SmartVu™ Controls Version 2.X for Light Commercial and Applied Rooftop Gas Heat/Electric Cooling and Electric Heat/Electric Cooling Units with PIC 6.0 Hardware

Integration Guide

IMPORTANT: This literature covers Gas Heat/Electric Cooling and Electric Heat/Electric Cooling Units for Light Commercial and Applied Rooftop applications with SmartVu controls version 2.X (factory-installed option).

CONTENTS

INTRODUCTION

General

The Carrier SmartVu™ control system is a product integrated control for select Carrier rooftop units, including:

- Carrier 48/50LC*H light commercial high outdoor air units with Puron® (R-410A) refrigerant.
- Carrier 48/50V2,3,4,5 applied rooftop units with Puron (R-410A) refrigerant.

This document provides instruction on integrating Carrier SmartVu™ controls with PIC 6.0 hardware into the following building automation system (BAS) protocols:

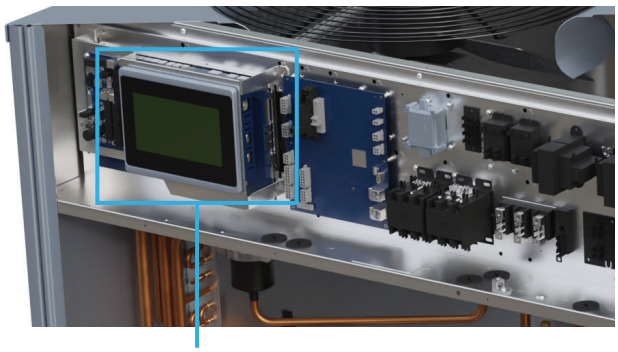
- Carrier Comfort Network (CCN).
- BACnet[1] MS/TP.
- BACnet IP (internet protocol).

Wiring

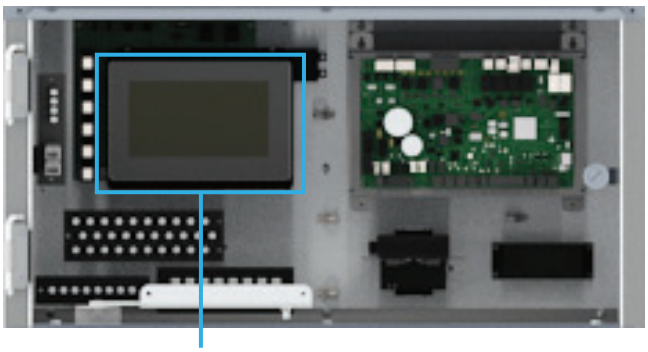
Communication wiring is field provided and installed. Communication wiring connections are made in the unit control box. The unit control box location varies by unit model and size. Refer to the unit installation instructions for control box location and wiring access details.

Most communication wiring connections are made at the SmartVu touchscreen display in the control box. See Fig. 1 for SmartVu touchscreen display locations, Fig. 2 for port layout, and Table 1 for port details.

1. Third-party trademarks and logos are the property of their respective owners.



48/50LC*H
SmartVu™ Touchscreen Display



48/50V
SmartVu™ Touchscreen Display

Fig. 1 — SmartVu™ Display Locations

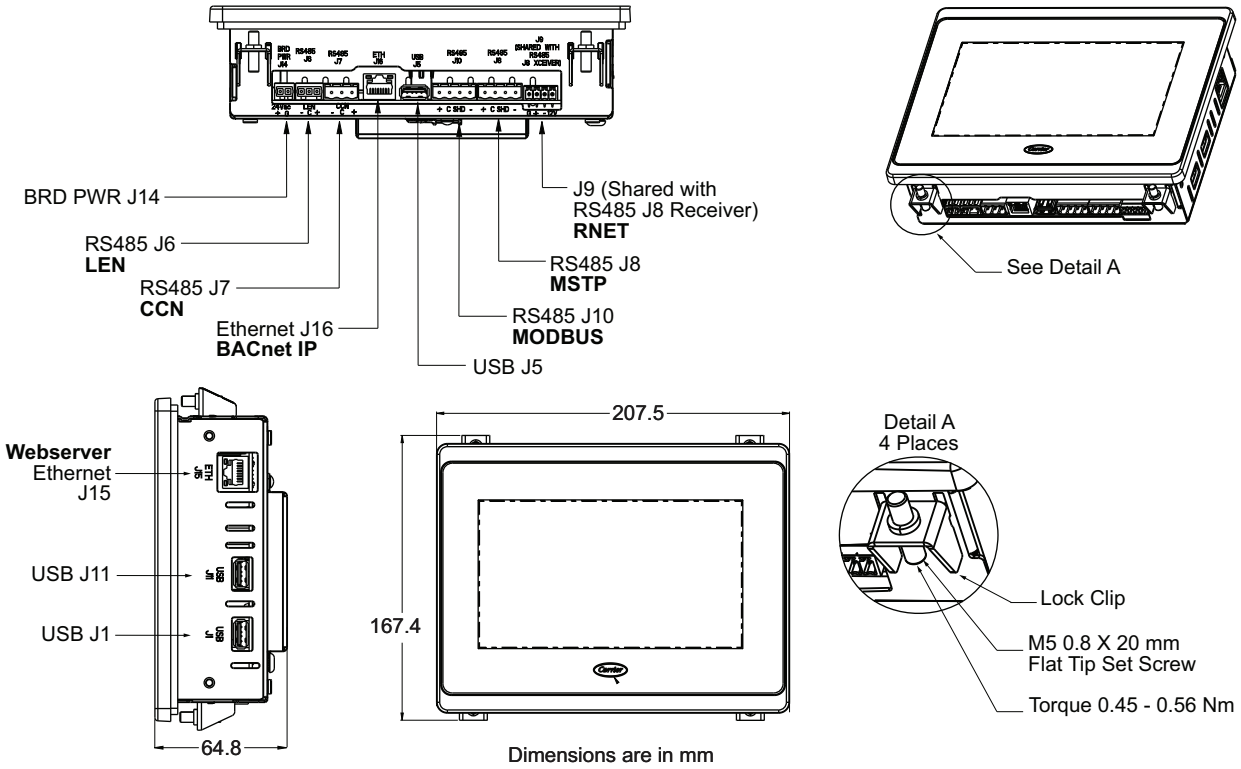


Fig. 2 — Carrier SmartVu™ Touchscreen Display Interface and Connections

Table 1 — SmartVu Display Port Connections

CONNECTOR	TYPE/ PINOUT	FUNCTION
J1	TYPE A	USB-3: Firmware/Software Upgrade
J5	TYPE A	USB-1: Firmware/Software Upgrade
J6	+	RS485-1: LEN System Internal I/O Boards
	C	
	-	
J7	+	RS485-2: CCN
	C	
	-	
J8	-	RS485-4: BMS Interface, BACnet
	SHD	
	C	
	+	
J9	12V	Future use
	-	
	+	
	G	
J10	-	RS485-3: Not used
	SHD	
	C	
	+	
J11	TYPE A	USB-2: Firmware/Software Upgrade
J14	G	24vac Power
	+	
J15	RJ45	Ethernet 0 Service Tool, BMS Interface, BACnet, WAN (connectivity)
J16	RJ45	Ethernet 1 WAN (connectivity)

Signal Noise

Avoid running communication wires next to power wires or the controller's relay output wires. Other sources of noise can include:

- Spark igniters
- Radio transmitters
- Variable speed drives
- Large electric motors
- Generators
- Relays
- Transformers
- Induction heaters
- Large contactors (i.e., motor starters)
- Video display devices
- Lamp dimmers
- Fluorescent lights
- Parallel runs with power lines
- Other electronic devices

These can be sources of noise that can affect signal quality. If noise is a problem and you cannot move the wiring, use ferrite clamp-on chokes on the cabling to improve signal quality.

Control Interface

Configuring the SmartVu control for network communication can be done from the touchscreen display or web user interface. Refer to the unit installation instruction (SI) for details on control operation, navigation, and web UI configuration.

Communication configuration is done from the Controller Config Menu.

Control Password

User access level or higher is required to configure the control for communications. See the Table 2 for the SmartVu passwords. Refer to the unit installation instruction (SI) for details on login.

NOTE: The Controller Config screen required for communication configuration is hidden with basic access. Login with user access or higher is required to show the Controller Config screen.

Table 2 — Control Access Levels

ACCESS LEVEL	PASSWORD	DESCRIPTION
Basic	None	Access level at initial start-up or after a timeout has expired. Provides view only access to select setpoints and settings. Not all screens will be viewable. Basic access can disable the unit.
User	1111	Intermediate access to adjust setpoints and settings and access most screens. User can enable/disable the unit, enable component and system tests, and acknowledge alarms.
Service	The service password is not required for communication configuration. Contact your local Carrier Service or Applied Sales office if the service password is required.	

Communication Configuration Report

Once communication configuration is complete, fill out Appendix C – Network Communication Report and Appendix D – Unit Communication Report to record the unit communication configurations. A copy of the communication reports should be saved for record and a copy provided to the customer. It is also a good practice to save a copy of the unit communication report in the unit control box.

CARRIER COMFORT NETWORK (CCN)

Communication Wiring

All units with SmartVu controls can be connected to a CCN communication bus. See Table 3 for CCN wire specification.

Table 3 — CCN Wiring Specification

DESCRIPTION	Shielded, 3 conductor cable with drain wire, CM or CMP rated (as needed)
CONDUCTOR	Minimum 20 AWG, stranded copper (tin plated)
INSULATION	PVC (polyvinyl chloride), PVC/nylon, vinyl, Teflon[a], or polyethylene
COLOR CODE	Red/White/Black
SHIELDING	Aluminum/polyester 100% foil shield
JACKET	PVC (polyvinyl chloride), PVC/nylon, vinyl, Teflon, or polyethylene
TEMPERATURE	–4°F to 140°F (–20°C to 60°C) or higher, if required by application
VOLTAGE	Cable voltage must match the application

NOTE(S):

a. Third-party trademarks and logos are the property of their respective owners.

For 48/50LC*H units, the CCN bus connection is made at the SmartVu touchscreen display at port J7. See Fig. 2 for SmartVu port layout and Table 1 for J7 port details.

For 48/50V units, the CCN bus connection is made at a terminal board with screw terminals next to the touchscreen display in the control box. See Fig. 3 for 48/50V CCN terminal location.

Fig. 3 — 48/50V CCN Terminal Location

CCN devices are connected to the communication bus in a daisy chain arrangement. The positive pin of each system element communication connector must be wired to the positive pins of the CCN devices on either side of it. The negative and signal ground pins of each system element must also be wired in the same manner. See Fig. 4 for a typical daisy chain CCN bus wiring arrangement.

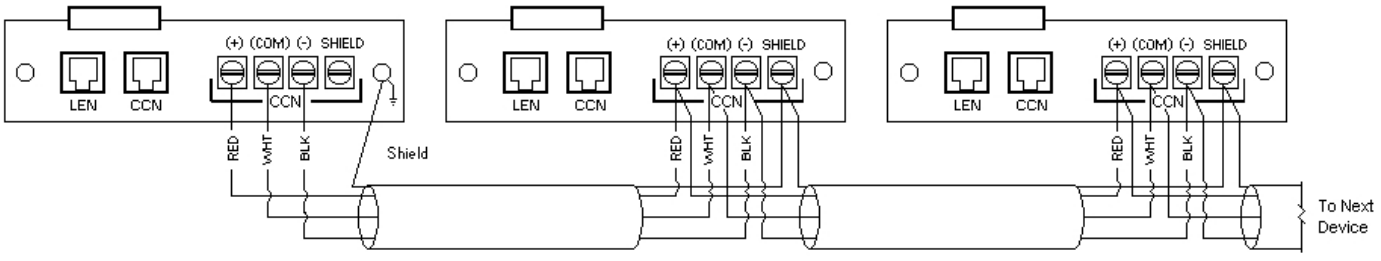


Fig. 4 — Typical CCN Bus Wiring

When connecting to a CCN communication bus, it is important that a color-coding scheme be used for the entire network to simplify the installation. It is recommended that red be used for the signal positive, black for the signal negative, and white for the signal ground. Use a similar scheme for cables containing different colored wires.

At each system element, the shields of its communication bus cables must be tied together. If the communication bus is entirely within one building, the resulting continuous shield must be connected to a ground at one point only. If the communication bus cable exits from one building and enters another, the shields must be connected to grounds at the lightning suppressor in each building where the cable enters or exits the building (one point per building only).

To connect the CCN wiring to the network:

1. Turn off power to the unit and unit controller.
2. Partially cut, then bend and pull off approximately 3 in. of the outer jacket of the cable(s). Do not nick the inner insulation.
3. Strip about 1/4 in. of the inner insulation from each wire.
4. For 48/50LC*H units, remove the plug from the J7 port.
5. Connect the red wire to (+) terminal, the white wire to COM terminal, and the black wire to the (–) terminal on the CCN terminal board (substitute appropriate colors for different colored cables) on the plug (48/50LC*H) or CCN terminal strip (48/50V).
6. Make sure that the wires are electrically isolated and make sure no more than 1/8-in. of the bare wire is exposed.
7. Connect the cable shield to the SHIELD terminal on the CCN terminal board or to a ground (if at the start or end of a bus or segment in a building. Twist both shields together if part of a daisy chain.

IMPORTANT: A shorted CCN bus cable will prevent some routines from running and may prevent the unit from starting. If abnormal conditions occur, disconnect the CCN bus. If conditions return to normal, check the CCN connector and cable. Run new cable if necessary. A short in one section of the bus can cause problems with all system elements on the bus.

Communication Configuration

CCN Communication configuration is done from the Controller Config screen, which will only show with user or higher access level. To access the Controller Config screen:

1. From the Home screen, press the login icon ( ) to access the Login screen.
2. Login with the user access password (1111).
3. Press the unlock button ( ) to accept the login and return to the Home screen.
4. From the Home screen, press the link for the Main Menu ( ).
5. From the Main Menu, press the Controller Config icon ( ) to go to the Controller Config screen.

   NOTE: If the controller config screen does not show, then login may have failed. Try login again.
6. From the Controller Config screen, press the CCN configuration icon ( ) to go to the CCN Configuration screen.
7. Adjust the CCN configuration as needed. See Table 4 for CCN configuration parameters.
8. Once configuration is complete, click on the save icon ( ) to save configuration changes.

   NOTE: A controller reboot may be required for some configuration changes to take effect.

Table 4 — CCN Communication Configurations

NAME	DESCRIPTION
Primary BAS Network	Selects the BAS communication protocol. Selectable between None, BACnet IP, CCN, and MS/TP. NOTE: This configuration must be set to CCN for CCN communication.
CCN Address	Selects the address of the device. NOTE: This address must be different from all other devices on the bus.
CCN Bus	Selects the network bus number.
Baud Rate	Selects the communication rate. Selectable between 9600, 19200, and 38400. NOTE: All devices on a bus should have the same baud rate.
Broadcast Alerts	When selected On, broadcasts the unit alerts and alarms to the CCN network.
Schedule Number	Selects the schedule number. NOTE: Global schedule broadcasters must have a schedule set between 65 and 99.
Global Schedule Broadcast	When selected On, the control broadcasts its schedule. NOTE: One, and only one, global schedule broadcaster is allowed per network. All other devices must have global schedule broadcast set to off.
Broadcast ACK	When selected On, the control acknowledges a time broadcast. NOTE: One, and only one, broadcast acknowledger is required per CCN bus. The time broadcaster cannot be the acknowledger.
Time Broadcast	When selected On, the control broadcast the unit time and date on the CCN bus once per minute. NOTE: Only one time broadcaster is allowed per bus.

Network Points

See Appendix A for 48/50LCH BACnet points, and select Multi-State Values.

See Appendix B for 48/50V CCN and BACnet points, and select Multi-State Values.

NOTE: Not all network points will be available for every unit. Point availability will vary by model, unit type, size, and configuration.

BACNET MS/TP

Communication Wiring

All units with SmartVu controls can be connected to a BACnet MS/TP bus. See Table 5 for BACnet MS/TP wire specification.

Table 5 — BACnet MS/TP Wiring Specification

DESCRIPTION	Single twisted pair, low capacitance, CL2P, 22 AWG (7x30), TC foam FEP, plenum rated cable
CONDUCTOR	22 or 24 AWG stranded copper (tin plated)
INSULATION	Foamed FEP
COLOR CODE	Black/White
SHIELDING	Aluminum/Mylar shield with 24 AWG TC drain wire
JACKET	**SmokeGard**[a] (SmokeGard PVC) • 0.021 in. (0.5334 mm) wall • 0.175 in. (4.445 mm) O.D. **Halar**[a] (E-CTFE) • 0.010 in. (0.254 mm) wall • 0.144 in. (3.6576 mm) O.D.
RATING	CMP rated
TEMPERATURE	SmokeGard: 167°F (75°C) Halar: –40 to 302°F (–40 to 150°C)
VOLTAGE	300 vac, power limited
MAXIMUM LENGTH	2000 ft (610 m)

NOTE(S):

a. Third-party trademarks and logos are the property of their respective owners.

The BACnet MS/TP bus connection is made at the SmartVu touchscreen display at port J8. See Fig. 2 for SmartVu port layout and Table 1 for J8 port details.

The BACnet MS/TP device are connected to the communication bus in a daisy chain arrangement. The positive pin of each system element communication connector must be wired to the positive pins of the system elements on either side of it. The negative and signal ground pins of each system element must also be wired in the same manner. Wiring connections for BACnet MS/TP should be made at the J8 plug on the SmartVu display. See Fig. 5 for typical daisy chain MS/TP bus wiring arrangement.

For networks with mixed biased devices, the SmartVu is locally biased. The recommendation is to not mix other network biasing with local biasing, and as such should not be used on a network segment with a SmartVu device. Use a TERM485 on the last device on the segment instead. The BT485 device contains both the "end-of-line" (EOL) resistor and a network biasing resistor.

In addition, many BACnet router EOL switches add network biasing, as well as EOL termination resistors. For devices with this characteristic, the EOL switch should NOT be used and a separate termination resistor (e.g., TERM485) should be used at the router when it is at the beginning or end of a network segment.

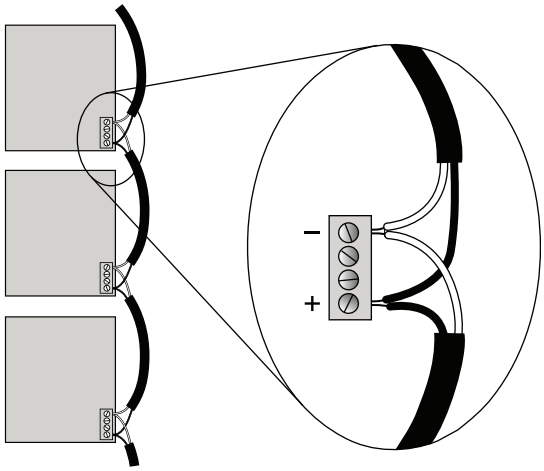


Fig. 5 — Typical BACnet MS/TP Bus Wiring

To connect the BACnet MS/TP wiring to the network:

1. Turn off power to the unit and unit controller.
2. Remove the plug from the J8 port on the touchscreen display.
3. Partially cut, then bend and pull off approximately 1 in.of the outer jacket of the cable(s). Do not nick the inner insulation.
4. Strip about 1/4 in. of the inner insulation from each wire.
5. Connect the white wire to (+) terminal and the black wire to the (–) terminal on the plug (substitute appropriate colors for different colored cables). Make sure that the wires are electrically isolated and make sure no more than 1/8 in. of the bare wire is exposed.
6. If the unit is the first or last node on the network, a termination resistor of 120 ohms should be wired across positive and negative terminals.
7. Connect the cable shield to the SHIELD terminal on the plug or to a ground (if at the start or end of a bus or segment in a building. Twist both shields together if part of a daisy chain. Do not connect the shield to the ground for the control power.
8. Re-insert the plug to the J8 port on the touchscreen display.

Communication Configuration

BACnet MS/TP Communication configuration is done from the Controller Config screen, which will only show with user or higher access level. To access the Controller Config screen:

1. From the Home screen, press the login icon ( ) to access the Login screen.
2. Login with the user access password (1111).
3. Press the unlock button ( ) to accept the login and return to the Home screen.
4. From the Home screen, press the link for the Main Menu ( ).
5. From the Main Menu, press the Controller Config icon ( ) to go to the Controller Config screen.

   NOTE: If the controller config screen doesn't show, then login may have failed. Try login again.
6. From the Controller Config screen, press the BACnet configuration icon ( ) to go to the BACnet Configuration screen.
7. Adjust the BACnet configuration as needed. See Table 6 for BACnet configuration parameters.
8. Once configuration is complete, click on the save icon ( ) to save configuration changes before leaving the screen.

   NOTE: A controller reboot may be required for some configuration changes to take effect.

Table 6 — BACnet MS/TP Communication Configurations

NAME	DESCRIPTION
Primary BAS Network	Primary BAS Sets the occupancy Schedule priority to either BACnet, CCN or a CCN Local schedule or NONE. The Schedule zero on the CCN screen makes the controller always occupied.
BACnet Enable	Selects the type of BACnet communication. Selectable between IP, MS/TP, and disable. NOTE: This configuration must be set at MS/TP for BACnet MS/TP.
Serial Port Config	Selects the configuration of the J8 port. Selectable between MS/TP, Modbus, and Rnet. Must be set to MS/TP for BACnet MS/TP communication. NOTE: Modbus BAS and Rnet communication is not supported by this version of SmartVu.
Metric Units	Selects the units type. Selectable between Off for imperial units and On for metric units.
Network	Selects the network or subnet of the device. NOTE: This network must match the local subnet of a router or the ethernet network. For MS/TP networks, this number MUST match the main network number.
MS/TP MAC Address	Assign the desired MAC address for your network segment. Each device on the segment must have a unique MAC address. Best practice is for MAC addresses to be sequential on a segment.
Identifier	Selects the address of the device. NOTE: This address must be different from all other devices on the local system or bus. For MS/TP networks, there is no need to alter this address after the MAC address has been assigned.
MS/TP baud rate	Assign desired baud rate for network. Maximum number of nodes per segment is determined by baud rate. 32 nodes are allowed on a 76,800 baud network and 16 nodes are allowed on a 38,400 baud network.
Max Masters	Recommended to be set at 127 on most networks.
MS/TP Max Info Frames	Recommended to be set no higher than 20.
Percentage Conversion	Selects the method of communicating percentages. Selectable between 0.00-1.00 for decimal or 0-100 for percentage.

Network Points

See Appendix A for 48/50LCH BACnet points, and select Multi-State Values.

See Appendix B for 48/50V CCN and BACnet points, and select Multi-State Values.

NOTE: Not all network points will be available for every unit. Point availability will vary by model, unit type, size, and configuration.

BACNET IP

Communication Wiring

All units with SmartVu controls can be connected to a BACnet IP bus. See Table 7 for BACnet IP wire specification.

Table 7 — BACnet IP Cable Specification

DESCRIPTION	CAT5e or higher Ethernet cable
RATING	CM or CMP rated, as required
MAXIMUM LENGTH	328 ft (100 m)

The BACnet IP cable connection is made at the SmartVu touchscreen display at Ethernet 0 (J15) or Ethernet 1 (J16). See Fig. 2 for SmartVu port layout and Table 1 for ethernet port details. The Ethernet cable can be plugged into the SmartVu control while the controller is powered. Ethernet pass through is not supported.

Communication Configuration

BACnet IP Communication configuration is done from the Controller Config screen, which will only show with user or higher access level. To access the Controller Config screen:

1. From the Home screen, press the login icon ( ) to access the Login screen.
2. Login with the user access password (1111).
3. Press the unlock button ( ) to accept the login and return to the Home screen.
4. From the Home screen, press the link for the Main Menu ( ).
5. From the Main Menu, press the Controller Config icon ( ) to go to the Controller Config screen.

   NOTE: If the controller config screen doesn't show, then login may have failed. Try login again.
6. From the Controller Config screen, press the Gateway/DNS icon ( ) to go to the Gateway/DNS IP configuration screen.
7. Adjust the Gateway and DNS configuration as needed. See Table 8 for Gateway/DNS IP configuration parameters.

   NOTE: Only Gateway IP 2 and DNS IP 2 are utilized.
8. Once configuration is complete, click on the dropdown that says Not Applied and select Applied to save configuration changes before leaving the screen.
9. Press the Back button twice ( ) to go back to the Controller Config screen.
10. From the Controller Config screen, press the ethernet configuration icon ( ) to go to the Ethernet Configuration screen.
11. Adjust the Ethernet configuration as needed. See Table 9 for Ethernet configuration parameters.
12. Once configuration is complete, click on the dropdown that says Not Applied and select Applied to save configuration changes before leaving the screen.
13. Press the Back button twice ( ) to go back to the Controller Config screen.
14. From the Controller Config screen, press the BACnet configuration icon ( ) to go to the BACnet Configuration screen.
15. Adjust the BACnet configuration as needed. See Table 10 for BACnet configuration parameters.
16. Once configuration is complete, click on the save icon ( ) to save configuration changes before leaving the screen.

    NOTE: After the IP configuration and selection for BACnet IP are made the PIC must be rebooted for the IP configurations to be applied. After a reboot, ping the controller. When you can ping the controller successfully and find the BACnet device or PIC at that IP, check to make sure the identity sent to a "Who is" command is the same. Otherwise, wait until the PIC is pinged and responds as a BACnet device as the assigned IP on either ethernet connector (it may be necessary to cycle the power). Proceed with BACnet discovery over that ethernet connector.

Table 8 — Gateway/DNS IP Configurations

NAME	DESCRIPTION
Gateway 2 IP	Selects the gateway IP address.
Gateway 2 Mask	Selects the gateway 2 subnet mask. The gateway setting can allow both ports to be pinged from one ethernet connector, but not from the other, when the same subnets are used for both eth0 and eth1.
DNS IP 2	Selects the domain name service IP address.

Table 9 — Ethernet IP Configurations

NAME	DESCRIPTION
Set IP	Selects the control IP address.
Set Net Mask	Selects the control subnet mask.

Table 10 — BACnet IP Communication Configurations

NAME	DESCRIPTION
Primary BAS Network	Selects the BAS communication protocol. NOTE: This configuration must be set to BACnet for BACnet IP communication
BACnet Enable	Selects the type of BACnet communication. Selectable between IP, MS/TP, and Disable. NOTE: This configuration must be set at BACnet IP for BACnet IP
Metric Units	Selects the units type. Selectable between Off for imperial units and On for metric units.
Percentage Conversion	Selects the method of communicating percentages. Selectable between 0.00-1.00 for decimal or 0-100 for percentage.
Ethernet Adapter	Selects which ethernet port to use for BACnet IP. Selectable between Ethernet 0 (right side if touchscreen) or Ethernet 1 (bottom of touchscreen).
UDP Port	Selects the user datagram protocol for BACnet. Default UDP port for BACnet is 47808.
BACnet Mgmt Device	Selects the BACnet management device. Selectable between None, Foreign Device, and BACnet Broadcast Management Device (BBMD)
BBMD Address	Selects the BBMD address.
BBMD Time to Live	Selects how long a device can stay registered (in seconds) with the BBMD.

Network Points

See Appendix A for 48/50LCH BACnet points, and select Multi-State Values.

See Appendix B for 48/50V CCN and BACnet points, and select Multi-State Values.

NOTE: Not all network points will be available for every unit. Point availability will vary by model, unit type, size, and configuration.

APPENDIX A — BACNET POINTS FOR 48/50LC*H

BACnet Point List — PIC 6.0, Version 2.5 and Higher

OBJECT NAME	TYPE	INSTANCE	OPTION	POINT ACCESS	DESCRIPTION
AIRPRESS_RAP	AV	1	Type 6	RO	Return Air Pressure
AIRPRESS_SDP	AV	2	Type 6	RO	Supply Pressure (SP)
AIRPRESS_BP	AV	3	Type 6	RO	Building Pressure (BP)
AIRTEMP_SAT	AV	4	Type 6	RO	Supply Air Temp (SAT)
AIRTEMP_SATO	AV	5	Type 6	RO	Supply Air Temp Offset
AIRTEMP_RAT	AV	6	Type 6	RO	Return Air Temp (RAT)
AIRTEMP_SPT	AV	7	Type 6	RO	Space Temp (SPT)
AIRTEMP_SPTO	AV	8	Type 6	RO	Space Temp Offset
AIRTEMP_OAT	AV	9	Type 6	RO	Outside Air Temp (OAT)
AIRTEMP_MAT	AV	10	Type 6	RO	Mixed Air Temp (MAT)
AIRTEMP_EAT	AV	11	Type 6	RO	Exhaust Air Temp (EAT)
AIRTEMP_LST	AV	12	Type 6	RO	Staged Gas Limit Temp
AIRTEMP_LAT	AV	13	Type 6	RO	Staged Gas LAT
AIRTEMP_EFF_CP	AV	14	Type 6	RO	Effective Control Point
AIRTEMP_DXLAT	AV	15	Type 6	RO	Direct Expansion LAT
ALERTCFG_SPRHHL	AV	16	Type 6	RW	SPRH High Limit
ALERTCFG_SPRHLL	AV	17	Type 6	RW	SPRH Low Limit
ALERTCFG_SPTLLMTO	AV	18	Type 6	RW	SPT Low Occu Limit
ALERTCFG_SPTHLMTO	AV	19	Type 6	RW	SPT High Occu Limit
ALERTCFG_SPTLLMTU	AV	20	Type 6	RW	SPT Low Unoc Limit
ALERTCFG_SPTHLMTU	AV	21	Type 6	RW	SPT High Unoc Limit
ALERTCFG_SATLLMTO	AV	22	Type 6	RW	SAT Low Occu Limit
ALERTCFG_SATHLMTO	AV	23	Type 6	RW	SAT High Occu Limit
ALERTCFG_SATLLMTU	AV	24	Type 6	RW	SAT Low Unoc Limit
ALERTCFG_SATHLMTU	AV	25	Type 6	RW	SAT High Unoc Limit
ALERTCFG_RATLLMTO	AV	26	Type 6	RW	RAT Low Occu Limit
ALERTCFG_RATHLMTO	AV	27	Type 6	RW	RAT High Occu Limit
ALERTCFG_RATHLMTU	AV	28	Type 6	RW	RAT High Unoc Limit
ALERTCFG_RATLLMTU	AV	29	Type 6	RW	RAT Low Unoc Limit
ALERTCFG_RARH_LT	AV	30	Type 6	RW	RARH Low Limit
ALERTCFG_RARH_HT	AV	31	Type 6	RW	RARH High Limit
ALERTCFG_SP_LLMT	AV	32	Type 6	RW	SP Low Limit
ALERTCFG_SP_HLMT	AV	33	Type 6	RW	SP High Limit
ALERTCFG_BP_LLMT	AV	34	Type 6	RW	BP Low Limit
ALERTCFG_BP_HLMT	AV	35	Type 6	RW	BP High Limit
ALERTCFG_SAT_LTMP	AV	36	Type 6	RW	SAT Low Limit
ALERTCFG_SAT_HTMP	AV	37	Type 6	RW	SAT High Limit
ALERTCFG_OAT_LLMT	AV	38	Type 6	RW	OAT Low Limit
ALERTCFG_OAT_HLMT	AV	39	Type 6	RW	OAT High Limit
ALERTCFG_IAQ_HLMT	AV	40	Type 6	RW	IAQ High Limit
ALERTCFG_MAINFLT	AV	41	Type 6	RW	Pre-Filter Change Time
GENUNIT_PREFLTR_SRC	AV	42	Type 6	RW	Pre-Filter Source
GENUNIT_PREFLTR_LIM	AV	43	Type 6	RW	Pre-Filter Press Limit
ALERTCFG2_ERV_ALRT	AV	45	Type 6	RW	ERV Frost Alert Limit
UNITCFG_PG_SP_DB	AV	46	Type 6	RW	Prognostics SP Deadband
UNITCFG_PG_BP_DB	AV	47	Type 6	RW	Prognostics BP Deadband
ALERTCFG_HIGH_SST	AV	48	Type 6	RW	High SST Time
ALERTCFG_MINSUCA	AV	49	Type 6	RW	Min Suc Chg Cir A
ALERTCFG_MINDISA	AV	50	Type 6	RW	Min Disc Chg Cir A
ALERTCFG_MINSUCB	AV	51	Type 6	RW	Min Suc Chg Cir B
ALERTCFG_MINDISB	AV	52	Type 6	RW	Min Disc Chg Cir B
ALERTCFG_OFF_PRES	AV	53	Type 6	RW	Off Press Ratio
ALERTCFG_CMPCMD_T	AV	54	Type 6	RW	Compressor Cmd Time
ALERTCFG_OCFMSENS	AV	55	Type 6	RW	Outdoor Air CFM
ALERTCFG_ECMINCFM	AV	56	Type 6	RW	OAD Min CFM
OADCFG_FLTGAP	AV	57	Type 6	RW	OAD Fault Detect Gap
OADCFG_FLTTIME	AV	58	Type 6	RW	OAD Fault Detect Time
ALERTCFG_POSTFL	AV	59	Type 6	RW	Final Filter Reminder
ALERTCFG_CP_C_TH	AV	60	Type 6	RW	Comp Cycling Threshold
ALERTCFG_LSST4T	AV	61	Type 6	RW	Low SST 4Min Threshold

APPENDIX A — BACNET POINTS FOR 48/50LC*H (cont)

BACnet Point List — PIC 6.0, Version 2.5 and Higher (cont)

OBJECT NAME	TYPE	INSTANCE	OPTION	POINT ACCESS	DESCRIPTION
ALERTCFG_LSST2T	AV	62	Type 6	RW	Low SST 2Min Threshold
ALERTCFG_LSST1T	AV	63	Type 6	RW	Low SST 1Min Threshold
ALERTCFG_LSST20sT	AV	64	Type 6	RW	Low SST 20Sec Threshold
ALERTCFG_SSHALOW	AV	65	Type 6	RW	Low SSH A Alert
ALERTCFG_SSHAPLLO	AV	66	Type 6	RW	Low SSH A Part Load Alrt
ALERTCFG_SSHAFLLO	AV	67	Type 6	RW	Low SSH A Full Load Alrt
ALERTCFG_SSHBLOW	AV	68	Type 6	RW	Low SSH B Alert
ALERTCFG_SSHBPLLO	AV	69	Type 6	RW	Low SSH B Part Load Alrt
ALERTCFG_SSHBFLLO	AV	70	Type 6	RW	Low SSH B Full Load Alrt
ALERTCFG_LSSHTIME	AV	71	Type 6	RW	Low SSH Alert Time
ALERTCFG_LPRL	AV	72	Type 6	RW	Low Press Ratio Limit
LPRTIME	AV	73	Type 6	RW	Low Pressure Ratio Time
ALERTCFG_COFS_ACT	AV	74	Type 6	RW	COFS Action
ALERTCFG_COFS_TRP	AV	75	Type 6	RW	COFS Trips
ALERTCFG_COFS_TME	AV	76	Type 6	RW	COFS Time
ALERTCFG_OARADIFF	AV	77	Type 6	RW	T24 OA RA diff
ALERTCFG_SATMOVE	AV	78	Type 6	RW	T24 SAT Move Chk
ALERTCFG_SATCHNGE	AV	79	Type 6	RW	T24 Sat Change
ALERTCFG_MOVEDTEC	AV	80	Type 6	RW	T24 Move Detect
ALERTCFG_SASETTLE	AV	81	Type 6	RW	T24 SAT Settle
ALERTCFG_T24ECMIN	AV	82	Type 6	RW	T24 Econ Min Pos
ALERTCFG_T24ECMAX	AV	83	Type 6	RW	T24 Econ Max Pos
ALERTCFG_HCDELAY	AV	84	Type 6	RW	T24 Heat-Cool Delay
EFCFG_RAP_TH	AV	85	Type 6	RW	Ret Air Press Threshold
ALERTCFG_MSDPT	AV	86	Type 6	RW	Static Duct Press Limit
CMPSTKTM	AV	87	Type 6	RW	Compressor Stuck On Time
CMPFLRTM	AV	88	Type 6	RW	Compressor Failure Timer
HEATSINK_HSCTRLOF	AV	89	Type 6	RW	Heat Sink Ctrl Offset
HEATSINK_HSHTMPDB	AV	90	Type 6	RW	High Heat Sink Temp DB
HEATSINK_HSHTEMP	AV	91	Type 6	RW	High Heat Sink Temp
ANALGOUT_DAMPCMD	AV	92	Type 6	RO	OAD Command
ANALGOUT_DAMPCMD2	AV	93	Type 6	RO	RAD Cmd
ANALGOUT_HEATCMD	AV	94	Type 6	RO	Actual heat command
ANALGOUT_HMV	AV	95	Type 6	RO	HGRH Command
ANALGOUT_HMV2	AV	96	Type 6	RO	HGRH 2 Command
ANALGOUT_EFCMD	AV	97	Type 6	RO	Exhaust Fan Cmd
ANALGOUT_ERV_OAF	AV	98	Type 6	RO	ERV Outdoor Air Fan
ANALGOUT_CMPA1CMD	AV	99	Type 6	RO	Comp A1 Command
ANALGOUT_CMPA2CMD	AV	100	Type 6	RO	Comp A2 Command
ANALGOUT_CMPB1CMD	AV	101	Type 6	RO	Comp B1 Command
ANALGOUT_CMPB2CMD	AV	102	Type 6	RO	Comp B2 Command
ANALGOUT_IDFCMD	AV	103	Type 6	RO	IDF1 Control Command
ANALGOUT_ODF1CMD	AV	104	Type 6	RO	CF 1 Command
ANALGOUT_ODF2CMD	AV	105	Type 6	RO	CF 2 Command
ANALGOUT_ODF3CMD	AV	106	Type 6	RO	CF 3 Command
ANALGOUT_EXVA1CMD	AV	107	Type 6	RO	EXV A1 Cmd
ANALGOUT_EXVA2CMD	AV	108	Type 6	RO	EXV A2 Cmd
ANALGOUT_EXVB1CMD	AV	109	Type 6	RO	EXV B1 Cmd
ANALGOUT_EXVB2CMD	AV	110	Type 6	RO	EXV B2 Cmd
ANALOGIN_OACFM	AV	111	Type 6	RO	Outdoor Air CFM
ANALOGIN_OACFMRST	AV	112	Type 6	RO	Outdoor Air CFM Reset
ANALOGIN_OD3P_CMD	AV	113	Type 6	RO	OAD 3rd Party Modulation
ANALOGIN_EF3P_CMD	AV	114	Type 6	RO	EXF 3rd Party Modulation
ANALOGIN_SF3P_CMD	AV	115	Type 6	RO	IDF 3rd Party Modulation
ANALOGIN_IAQOPRST	AV	116	Type 6	RO	IAQ OAD Pos Reset
ANALOGIN_IAQ	AV	117	Type 6	RO	Indoor Air Quality
ANALOGIN_OAQ	AV	118	Type 6	RO	Outdoor Air Quality
ANALOGIN_OARH	AV	119	Type 6	RO	Outdoor Air RH (OARH)
AIRTEMP_OADP	AV	120	Type 6	RO	Outside Air Dew Point
ANALOGIN_RARH	AV	121	Type 6	RO	Return Air RH (RARH)
ANALOGIN_SARH	AV	122	Type 6	RO	Supply Air RH (SARH)

APPENDIX A — BACNET POINTS FOR 48/50LC*H (cont)

BACnet Point List — PIC 6.0, Version 2.5 and Higher (cont)

OBJECT NAME	TYPE	INSTANCE	OPTION	POINT ACCESS	DESCRIPTION
AIRTEMP_SADP	AV	123	Type 6	RO	Supply Air Dew Point
ANALOGIN_SPRH	AV	124	Type 6	RO	Space RH (SPRH)
ANALOGIN_MARH	AV	125	Type 6	RO	Mixed Air RH (MARH)
ANALOGIN_ZDP	AV	126	Type 6	RO	Zone Damper Position
ANALOGIN_DAMPPOS	AV	127	Type 6	RO	OAD Feedback
ANALOGIN_DAMPPOS2	AV	128	Type 6	RO	RAD Feedback
ANALOGIN_HMD	AV	129	Type 6	RO	HGRH Valve Feedback
ANALOGIN_HMD2	AV	130	Type 6	RO	HGRH Valve 2 Feedback
ANALOGIN_CMPA1SPD	AV	131	Type 6	RO	Comp A1 Speed
ANALOGIN_CMPA2SPD	AV	132	Type 6	RO	Comp A2 Speed
ANALOGIN_CMPB1SPD	AV	133	Type 6	RO	Comp B1 Speed
ANALOGIN_CMPB2SPD	AV	134	Type 6	RO	Comp B2 Speed
ANALOGIN_ODF1SPD	AV	135	Type 6	RO	CF 1 Speed
ANALOGIN_ODF2SPD	AV	136	Type 6	RO	CF 2 Speed
ANALOGIN_ODF3SPD	AV	137	Type 6	RO	CF 3 Speed
ANALOGIN_IDFSPD	AV	138	Type 6	RO	IDF Speed
ANALOGIN_IDFRPM	AV	139	Type 6	RO	IDF Speed RPM
ANALOGIN_EFSPD	AV	140	Type 6	RO	Exhaust Fan Speed
ANALOGIN_EXV_A1	AV	141	Type 6	RO	EXV A1
ANALOGIN_EXV_A2	AV	142	Type 6	RO	EXV A2
ANALOGIN_EXV_B1	AV	143	Type 6	RO	EXV B1
ANALOGIN_EXV_B2	AV	144	Type 6	RO	EXV B2
ANALOGIN_SPSR	AV	145	Type 6	RO	Static Pressure Stpt Rst
ANALOGIN_DLC	AV	146	Type 6	RO	Demand Limit Control
ANALOGIN_PFPD	AV	147	Type 6	RO	Pre Filt Press Drop
ANALOGIN_FFPD	AV	148	Type 6	RO	Final Filt Press Drop
ANALOGIN_OA_ENTH	AV	149	Type 6	RO	Outdoor Air Enthalpy
ANALOGIN_RA_ENTH	AV	150	Type 6	RO	Return Air Enthalpy
EMPTY_NOPOINT	AV	151	Type 6	RO	Menu is empty
COMMADDR_AUX1	AV	152	Type 6	RO	AUX
COMMADDR_NGC1	AV	153	Type 6	RO	NGC IOB 1
COMMADDR_PD4_EXV1	AV	154	Type 6	RO	PD4 EXV
COMMADDR_SIOB1	AV	155	Type 6	RO	SIOB 1
COMMADDR_SIOB2	AV	156	Type 6	RO	SIOB 2
COMMADDR_SIOB3	AV	157	Type 6	RO	SIOB 3
COMMADDR_SYSTEMVU	AV	158	Type 6	RO	ZIOB
COMMADDR_COMP_A1	AV	159	Type 6	RO	Compressor A1
COMMADDR_IDF_1	AV	160	Type 6	RO	Supply Fan 1
COMMADDR_IDF_2	AV	161	Type 6	RO	Supply Fan 2
COMMADDR_IDF_3	AV	162	Type 6	RO	Supply Fan 3
COMMADDR_IDF_4	AV	163	Type 6	RO	Supply Fan 4
COMMADDR_IDF_5	AV	164	Type 6	RO	Supply Fan 5
COMMADDR_IDF_6	AV	165	Type 6	RO	Supply Fan 6
COMMADDR_ODF_1	AV	166	Type 6	RO	ODF 1
COMMADDR_ODF_2	AV	167	Type 6	RO	ODF 2
COMMADDR_ODF_3	AV	168	Type 6	RO	ODF 3
COMMADDR_RF_1	AV	169	Type 6	RO	Return Fan 1
COMMADDR_RF_2	AV	170	Type 6	RO	Return Fan 2
COMMADDR_PWREXH_1	AV	171	Type 6	RO	Power Exhaust 1
COMMADDR_PWREXH_2	AV	172	Type 6	RO	Power Exhaust 2
LEN_status	AV	173	Type 6	RO	LEN SCAN Status
LEN_nb_message_10s	AV	174	Type 6	RO	Nbr of messges in 10 s
LEN_nb_nb_arh_busy_10s	AV	175	Type 6	RO	Nbr of ARH busy in 10 s
LEN_total_nb_arh_busy	AV	176	Type 6	RO	Number of ARH busy
LEN_total_nb_message	AV	177	Type 6	RO	Number of Message
LEN_total_nb_nack	AV	178	Type 6	RO	Number of NACK
LEN_total_nb_no_resp	AV	179	Type 6	RO	Number of no response
MODSCAN_status	AV	180	Type 6	RO	Modbus SCAN Status
MODSCAN_nb_message_10s	AV	181	Type 6	RO	Nbr of messges in 10 s
MODSCAN_total_nb_message	AV	182	Type 6	RO	Nbr of Messages
MODSCAN_total_nb_nack	AV	183	Type 6	RO	Number of NACK

APPENDIX A — BACNET POINTS FOR 48/50LC*H (cont)

BACnet Point List — PIC 6.0, Version 2.5 and Higher (cont)

OBJECT NAME	TYPE	INSTANCE	OPTION	POINT ACCESS	DESCRIPTION
MODSCAN_total_nb_no_resp	AV	184	Type 6	RO	Number of no response
MODSCAN_total_nb_rtry_fl	AV	185	Type 6	RO	Number of retry fails
COOLCFG_DEMAND	AV	186	Type 6	RW	Cool/Heat Demand Source
COOLCFG_SPLYDB	AV	187	Type 6	RW	Vent Deadband
COOLCFG_TPCTLRST	AV	188	Type 6	RW	SAT Reset Source
COOLCFG_RSTRTIO	AV	189	Type 6	RW	SAT Reset Ratio
COOLCFG_RSTLMIT	AV	190	Type 6	RW	SAT Reset Limit
COOLCFG_CLTREND	AV	191	Type 6	RW	Cool Trend Level
COOLCFG_CLTNDTM	AV	192	Type 6	RW	Cool Trend Time
COOLCFG_GAP_CLHT	AV	193	Type 6	RW	Cool Heat Gap Config
SERVICE_TCSTCOOL	AV	194	Type 6	RW	TC Start Cool Factor
COOLSTP_CLSP_OCC	AV	195	Type 6	RW	Occupied Cooling
COOLSTP_CLSP_UNO	AV	196	Type 6	RW	Unoccupied Cooling
COOLSTP_SALOCLSP	AV	197	Type 6	RW	Lo Cool SAT
COOLSTP_SAHICLSP	AV	198	Type 6	RW	Hi Cool SAT
COOLSTP_HODALCL	AV	199	Type 6	RW	100% OA Low Cool SAT
COOLSTP_HODAHCL	AV	200	Type 6	RW	100% OA High Cool SAT
COOLCFG_DOLOCLON	AV	201	Type 6	RW	Lo Cool On DB
COOLCFG_DOLOCLOF	AV	202	Type 6	RW	Lo Cool Off DB
COOLCFG_DOHICLON	AV	203	Type 6	RW	Hi Cool On DB
COOLSTP_VAVCLSP	AV	204	Type 6	RW	VAV Cooling SAT
COOLCFG_DOVAVCON	AV	205	Type 6	RW	VAV Cool On DB
COOLCFG_DOVAVCOF	AV	206	Type 6	RW	VAV Cool Off DB
COOLSTP_SPLYAVSP	AV	207	Type 6	RW	Vent SAT
DHUMCFG_DMD_SRC	AV	208	Type 6	RW	Dehum Demand Source
DHUMCFG_DHMATLCK	AV	209	Type 6	RW	High MT Dehum Lockout
DHUMCFG_RHTOPTME	AV	210	Type 6	RW	HGRH Coil Open Time
DHUMCFG_RHTCLTME	AV	211	Type 6	RW	HGRH Coil Closed Time
DHUMCFG_CCBYPTME	AV	212	Type 6	RW	Con Coil Bypass Time
DHUMCFG_CCPRGPOS	AV	213	Type 6	RW	Cond Coil Purge Pos
DHUMCFG_CCPRGTME	AV	214	Type 6	RW	Cond Coil Purge Time
DHUMSTP_DHUMRHSP	AV	215	Type 6	RW	Dehum RH
DHUMCFG_RLOS_ON	AV	216	Type 6	RW	Dehum RH On DB
DHUMCFG_RLOS_OFF	AV	217	Type 6	RW	Dehum RH Off DB
DHUMSTP_CCTSTP	AV	218	Type 6	RW	Dehum CCT
DISCOUT_POWEXH1	AV	219	Type 6	RO	Power Exhaust Enable
DMDLMCFG_DMDLMSRC	AV	220	Type 6	RW	Demand Limit Source
DMDLMCFG_AICLSEL	AV	221	Type 6	RW	Analog Limit Mode
DMDLMCFG_CAPLMSRC	AV	222	Type 6	RW	Capacity Limit Source
COOLSTP_CLCAPSTP	AV	223	Type 6	RW	Max Cool Capacity
COOLSTP_CAPLIMS1	AV	224	Type 6	RW	Cool Capacity Limit S1
COOLSTP_CAPLIMS2	AV	225	Type 6	RW	Cool Capacity Limit S2
COOLSTP_DMDLIMS1	AV	226	Type 6	RW	Cool Demand Limit S1
COOLSTP_DMDLIMS2	AV	227	Type 6	RW	Cool Demand Limit S2
HEATSTP_HTCAPSTP	AV	228	Type 6	RW	Max Heat Capacity
HEATSTP_CAPLIMS1	AV	229	Type 6	RW	Heat Capacity Limit S1
HEATSTP_CAPLIMS2	AV	230	Type 6	RW	Heat Capacity Limit S2
HEATSTP_DMDLIMS1	AV	231	Type 6	RW	Heat Demand Limit S1
HEATSTP_DMDLIMS2	AV	232	Type 6	RW	Heat Demand Limit S2
COOLSTP_DMDRSTCL	AV	233	Type 6	RW	Dmd Reset Cool Adjust
HEATSTP_DMDRSTHT	AV	234	Type 6	RW	Dmd Reset Heat Adjust
EFCFG_CONTROL	AV	235	Type 6	RW	EXF Control Config
EFCFG_MINSPD	AV	236	Type 6	RW	EXF Min Speed
EFCFG_MAXSPD	AV	237	Type 6	RW	EXF Max Speed
EFCFG_SPEED1	AV	238	Type 6	RW	EXF Speed OAD Pos 1
EFCFG_SPEED2	AV	239	Type 6	RW	EXF Speed OAD Pos 2
EFCFG_DAMPPOS1	AV	240	Type 6	RW	EXF OAD Pos 1
EFCFG_DAMPPOS2	AV	241	Type 6	RW	EXF OAD Pos 2
EFCFG_PEOAD1	AV	242	Type 6	RW	EXF OAD Position 1
EFCFG_PEOAD2	AV	243	Type 6	RW	EXF OAD Position 2
EFCFG_PEOAD3	AV	244	Type 6	RW	EXF OAD Position 3

BACnet Point List — PIC 6.0, Version 2.5 and Higher (cont)

OBJECT NAME	TYPE	INSTANCE	OPTION	POINT ACCESS	DESCRIPTION
EFCFG_PEOAD4	AV	245	Type 6	RW	EXF OAD Position 4
EFCFG_PEOAD5	AV	246	Type 6	RW	EXF OAD Position 5
EFCFG_PEOAD6	AV	247	Type 6	RW	EXF OAD Position 6
EFCFG_EXFPURGE	AV	248	Type 6	RW	EXF Smoke Purge Speed
EFCFG_EXFEVAC	AV	249	Type 6	RW	EXF Evacuation Speed
EFSTP_EFBPSPT	AV	250	Type 6	RW	Building Pressure
EMAILCFG_Send	AV	251	Type 6	RW	Send Email option
EMAILCFG_portNbr	AV	252	Type 6	RW	Port Number
EMAILCFG_srvTim	AV	253	Type 6	RW	Server Timeout
EMAILCFG_attach_blackbox	AV	254	Type 6	RW	Attach Blackbox Log
EQUIPCFG_RESWEN	AV	255	Type 6	RW	Remote Input
EQUIPCFG_AUXRELAY	AV	256	Type 6	RW	Aux Relay
EQUIPCFG_SIO1AI10	AV	257	Type 6	RW	IAQ/OAD Input Config
OCCSTNDT	AV	258	Type 6	RW	Occupied Standby Time
UNITCFG_OCC_OT	AV	259	Type 6	RW	Occupancy Override Time
ERVCFG_CHKTYPE	AV	260	Type 6	RW	ERV Check Type
ERVCFG_TMPTOL	AV	261	Type 6	RW	ERV Temp Tolerance
ERVCFG_ENTTOL	AV	262	Type 6	RW	ERV Enthalpy Tolerance
ERVCFG_MAXBYPOP	AV	263	Type 6	RW	ERV Fan Max Bypass Open
ERVCFG_MAXBYPCL	AV	264	Type 6	RW	ERV Fan Max Bypass Close
ERVCFG_ERVMINPS	AV	265	Type 6	RW	ERV Fan Damper Min Pos
ERVCFG_WHMINPOS	AV	266	Type 6	RW	ERV Wheel-Minimum Pos
ERVCFG_ERVEFMIN	AV	267	Type 6	RW	ERV Wheel Exh Min Speed
ERVCFG_OFFTMPDB	AV	268	Type 6	RW	ERV Off Temp DB
ERVCFG_OFFENTDB	AV	269	Type 6	RW	ERV Off Enthalpy DB
EXVSTP_SupHtA1	AV	270	Type 6	RW	A1 Superheat Setpoint
EXVSTP_SupHtA2	AV	271	Type 6	RW	A2 Superheat Setpoint
EXVSTP_SupHtB1	AV	272	Type 6	RW	B1 Superheat Setpoint
EXVSTP_SupHtB2	AV	273	Type 6	RW	B2 Superheat Setpoint
EXVSTP_EXVSTA1	AV	274	Type 6	RW	A1 Start Pos
EXVSTP_EXVSTA2	AV	275	Type 6	RW	A2 Start Pos
EXVSTP_EXVSTB1	AV	276	Type 6	RW	B1 Start Pos
EXVSTP_EXVSTB2	AV	277	Type 6	RW	B2 Start Pos
FRECLCFG_CHNGSEL	AV	278	Type 6	RW	Changeover Select
FRECLCFG_DIFFENTH	AV	279	Type 6	RW	Diff Enthalpy Threshold
FRECLCFG_DRYBLBTH	AV	280	Type 6	RW	OAT Dry Bulb Threshold
FRECLCFG_DEWLIMTH	AV	281	Type 6	RW	OADP Threshold
FRECLCFG_DIFFDBTH	AV	282	Type 6	RW	Diff Dry Bulb Threshold
FRECLCFG_IAQOADRS	AV	283	Type 6	RW	IAQ Switch OAD Pos Reset
HCSTATUS_HEATREQ	AV	284	Type 6	RO	Heat Request from UI
HCSTATUS_SATCTLPT	AV	285	Type 6	RO	Supply Air Temp Cntrl Pt
HCSTATUS_CAPACT	AV	286	Type 6	RO	Cooling Capacity
IDFSTP_ZPSETPT	AV	287	Type 6	RO	Zone Pressure
IDFCFG_SDPRLMIT	AV	288	Type 6	RO	SP Reset Limit
GENUNIT_OCCUPIED	AV	289	Type 6	RO	Occupied
MDESTS_DMD_DET	AV	290	Type 6	RO	Demand Determination
MDESTS_OP_STATE	AV	291	Type 6	RO	Operational State
GENUNIT_HEATCOOL	AV	292	Type 6	RO	Heat/Cool status
RFGTEMP_CCT	AV	293	Type 6	RO	Cooling Coil Temp
BACNET_SCH_Objj	AV	294	Type 6	RO	Sched Linked BACnet Obj
BACNET_loc_occ	AV	295	Type 6	RO	Local Sched Occ Request
COOLSTP_HODACLSP	AV	296	Type 6	RO	100% OA Cool SAT
FILTER_STATUS	AV	297	Type 6	RO	Filter Status
SERVICE1_M_FILTER	AV	298	Type 6	RO	Pre-Filter Hours
RFGTEMP_SGT1	AV	299	Type 6	RO	Suction Gas Temp 1
RFGTEMP_DGTA	AV	300	Type 6	RO	Discharge Gas Temp A
HMZR_CONDPURG	AV	301	Type 6	RO	Humidizer Purge
DHUMSTP_DHUMSADP	AV	302	Type 6	RO	Dehum SADP
EQUIPCFG_FRZSWEN	AV	303	Type 6	RO	Freeze Switch
DMDLMCFG_DMDLMEN	AV	304	Type 6	RO	Demand Limit Enable
DMDLMCFG_DMDCPEN	AV	305	Type 6	RO	Capacity Limit Enable

APPENDIX A — BACNET POINTS FOR 48/50LC*H (cont)

BACnet Point List — PIC 6.0, Version 2.5 and Higher (cont)

OBJECT NAME	TYPE	INSTANCE	OPTION	POINT ACCESS	DESCRIPTION
HEATCFG_HEATTTDB	AV	306	Type 6	RW	Heat Tempered Cooling DB
HEATCFG_HTTREND	AV	307	Type 6	RW	Heat Trend Level
HEATCFG_HTTNDTM	AV	308	Type 6	RW	Heat Trend Time
HEATCFG_HT2DTG	AV	309	Type 6	RW	Heat 2Stage Dn Timeguard
HEATCFG_HT2UTG	AV	310	Type 6	RW	Heat 2Stage Up Timeguard
SERVICE_TCSTHEAT	AV	311	Type 6	RW	TC Start Heat Factor
HEATCFG_HEAT_FOD	AV	312	Type 6	RW	Heat Fan Off Delay Timer
HEATSTP_HTSP_OCC	AV	313	Type 6	RW	Occupied Heating
HEATSTP_HTSP_UNO	AV	314	Type 6	RW	Unoccupied Heating
HEATSTP_SALOHTSP	AV	315	Type 6	RW	Lo Heat SAT
HEATSTP_SAHIHTSP	AV	316	Type 6	RW	Hi Heat SAT
HEATSTP_HODALHT	AV	317	Type 6	RW	100% OA Low Heat SAT
HEATSTP_HODAHHT	AV	318	Type 6	RW	100% OA High Heat SAT
HEATCFG_DOLOHTON	AV	319	Type 6	RW	Lo Heat On DB
HEATCFG_DOLOHTOF	AV	320	Type 6	RW	Lo Heat Off DB
HEATCFG_DOHIHTON	AV	321	Type 6	RW	Hi Heat On DB
IDFCFG_OPSELECT	AV	322	Type 6	RW	IDF Control
IDFCFG_SAVTYPE	AV	323	Type 6	RW	SAV Mode Selection
IDFCFG_IDFMNSPD	AV	324	Type 6	RW	Indoor Fan Min Speed
IDFCFG_IDFMXSPD	AV	325	Type 6	RW	Indoor Fan Max Speed
IDFCFG_IDFCSPD1	AV	326	Type 6	RW	Lo Cool IDF Speed
IDFCFG_IDFMCSPD	AV	327	Type 6	RW	Med Cool IDF Speed
IDFCFG_IDFCSPD2	AV	328	Type 6	RW	Hi Cool IDF Speed
IDFCFG_SAVLCCTH	AV	329	Type 6	RW	SAV Low Cool Cap Thresh
IDFCFG_SAVMCCTH	AV	330	Type 6	RW	SAV Med Cool Cap Thresh
IDFCFG_SAVHCCTH	AV	331	Type 6	RW	SAV High Cool Cap Thresh
IDFCFG_IDFHSPD1	AV	332	Type 6	RW	Lo Heat IDF Speed
IDFCFG_IDFHSPD2	AV	333	Type 6	RW	Hi Heat IDF Speed
IDFCFG_IDFPURGE	AV	334	Type 6	RW	IDF PURGE Speed
IDFCFG_IDFPRESS	AV	335	Type 6	RW	IDF Pressurization Speed
IDFCFG_IDFEVAC	AV	336	Type 6	RW	IDF Evacuation Speed
IDFCFG_OCCUCFG	AV	337	Type 6	RW	Occupied Fan
IDFCFG_UNOCCFG	AV	338	Type 6	RW	Unoccupied Fan
IDFCFG_SDPRS	AV	339	Type 6	RW	SP Reset Source
IDFCFG_SDPRRTIO	AV	340	Type 6	RW	SP Reset Ratio
IDFCFG_SDPRTIME	AV	341	Type 6	RW	SDP Reset Time
IDFCFG_SDPRZDP	AV	342	Type 6	RW	SDP Reset ZDP Threshold
IDFSTP_CO2LVL	AV	343	Type 6	RW	CO2 Level
IDFSTP_DUCTSET	AV	344	Type 6	RW	Supply Pressure
IDFSTP_AIRFLOW	AV	345	Type 6	RW	Air Flow Setpoint
CMPASTS_BOOSTSTA	AV	346	Type 6	RO	Cir A VSC Boost State
ANALOGIN_SPRHNET	AV	347	Type 6	RW	Net SPRH
ANALOGIN_RARHNET	AV	348	Type 6	RW	Net RARH
ANALOGIN_OACFMNET	AV	349	Type 6	RW	Net Outdoor Air CFM
ANALOGIN_OCFMRNET	AV	350	Type 6	RW	Net OA CFM Reset
ANALOGIN_IAQORNET	AV	351	Type 6	RW	Net IAQ OAD Pos Reset
AIRPRESS_BPNET	AV	352	Type 6	RW	Net Building Pressure
ANALOGIN_EF3P_NET	AV	353	Type 6	RW	Net 3rd Party EXF
ANALOGIN_OD3P_NET	AV	354	Type 6	RW	Net 3rd Party OAD
ANALOGIN_SF3P_NET	AV	355	Type 6	RW	Net 3rd Party IDF
ANALOGIN_OAQNET	AV	356	Type 6	RW	Net Outdoor Air Quality
ANALOGIN_IAQNET	AV	357	Type 6	RW	Net Indoor Air Quality
ANALOGIN_IAQRNET	AV	358	Type 6	RW	Net IAQ Reset
AIRPRESS_SDP_NET	AV	359	Type 6	RW	Network Supply Pressure
AIRTEMP_SPTNET	AV	360	Type 6	RW	Net SPT
AIRTEMP_SPTONET	AV	361	Type 6	RW	Net Space Temp Offset
AIRTEMP_OATNET	AV	362	Type 6	RW	Net OAT
GENUNIT_NETOCC	AV	363	Type 6	RW	Network Occupancy
ANALOGIN_SPSR_NET	AV	364	Type 6	RW	Net SP Reset
ANALOGIN_ZDPNET	AV	365	Type 6	RW	Net Zone Damper Position
OCCSBNET	AV	366	Type 6	RW	Occupied Standby Net

APPENDIX A — BACNET POINTS FOR 48/50LC*H (cont)

BACnet Point List — PIC 6.0, Version 2.5 and Higher (cont)

OBJECT NAME	TYPE	INSTANCE	OPTION	POINT ACCESS	DESCRIPTION
ZS_OCCSB	AV	367	Type 6	RW	Occupied Standby ZS
OADCFG_ECONCTRL	AV	368	Type 6	RW	Ventilation Control
OADCFG_IAQOCFG	AV	369	Type 6	RW	IAQ Override Conf
OADCFG_MINPOS	AV	370	Type 6	RW	OAD Min Position
OADCFG_MAXPOS	AV	371	Type 6	RW	OAD Max Position
OADCFG_MINOADCP	AV	372	Type 6	RW	Min OAD Control Point
OADCFG_OADEVAC	AV	373	Type 6	RW	OAD Smoke Evac Speed
IDFCFG_VENTSPD1	AV	374	Type 6	RW	IDF Vent Speed 1
IDFCFG_VENTSPD2	AV	375	Type 6	RW	IDF Vent Speed 2
IDFCFG_VENTSPD3	AV	376	Type 6	RW	IDF Vent Speed 3
IDFCFG_VENTSPD4	AV	377	Type 6	RW	IDF Vent Speed 4
OADCFG_OADPOS1	AV	378	Type 6	RW	OA Damper Vent Pos 1
OADCFG_OADPOS2	AV	379	Type 6	RW	OA Damper Vent Pos 2
OADCFG_OADPOS3	AV	380	Type 6	RW	OA Damper Vent Pos 3
OADCFG_OADPOS4	AV	381	Type 6	RW	OA Damper Vent Pos 4
OADCFG_IAQRESET	AV	382	Type 6	RW	IAQ Reset Source
OADCFG_IAQOTH	AV	383	Type 6	RW	IAQ Override Threshold
OADCFG_IAQODB	AV	384	Type 6	RW	IAQ Override Deadband
OADCFG_IAQOPOS	AV	385	Type 6	RW	IAQ Override Position
OADCFG_IAQPDUR	AV	386	Type 6	RW	IAQ Purge Duration
OADCFG_IAQPLOCK	AV	387	Type 6	RW	IAQ Purge Lockout
OADCFG_IAQPRGLL	AV	388	Type 6	RW	IAQ Purge OAT Lo Lockout
OADCFG_IAQPRGHL	AV	389	Type 6	RW	IAQ Purge OAT Hi Lockout
OADCFG_IAQPLOTP	AV	390	Type 6	RW	IAQ Purge Lo Temp Pos
OADCFG_IAQPHITP	AV	391	Type 6	RW	IAQ Purge Hi Temp Pos
OADCFG_IAQCFMRS	AV	392	Type 6	RW	IAQ OA CFM Reset
OADCFG_PRGSHORT	AV	393	Type 6	RW	Purge Short Duration
OADCFG_PRGLONG	AV	394	Type 6	RW	Purge Long Duration
FRECLCFG_ODAIRQTH	AV	395	Type 6	RW	OAQ Lockout
OADCFG_OABPOREN	AV	396	Type 6	RW	Bld Pressure Override En
OADCFG_OABPORTH	AV	397	Type 6	RW	Bld Pressure Threshold
OADCFG_OABPORDB	AV	398	Type 6	RW	Bld Pressure Deadband
OADCFG_CFMSP	AV	399	Type 6	RW	OACFM Setpoint
RFGPRESS_SPA	AV	400	Type 6	RO	Cir A Suction Pressure
RFGPRESS_SPB	AV	401	Type 6	RO	Cir B Suction Pressure
RFGPRESS_DPA	AV	402	Type 6	RO	Cir A Discharge Pressure
RFGPRESS_DPB	AV	403	Type 6	RO	Cir B Discharge Pressure
RFGTEMP_SSTA	AV	404	Type 6	RO	Saturated Suction A
RFGTEMP_SSTB	AV	405	Type 6	RO	Saturated Suction B
RFGTEMP_SDTA	AV	406	Type 6	RO	Saturated Discharge CirA
RFGTEMP_SDTB	AV	407	Type 6	RO	Saturated Discharge CirB
RFGTEMP_SSHA1	AV	408	Type 6	RO	A1 Superheat Temp
RFGTEMP_SSHA2	AV	409	Type 6	RO	A2 Superheat Temp
RFGTEMP_SSHB1	AV	410	Type 6	RO	B1 Superheat Temp
RFGTEMP_SSHB2	AV	411	Type 6	RO	B2 Superheat Temp
RFGTEMP_SGTA1	AV	412	Type 6	RO	Suction Gas Temp Cir A1
RFGTEMP_SGTA2	AV	413	Type 6	RO	Suction Gas Temp Cir A2
RFGTEMP_SGTB1	AV	414	Type 6	RO	Suction Gas Temp Cir B1
RFGTEMP_SGTB2	AV	415	Type 6	RO	Suction Gas Temp Cir B2
RFGTEMP_OILTSMPA	AV	416	Type 6	RO	Oil Sump Temp
RUNTIME_COMPA1RT	AV	417	Type 6	RO	Comp A1 Minutes
RUNTIME_COMPA1SC	AV	418	Type 6	RO	Comp A1 Start Count
RUNTIME_COMPA1RC	AV	419	Type 6	RO	Comp A1 Reset Count
RUNTIME_COMPA2RT	AV	420	Type 6	RO	Comp A2 Minutes
RUNTIME_COMPA2SC	AV	421	Type 6	RO	Comp A2 Start Count
RUNTIME_COMPA2RC	AV	422	Type 6	RO	Comp A2 Reset Count
RUNTIME_COMPB1RT	AV	423	Type 6	RO	Comp B1 Minutes
RUNTIME_COMPB1SC	AV	424	Type 6	RO	Comp B1 Start Count
RUNTIME_COMPB1RC	AV	425	Type 6	RO	Comp B1 Reset Count
RUNTIME_COMPB2RT	AV	426	Type 6	RO	Comp B2 Minutes
RUNTIME_COMPB2SC	AV	427	Type 6	RO	Comp B2 Start Count

APPENDIX A — BACNET POINTS FOR 48/50LC*H (cont)

BACnet Point List — PIC 6.0, Version 2.5 and Higher (cont)

OBJECT NAME	TYPE	INSTANCE	OPTION	POINT ACCESS	DESCRIPTION
RUNTIME_COMPB2RC	AV	428	Type 6	RO	Comp B2 Reset Count
RUNTIME_CND1_RT	AV	429	Type 6	RO	CF 1 Minutes
RUNTIME_CND1_SC	AV	430	Type 6	RO	CF 1 Start Count
RUNTIME_CND1_RC	AV	431	Type 6	RO	CF 1 Reset Count
RUNTIME_CND2_RT	AV	432	Type 6	RO	CF 2 Minutes
RUNTIME_CND2_SC	AV	433	Type 6	RO	CF 2 Start Count
RUNTIME_CND2_RC	AV	434	Type 6	RO	CF 2 Reset Count
RUNTIME_CND3_RT	AV	435	Type 6	RO	CF 3 Minutes
RUNTIME_CND3_SC	AV	436	Type 6	RO	CF 3 Start Count
RUNTIME_CND3_RC	AV	437	Type 6	RO	CF 3 Reset Count
RUNTIME_IDF_RT	AV	438	Type 6	RO	Indoor Fan Minutes
RUNTIME_IDF_SC	AV	439	Type 6	RO	Indoor Fan Start Count
RUNTIME_IDF_RC	AV	440	Type 6	RO	Indoor Fan Reset Count
RUNTIME_EFAN_RT	AV	441	Type 6	RO	Exhaust Fan Minutes
RUNTIME_EFAN_SC	AV	442	Type 6	RO	Exhaust Fan Start Count
RUNTIME_EFAN_RC	AV	443	Type 6	RO	Exhaust Fan Reset Count
RUNTIME_SHEAT_RT	AV	444	Type 6	RO	Heat Minutes
RUNTIME_SHEAT_SC	AV	445	Type 6	RO	Heat Start Count
RUNTIME_SHEAT_RC	AV	446	Type 6	RO	Heat Reset Count
RUNTIME_HMVLV_RT	AV	447	Type 6	RO	HGRH Valve Minutes
RUNTIME_HMVLV_SC	AV	448	Type 6	RO	HGRH Valve Start Count
RUNTIME_HMVLV_RC	AV	449	Type 6	RO	HGRH Valve Reset Count
RUNTIME_DAMP_RT	AV	450	Type 6	RO	OAD Minutes
RUNTIME_DAMP_SC	AV	451	Type 6	RO	OAD Start Count
RUNTIME_DAMP_RC	AV	452	Type 6	RO	OAD Reset Count
RUNTIME_CCHRA_RT	AV	453	Type 6	RO	CCH A Minutes
RUNTIME_CCHRA_SC	AV	454	Type 6	RO	CCH A Start Count
RUNTIME_CCHRA_RC	AV	455	Type 6	RO	CCH A Reset Count
RUNTIME_CCHRB_RT	AV	456	Type 6	RO	CCH B Minutes
RUNTIME_CCHRB_SC	AV	457	Type 6	RO	CCH B Start Count
RUNTIME_CCHRB_RC	AV	458	Type 6	RO	CCH B Reset Count
RUNTIME_OILACYSC	AV	459	Type 6	RO	Oil Cir A Count
RUNTIME_OILBCYSC	AV	460	Type 6	RO	Oil Cir B Count
CMPASTS_OILRECAC	AV	461	Type 6	RO	Oil Recovery Actv Cir A
CMPASTS_ORTMLFTA	AV	462	Type 6	RO	Cir A Oil Rec Time Left
CMPBSTS_OILRECAC	AV	463	Type 6	RO	Oil Recovery Actv Cir B
CMPBSTS_ORTMLFTB	AV	464	Type 6	RO	Cir B Oil Rec Time Left
RUNTIME_HUMPUSC	AV	465	Type 6	RO	Humdimizer Cycle Cnt
GENUINIT_FILT_RT	AV	466	Type 6	RO	Filter Minutes
SERVICE_MAXOACFM	AV	467	Type 6	RW	OACFM Sensor Max Range
SERVICE1_HTTOCL	AV	468	Type 6	RW	Heat to Cool Guard
SERVICE1_CLTOHT	AV	469	Type 6	RW	Cool to Heat Guard
SERVICE1_ZDORCAP	AV	470	Type 6	RW	ZDOR Heat Cap Thresh
COOLCFG_CCHTHA	AV	471	Type 6	RW	CCH A OAT Lockout
COOLCFG_CCHTHB	AV	472	Type 6	RW	CCH B OAT Lockout
FRECLCFG_FCOOL_TG	AV	473	Type 6	RW	Free Cool Timeguard
COOLSTP_CMPMAXA1	AV	474	Type 6	RW	Cmp Nominal Spd Max A1
COOLSTP_CMPMINA1	AV	475	Type 6	RW	Cmp Nominal Spd Min A1
COOLSTP_CMPMAXA2	AV	476	Type 6	RW	Cmp Nominal Spd Max A2
COOLSTP_CMPMINA2	AV	477	Type 6	RW	Cmp Nominal Spd Min A2
COOLSTP_CMPMAXB1	AV	478	Type 6	RW	Cmp Nominal Spd Max B1
COOLSTP_CMPMINB1	AV	479	Type 6	RW	Cmp Nominal Spd Min B1
COOLSTP_CMPMAXB2	AV	480	Type 6	RW	Cmp Nominal Spd Max B2
COOLSTP_CMPMINB2	AV	481	Type 6	RW	Cmp Nominal Spd Min B2
COOLCFG_SATLO_DB	AV	482	Type 6	RW	SAT Lo Deadband
COOLCFG_SATHI_DB	AV	483	Type 6	RW	SAT High Deadband
DHUMCFG_DHUMMODE	AV	484	Type 6	RW	Dehum Control Mode
COOLCFG_SCT_HLIM	AV	485	Type 6	RW	SCT High Limit
COOLCFG_SCT_LLIM	AV	486	Type 6	RW	SCT Low Limit
DHUMCFG_RHMINPOS	AV	487	Type 6	RW	HGRH Valve Min Pos
DHUMCFG_RHMAXPOS	AV	488	Type 6	RW	HGRH Valve Max Pos

APPENDIX A — BACNET POINTS FOR 48/50LC*H (cont)

BACnet Point List — PIC 6.0, Version 2.5 and Higher (cont)

OBJECT NAME	TYPE	INSTANCE	OPTION	POINT ACCESS	DESCRIPTION
DHUMCFG_RHSTART	AV	489	Type 6	RW	HGRH Start Pos
DHUMCFG_RHTIME	AV	490	Type 6	RW	HGRH Startup Time
SERVICE1_CMPMATL	AV	491	Type 6	RW	Comp MAT Lockout
SERVICE1_CMPOATL	AV	492	Type 6	RW	Comp OAT Lock
CNDSTP_SDTTEMP1	AV	493	Type 6	RW	SDT Setpoint 1
CNDSTP_SDTTEMP2	AV	494	Type 6	RW	SDT Setpoint 2
CNDSTP_SDTTEMP3	AV	495	Type 6	RW	SDT Setpoint 3
COOLCFG_CFSPDMN1	AV	496	Type 6	RW	CF Speed MIN
COOLCFG_CFSPDMX1	AV	497	Type 6	RW	CF Speed MAX
COOLCFG_CFSTSPD1	AV	498	Type 6	RW	CF User Start Speed
SERVICE1_SVTESTMT	AV	499	Type 6	RW	Test Mode Timeout
SERVICE_NETINTO	AV	500	Type 6	RW	Network Input Timeout
SERVICE_LLAGCFG	AV	501	Type 6	RW	Lead Lag Config
SERVICE_RCYCLIM	AV	502	Type 6	RW	Recycle Limit
SERVICE_RCYCDB	AV	503	Type 6	RW	Recycle DB
DHUMCFG_OILLOWTH	AV	504	Type 6	RW	Oil Recov Low Thld
DHUMCFG_OILHITH	AV	505	Type 6	RW	Oil Recov High Thld
DHUMCFG_OILTIME	AV	506	Type 6	RW	Dehum Oil Recov Time
FACTORY_OILRHLDT	AV	507	Type 6	RW	Oil Recovery Hold Time
FACTORY_OILRECSP	AV	508	Type 6	RW	Oil Recovery Speed
FACTORY_OILTIME1	AV	509	Type 6	RW	Oil Recovery Time 1
FACTORY_OILTIME2	AV	510	Type 6	RW	Oil Recovery Time 2
FACTORY_LOWOILA	AV	511	Type 6	RW	Low Oil Threshold A
FACTORY_LOWOILB	AV	512	Type 6	RW	Low Oil Threshold B
FACTORY_LOWOILTM	AV	513	Type 6	RW	Oil Threshold Timer
FACTORY_OILRSTLM	AV	514	Type 6	RW	Oil Threshold Reset Lim
FACTORY_LOWOILRT	AV	515	Type 6	RW	Low Oil Reset Threshold
STATES_MINTILOC	AV	516	Type 6	RO	Time Until Next Occupied
LABONLY_CAPAPCT	AV	517	Type 6	RO	System Capacity Req %
LABONLY_CAPACT	AV	518	Type 6	RO	System Capacity Act %
CMPA1STS_LOADREQ	AV	519	Type 6	RO	Load Request Comp A1
CMPA2STS_LOADREQ	AV	520	Type 6	RO	Load Request Comp A2
CMPB1STS_LOADREQ	AV	521	Type 6	RO	Load Request Comp B1
CMPB2STS_LOADREQ	AV	522	Type 6	RO	Load Request Comp B2
OUTPUTS_EXVA1OBJ	AV	523	Type 6	RO	EXV A1 Objective
OUTPUTS_EXVA2OBJ	AV	524	Type 6	RO	EXV A2 Objective
OUTPUTS_EXVB1OBJ	AV	525	Type 6	RO	EXV B1 Objective
OUTPUTS_EXVB2OBJ	AV	526	Type 6	RO	EXV B2 Objective
COOLSTP_ACTV_SP	AV	527	Type 6	RO	SAT Setpt
CMPASTS_SSTENVMN	AV	528	Type 6	RO	SST Env Min CirA
CMPASTS_SSTENVMX	AV	529	Type 6	RO	SST Env Max CirA
CMPASTS_SDTENVMN	AV	530	Type 6	RO	SDT Env Min CirA
CMPASTS_SDTENVMX	AV	531	Type 6	RO	SDT Env Max CirA
CMPBSTS_SSTENVMN	AV	532	Type 6	RO	SST Env Min Cir B
CMPBSTS_SSTENVMX	AV	533	Type 6	RO	SST Env Max Cir B
CMPBSTS_SDTENVMN	AV	534	Type 6	RO	SDT Env Min Cir B
CMPBSTS_SDTENVMX	AV	535	Type 6	RO	SDT Env Max Cir B
CMPASTS_SSTABSMN	AV	536	Type 6	RO	SST Abs Min CirA
CMPASTS_SSTABSMX	AV	537	Type 6	RO	SST Abs Max CirA
CMPASTS_SDTABSMN	AV	538	Type 6	RO	SDT Abs Min Cir A
CMPASTS_SDTABSMX	AV	539	Type 6	RO	SDT Abs Max Cir A
CMPBSTS_SSTABSMN	AV	540	Type 6	RO	SST Abs Min Cir B
CMPBSTS_SSTABSMX	AV	541	Type 6	RO	SST Abs Max Cir B
CMPBSTS_SDTABSMN	AV	542	Type 6	RO	SDT Abs Min Cir B
CMPBSTS_SDTABSMX	AV	543	Type 6	RO	SDT Abs Max Cir B
LAB_SSHCMDA1	AV	544	Type 6	RO	EXVA1 SSHCMD
LAB_SSHSTPA1	AV	545	Type 6	RO	EXVA1 SSHSTPT
LAB_SSHCMDA2	AV	546	Type 6	RO	EXVA2 SSHCMD
LAB_SSHSTPA2	AV	547	Type 6	RO	EXVA2 SSHSTPT
LAB_SSHCMDB1	AV	548	Type 6	RO	EXVB1 SSHCMD
LAB_SSHSTPB1	AV	549	Type 6	RO	EXVB1 SSHSTPT

BACnet Point List — PIC 6.0, Version 2.5 and Higher (cont)

OBJECT NAME	TYPE	INSTANCE	OPTION	POINT ACCESS	DESCRIPTION
LAB_SSHCMDB2	AV	550	Type 6	RO	EXVB2 SSHCMD
LAB_SSHSTPB2	AV	551	Type 6	RO	EXVB2 SSHSTPT
LAB_DSTKPA1	AV	552	Type 6	RO	EXVA1 DST KP
LAB_DSTTIA1	AV	553	Type 6	RO	EXVA1 DST TI
LAB_SSHKPA1	AV	554	Type 6	RO	EXVA1 SSH KP
LAB_SSHTIA1	AV	555	Type 6	RO	EXVA1 SSH TI
LAB_DSTKPA2	AV	556	Type 6	RO	EXVA2 DST KP
LAB_DSTTIA2	AV	557	Type 6	RO	EXVA2 DST TI
LAB_SSHKPA2	AV	558	Type 6	RO	EXVA2 SSH KP
LAB_SSHTIA2	AV	559	Type 6	RO	EXVA2 SSH TI
LAB_DSTKPB1	AV	560	Type 6	RO	EXVB1 DST KP
LAB_DSTTIB1	AV	561	Type 6	RO	EXVB1 DST TI
LAB_SSHKPB2	AV	562	Type 6	RO	EXVB2 SSH KP
LAB_SSHTIB2	AV	563	Type 6	RO	EXVB2 SSH TI
LABONLY_DHUM_REQ	AV	564	Type 6	RO	Dehum Request
LAB_SDTTARG	AV	565	Type 6	RO	SDT Target
LAB_SATCTLPT	AV	566	Type 6	RO	SAT Control Point
GENUNIT_SMAXCCAP	AV	567	Type 6	RO	Sys Max Cool Cap
GENUNIT_SMAXHCAP	AV	568	Type 6	RO	Sys Max Heat Cap
LAB_OACFMCP	AV	569	Type 6	RO	OA CFM Control Point
HOME_SCREEN_ID	AV	571	Type 6	RO	Current home screen ID
BACNET_ALC_PRIME	AV	573	Type 6	RO	Value of Prime variable
EQUIPCFG_SIO3DI7	AV	574	Type 6	RW	Select IAQ or OAQ Switch
LPALMHYS	AV	575	Type 6	RW	Low Power Hysteresis(mS)
ALARMRST_RST_ALM	BV	1	Type 4	RW	Alarm Reset
UNITCFG_PG_SP_EN	BV	2	Type 4	RW	Prognostics SP Enable
UNITCFG_PG_BP_EN	BV	3	Type 4	RW	Prognostics BP Enable
ALERTCFG_LOCK_OUT	BV	4	Type 4	RW	Lockout Notification
ALERTCFG_T24ENAB	BV	5	Type 4	RW	T24 Diagnostic
IDFFDBK_STATUS	BV	6	Type 4	RO	IDF Feedback Status
COOLCFG_TMPDVNT	BV	7	Type 4	RW	Cool Tempered Venting
SVCOUT_CMTRNDAC	BV	8	Type 4	RW	Cool Comfort Trending
DHUMCFG_UNOCENAB	BV	9	Type 4	RW	Unoccupied Dehum
DHUMCFG_SUPPHEAT	BV	10	Type 4	RW	Supplemental Heat
DHUMCFG_DHUMVENT	BV	11	Type 4	RW	Vent/None Dehum
DHUMCFG_DHUMVAV	BV	12	Type 4	RW	VAV Cool Dehum
DHUMCFG_DHUMHICL	BV	13	Type 4	RW	High Cool Dehum
DHUMCFG_DHUMLOCL	BV	14	Type 4	RW	Low Cool Dehum
DHUMCFG_DHUMHIHT	BV	15	Type 4	RW	High Heat Dehum
DHUMCFG_DHUMLOHT	BV	16	Type 4	RW	Low Heat Dehum
OADCFG_OADHUMEN	BV	17	Type 4	RW	OA Dehum Enable
DHUMCFG_OFDHUMEN	BV	18	Type 4	RW	Occupied Free Dehum
DHUMCFG_UFDHUMEN	BV	19	Type 4	RW	Unoccupied Free Dehum
DISCIN_TSTAT_G	BV	20	Type 4	RO	Indoor Fan Input (G)
DISCIN_TSTAT_Y1	BV	21	Type 4	RO	Lo Cool Input (Y1)
DISCIN_TSTAT_Y2	BV	22	Type 4	RO	Hi Cool Input (Y2)
DISCIN_TSTAT_W1	BV	23	Type 4	RO	Lo Heat Input (W1)
DISCIN_TSTAT_W2	BV	24	Type 4	RO	Hi Heat Input (W2)
DISCIN_FIRESW	BV	25	Type 4	RO	Fire Shutdown Switch
DISCIN_SMOKESW	BV	26	Type 4	RO	Smoke Detector
DISCIN_SMKPRGSW	BV	27	Type 4	RO	Smoke Purge Switch
DISCIN_PMR_STAT	BV	28	Type 4	RO	Phase Monitor
DISCIN_SHTDWNSW	BV	29	Type 4	RO	Shutdown Switch
DISCIN_FILTSTAT	BV	30	Type 4	RO	Filter Switch
DISCIN_IDF_LSM	BV	31	Type 4	RO	Indoor Fan Limit Switch
DISCIN_HT_ALARM	BV	32	Type 4	RO	Heat Alarm
DISCIN_CNDOSW	BV	33	Type 4	RO	COFS
DISCIN_DEHUMSW	BV	34	Type 4	RO	Dehumidify Switch
DISCIN_CMPFBKA1	BV	35	Type 4	RO	Comp A1 Feedback
DISCIN_CMPFBKA2	BV	36	Type 4	RO	Comp A2 Feedback
DISCIN_CMPFBKB1	BV	37	Type 4	RO	Comp B1 Feedback

APPENDIX A — BACNET POINTS FOR 48/50LC*H (cont)

BACnet Point List — PIC 6.0, Version 2.5 and Higher (cont)

OBJECT NAME	TYPE	INSTANCE	OPTION	POINT ACCESS	DESCRIPTION
DISCIN_CMPFBKB2	BV	38	Type 4	RO	Comp B2 Feedback
DISCIN_HPSA	BV	39	Type 4	RO	Cir A HPS Switch
DISCIN_HPSB	BV	40	Type 4	RO	Cir B HPS Switch
DISCIN_RESW	BV	41	Type 4	RO	Remote Switch
DISCIN_ERV_FRST	BV	42	Type 4	RO	ERV Frost Indicator
DISCIN_WHEEL_ST	BV	43	Type 4	RO	ERV Motion Sensor
DISCIN_ERVFSS	BV	44	Type 4	RO	ERV OD Filt Stat Switch
DISCIN_DLS1	BV	45	Type 4	RO	DemandLimSwitch1
DISCIN_DLS2	BV	46	Type 4	RO	DemandLimSwitch2
DISCIN_IGCFANSW	BV	47	Type 4	RO	IGC IDF Switch
DISCIN_PFPSS	BV	48	Type 4	RO	Pre Filter Switch
DISCIN_PRESSSW	BV	49	Type 4	RO	Fire Press Switch
DISCIN_EVACSW	BV	50	Type 4	RO	Smoke Evac Switch
DISCIN_FRZSW	BV	51	Type 4	RO	Hydronic Freeze Switch
DISCIN_PPSS	BV	52	Type 4	RO	Pressure Safety
DISCIN_IAQSW	BV	53	Type 4	RO	IAQ Switch
DISCIN_OAQSW	BV	54	Type 4	RO	OAQ Switch
DISCIN_ODENTHSW	BV	55	Type 4	RO	Outdoor Enthalpy
DISCIN_ENEGPRES	BV	56	Type 4	RO	OAD Neg Pressure
DISCIN_VSOLSWA	BV	57	Type 4	RO	VS Oil Level Switch A
DISCIN_INRFGLK	BV	58	Type 4	RO	Indoor RFG Sensor ALM
DISCIN_OUTRFGLK	BV	59	Type 4	RO	Outdoor RFG Sensor ALM
DISCOUT_CPA1	BV	60	Type 4	RO	Compressor A1
DISCOUT_CMPRELA1	BV	61	Type 4	RO	Comp A1 Modulation RLY
DISCOUT_CPA2	BV	62	Type 4	RO	Compressor A2
DISCOUT_CMPRELA2	BV	63	Type 4	RO	Comp A2 Modulation RLY
DISCOUT_CPB1	BV	64	Type 4	RO	Compressor B1
DISCOUT_CPB2	BV	65	Type 4	RO	Compressor B2
DISCOUT_IDFBYREL	BV	66	Type 4	RO	IDF VFD Bypass Relay
DISCOUT_ODF1	BV	67	Type 4	RO	CF 1 Relay
DISCOUT_ODF2	BV	68	Type 4	RO	CF 2 Relay
DISCOUT_ODF3	BV	69	Type 4	RO	CF 3 Relay
DISCOUT_CCHRA	BV	70	Type 4	RO	CCH A
DISCOUT_CCHRB	BV	71	Type 4	RO	CCH B
DISCOUT_HMS	BV	72	Type 4	RO	Reheat 3-way valve
DISCOUT_RH3PRLY	BV	73	Type 4	RO	3rd Party Reheat Relay
DISCOUT_ERVWHEEL	BV	74	Type 4	RO	ERV Wheel
DISCOUT_STGHEAT1	BV	75	Type 4	RO	Heat Enable 1
DISCOUT_STGHEAT2	BV	76	Type 4	RO	Heat Enable 2
DISCOUT_STGHEAT3	BV	77	Type 4	RO	Heat Enable 3
DISCOUT_STGHEAT4	BV	78	Type 4	RO	Heat Enable 4
DISCOUT_STGHEAT5	BV	79	Type 4	RO	Heat Enable 5
DISCOUT_STGHEAT6	BV	80	Type 4	RO	Heat Enable 6
DISCOUT_BYP_DAMP	BV	81	Type 4	RO	ERV Bypass Damper
DISCOUT_ZDOR	BV	82	Type 4	RO	Zone Damper Override RLY
DISCOUT_ALMOUT	BV	83	Type 4	RO	Alarm
DISCOUT_HIR	BV	84	Type 4	RO	Heat Interlock Relay
DISCOUT_HMFR	BV	85	Type 4	RO	Humidifier
DISCOUT_HRR	BV	86	Type 4	RO	Heat Reclaim
DISCOUT_PEA	BV	87	Type 4	RO	Power Exh A
DISCOUT_PEB	BV	88	Type 4	RO	Power Exh B
DISCOUT_PEC	BV	89	Type 4	RO	Power Exh C
DISCOUT_AUTOADDR	BV	90	Type 4	RO	Fan Auto Address
DMDLMCFG_DLSWSEN	BV	91	Type 4	RW	Demand Switch Enable
OCCSB_EN	BV	92	Type 4	RW	Occupied Standby Enable
EQUIPCFG_DMDLIM	BV	93	Type 4	RW	Demand/Capacity Anlg In
EQUIPCFG_SMOKEEN	BV	94	Type 4	RW	Smoke Detector
EQUIPCFG_TSTATEN	BV	95	Type 4	RW	Thermostat
EQUIPCFG_HUMSWEN	BV	96	Type 4	RW	Humidistat
EQUIPCFG_FILTSWEN	BV	97	Type 4	RW	Pre-Filter Switch
EQUIPCFG_PMREN	BV	98	Type 4	RW	Phase Monitor

APPENDIX A — BACNET POINTS FOR 48/50LC*H (cont)

BACnet Point List — PIC 6.0, Version 2.5 and Higher (cont)

OBJECT NAME	TYPE	INSTANCE	OPTION	POINT ACCESS	DESCRIPTION
EQUIPCFG_SHTDWNEN	BV	99	Type 4	RW	Emergency Shutdown En
EQUIPCFG_ZDOREN	BV	100	Type 4	RW	ZDOR
EQUIPCFG_ALARMEN	BV	101	Type 4	RW	Alarm Output
EQUIPCFG_EATEN	BV	102	Type 4	RW	EAT Sensor
EQUIPCFG_OACFMEN	BV	103	Type 4	RW	OACFM Sensor
EQUIPCFG_IDFVFDBY	BV	104	Type 4	RW	IDF VFD Bypass
EQUIPCFG_SF3PEN	BV	105	Type 4	RW	IDF 3rd Party Mod
EQUIPCFG_SPSREN	BV	106	Type 4	RW	SPSR Sensor
EQUIPCFG_EF3PEN	BV	107	Type 4	RW	EXF 3rd Party Mod
EQUIPCFG_RH3PEN	BV	108	Type 4	RW	3rd Party Reheat Enable
EQUIPCFG_OAD3PEN	BV	109	Type 4	RW	OAD 3rd Party Mod
EQUIPCFG_ERVEN	BV	110	Type 4	RW	ERV
EQUIPCFG_ERVOAFEN	BV	111	Type 4	RW	ERV OAF
EQUIPCFG_ERVBYPEN	BV	112	Type 4	RW	ERV Bypass Damper
EQUIPCFG_FIRESWEN	BV	113	Type 4	RW	Fire Switch
EQUIPCFG_EVACEN	BV	114	Type 4	RW	Evacuation Switch
EQUIPCFG_PRESSEN	BV	115	Type 4	RW	Pressurization Switch
EQUIPCFG_EFEN	BV	116	Type 4	RW	Exhaust Fan
EQUIPCFG_ECONEN	BV	117	Type 4	RW	Economizer (OAD)
EQUIPCFG_HT1EN	BV	118	Type 4	RW	Heat Stage 1 Relay
EQUIPCFG_HT2EN	BV	119	Type 4	RW	Heat Stage 2 Relay
EQUIPCFG_HT3EN	BV	120	Type 4	RW	Heat Stage 3 Relay
EQUIPCFG_HT4EN	BV	121	Type 4	RW	Heat Stage 4 Relay
EQUIPCFG_DMDRSTEN	BV	122	Type 4	RW	Demand Reset Switch
EQUIPCFG_CONDEN	BV	123	Type 4	RW	COFS
EQUIPCFG_ENTHSWEN	BV	124	Type 4	RW	Enthalpy Switch
EQUIPCFG_IAQOREN	BV	125	Type 4	RW	IAQ-OD Pos Reset Enable
EQUIPCFG_OAQSWEN	BV	126	Type 4	RW	OAQ Switch
EQUIPCFG_IAQSWEN	BV	127	Type 4	RW	IAQ Switch
EXVSTP_SETPTENB	BV	128	Type 4	RW	User Setpoint Enable
EXVSTP_EXVSTENB	BV	129	Type 4	RW	Manual Start Pos Enable
FRECLCFG_FREECLEN	BV	130	Type 4	RW	Occ Free Cool
FRECLCFG_UFC	BV	131	Type 4	RW	Unocc Free Cooling
FRECLCFG_DRYBLB	BV	132	Type 4	RW	Dry Bulb Chngeover (OAT)
FRECLCFG_DEWLIM	BV	133	Type 4	RW	OADP Limit Check
HEATCFG_HTMPDVNT	BV	134	Type 4	RW	Heat Tempered Venting
HEATCFG_HTTEMPCL	BV	135	Type 4	RW	Heat Tempered Cooling
SVCOUT_CMTRNDAH	BV	136	Type 4	RW	Add Heat Comfort Trend
HEATCFG_HEAT_EBL	BV	137	Type 4	RW	Morning Warmup Only
MDESTS_ERVCHECK	BV	138	Type 4	RO	ERV Check Status
MDESTS_DHUMPURG	BV	139	Type 4	RO	Reheat Oil Purge
LINK_ACT	BV	140	Type 4	RO	Linkage Active
NETIN_Y1_NET	BV	141	Type 4	RW	Network Y1
NETIN_Y2_NET	BV	142	Type 4	RW	Network Y2
NETIN_W1_NET	BV	143	Type 4	RW	Network W1
NETIN_W2_NET	BV	144	Type 4	RW	Network W2
NETIN_G_NET	BV	145	Type 4	RW	Network G
NETIN_HSTATNET	BV	146	Type 4	RW	Network HSTAT
FRECLCFG_ODAIRQ	BV	147	Type 4	RW	OAQ Check
OADCFG_IAQSBVEN	BV	148	Type 4	RW	IAQ Vent Standby Demand
OADCFG_IAQPOP	BV	149	Type 4	RW	IAQ Pre-Occ Purge
RESET_RT_CMPA1	BV	150	Type 4	RW	Reset Comp A1 Min/Starts
RESET_RT_CMPA2	BV	151	Type 4	RW	Reset Comp A2 Min/Starts
RESET_RT_CMPB1	BV	152	Type 4	RW	Reset Comp B1 Min/Starts
RESET_RT_CMPB2	BV	153	Type 4	RW	Reset Comp B2 Min/Starts
RESET_RT_CND1	BV	154	Type 4	RW	Reset CF 1 Min/Starts
RESET_RT_CND2	BV	155	Type 4	RW	Reset CF 2 Min/Starts
RESET_RT_CND3	BV	156	Type 4	RW	Reset CF 3 Min/Starts
RESET_RT_CNDA	BV	157	Type 4	RW	Reset CF A Min/Starts
RESET_RT_CNDB	BV	158	Type 4	RW	Reset CF B Min/Starts
RESET_RT_IDF	BV	159	Type 4	RW	Reset IDF Min/Starts

BACnet Point List — PIC 6.0, Version 2.5 and Higher (cont)

OBJECT NAME	TYPE	INSTANCE	OPTION	POINT ACCESS	DESCRIPTION
RESET_RT_EFAN	BV	160	Type 4	RW	Reset EXF Min/Starts
RESET_RT_CCHA	BV	161	Type 4	RW	Reset CCH A Min/Starts
RESET_RT_CCHB	BV	162	Type 4	RW	Reset CCH B Min/Starts
RESET_RT_CCH	BV	163	Type 4	RW	Reset CCH Min/Starts
RESET_RT_DAMP	BV	164	Type 4	RW	Reset OAD Min/Starts
RESET_RT_STGHEAT	BV	165	Type 4	RW	Reset Heat Min/Starts
RESET_RT_HMZRVLV	BV	166	Type 4	RW	Reset HGRH Min/Starts
GENUNIT_FLTR_RST	BV	167	Type 4	RW	Reset Filter Hours
RESET_RT_OILCYCLA	BV	168	Type 4	RW	Reset Oil Cnt Cir A
RESET_RT_OILCYCLB	BV	169	Type 4	RW	Reset OilCnt Cir B
RESET_RT_HUMPURC	BV	170	Type 4	RW	Reset Humidimer Cnt
CNDSTP_SDTStpEn	BV	171	Type 4	RW	SDT Setpoint Enable
CNDSTP_SPDStpEN	BV	172	Type 4	RW	CF User Start Spd Enab
SERVICE_DISABLEM	BV	173	Type 4	RW	Service Lock Out
COOLCFG_LCRCO	BV	174	Type 4	RW	Low Cap Req Comp On
COOLCFG_VSCFS_OR	BV	175	Type 4	RW	VSC Fixed Speed Override
STATES_OKTOFRCL	BV	176	Type 4	RO	Free Cooling Available
MDESTS_MODETCST	BV	177	Type 4	RO	Temp Compensated Start
STATES_PURGEACT	BV	178	Type 4	RO	Pre-Occ Purge State
OCCSB	BV	179	Type 4	RO	Occupied Standby
STATES_OKTOFDHM	BV	180	Type 4	RO	Free Dehum Status
SWTCHCFG_HTALMINV	BV	181	Type 4	RW	Heat Alarm/Limit Switch
SWTCHCFG_CNDSWINV	BV	182	Type 4	RW	Condensate Ovrflw Switch
SWTCHCFG_SMKSWINV	BV	183	Type 4	RW	Smoke Detector
SWTCHCFG_IDFSWINV	BV	184	Type 4	RW	Indoor Fan Limit Switch
SWTCHCFG_HPSAINV	BV	185	Type 4	RW	High Pressure Switch
SWTCHCFG_TSTGINV	BV	186	Type 4	RW	Thermostat G
SWTCHCFG_TSTY1INV	BV	187	Type 4	RW	Thermostat Y1
SWTCHCFG_TSTY2INV	BV	188	Type 4	RW	Thermostat Y2
SWTCHCFG_DHMSWINV	BV	189	Type 4	RW	Humidistat Switch
SWTCHCFG_TSTW1INV	BV	190	Type 4	RW	Thermostat W1
SWTCHCFG_TSTW2INV	BV	191	Type 4	RW	Thermostat W2
SWTCHCFG_FLTSWINV	BV	192	Type 4	RW	Filter Status Switch
SWTCHCFG_RESWINV	BV	193	Type 4	RW	Remote Input
SWTCHCFG_PMRSWINV	BV	194	Type 4	RW	Phase Monitor
SWTCHCFG_FRESWINV	BV	195	Type 4	RW	Fire Shutdown
SWTCHCFG_FRSTINV	BV	196	Type 4	RW	ERV Frost Indication
SWTCHCFG_WHLSTINV	BV	197	Type 4	RW	ERV Wheel Motion Sensor
SWTCHCFG_HTENINV	BV	198	Type 4	RW	Heat Enable
SWTCHCFG_DORINV	BV	199	Type 4	RW	Damper Override Relay
SWTCHCFG_CMPA1INV	BV	200	Type 4	RW	Compressor A1
SWTCHCFG_CMPA2INV	BV	201	Type 4	RW	Compressor A2
SWTCHCFG_CCHRAINV	BV	202	Type 4	RW	Crankcase Heater A
SWTCHCFG_PEENINV	BV	203	Type 4	RW	EXF Enable
SWTCHCFG_EVBYPINV	BV	204	Type 4	RW	ERV Bypass Damper
SWTCHCFG_ERVINV	BV	205	Type 4	RW	ERV Wheel
SWTCHCFG_ALARMINV	BV	206	Type 4	RW	Alarm Relay
UNITCFG_AUTRST	BV	207	Type 4	RW	Auto Restart
LABONLY_SYSON	BV	208	Type 4	RO	System On
ALM_61413	BV	209	Type 5	RO	T413
ALM_61085	BV	210	Type 5	RO	T085
ALM_61086	BV	211	Type 5	RO	T086
ALM_62051	BV	212	Type 5	RO	P051
ALM_61051	BV	213	Type 5	RO	T051
ALM_60051	BV	214	Type 5	RO	A051
ALM_62052	BV	215	Type 5	RO	P052
ALM_61052	BV	216	Type 5	RO	T052
ALM_60052	BV	217	Type 5	RO	A052
ALM_62054	BV	218	Type 5	RO	P054
ALM_61054	BV	219	Type 5	RO	T054
ALM_60054	BV	220	Type 5	RO	A054

BACnet Point List — PIC 6.0, Version 2.5 and Higher (cont)

OBJECT NAME	TYPE	INSTANCE	OPTION	POINT ACCESS	DESCRIPTION
ALM_62055	BV	221	Type 5	RO	P055
ALM_61055	BV	222	Type 5	RO	T055
ALM_60055	BV	223	Type 5	RO	A055
ALM_60057	BV	224	Type 5	RO	A057
ALM_61057	BV	225	Type 5	RO	T057
ALM_60058	BV	226	Type 5	RO	A058
ALM_61058	BV	227	Type 5	RO	T058
ALM_61072	BV	228	Type 5	RO	T072
ALM_61073	BV	229	Type 5	RO	T073
ALM_60073	BV	230	Type 5	RO	A073
ALM_60700	BV	231	Type 5	RO	A700
ALM_61706	BV	232	Type 5	RO	T706
ALM_60706	BV	233	Type 5	RO	A706
ALM_61075	BV	234	Type 5	RO	T075
ALM_60075	BV	235	Type 5	RO	A075
ALM_60710	BV	236	Type 5	RO	A710
ALM_61090	BV	237	Type 5	RO	T090
ALM_60090	BV	238	Type 5	RO	A090
ALM_61092	BV	240	Type 5	RO	T092
ALM_60092	BV	241	Type 5	RO	A092
ALM_60110	BV	243	Type 5	RO	A110
ALM_60120	BV	244	Type 5	RO	A120
ALM_61120	BV	245	Type 5	RO	T120
ALM_60121	BV	246	Type 5	RO	A121
ALM_61121	BV	247	Type 5	RO	T121
ALM_61122	BV	248	Type 5	RO	T122
ALM_61123	BV	249	Type 5	RO	T123
ALM_60126	BV	250	Type 5	RO	A126
ALM_61126	BV	251	Type 5	RO	T126
ALM_60127	BV	252	Type 5	RO	A127
ALM_61127	BV	253	Type 5	RO	T127
ALM_61128	BV	254	Type 5	RO	T128
ALM_60128	BV	255	Type 5	RO	A128
ALM_61069	BV	256	Type 5	RO	A069
ALM_60071	BV	257	Type 5	RO	A071
ALM_61425	BV	258	Type 5	RO	T425
ALM_61181	BV	259	Type 5	RO	T181
ALM_61426	BV	260	Type 5	RO	T426
ALM_61182	BV	261	Type 5	RO	T182
ALM_60140	BV	262	Type 5	RO	A140
ALM_60141	BV	263	Type 5	RO	A141
ALM_60142	BV	264	Type 5	RO	A142
ALM_60143	BV	265	Type 5	RO	A143
ALM_61102	BV	266	Type 5	RO	T102
ALM_61103	BV	267	Type 5	RO	T103
ALM_60104	BV	268	Type 5	RO	A104
ALM_60106	BV	269	Type 5	RO	A106
ALM_60107	BV	270	Type 5	RO	A107
ALM_60150	BV	271	Type 5	RO	A150
ALM_60151	BV	272	Type 5	RO	A151
ALM_61163	BV	273	Type 5	RO	T163 - Compressor Drive Warning
ALM_61164	BV	274	Type 5	RO	A164
ALM_60166	BV	275	Type 5	RO	A166
ALM_60167	BV	276	Type 5	RO	A167
ALM_60168	BV	277	Type 5	RO	A168
ALM_60169	BV	278	Type 5	RO	A169
ALM_60179	BV	279	Type 5	RO	A179
ALM_60175	BV	280	Type 5	RO	A175
ALM_61410	BV	281	Type 5	RO	T410
ALM_61411	BV	282	Type 5	RO	T411
ALM_61412	BV	283	Type 5	RO	T412

APPENDIX A — BACNET POINTS FOR 48/50LC*H (cont)

BACnet Point List — PIC 6.0, Version 2.5 and Higher (cont)

OBJECT NAME	TYPE	INSTANCE	OPTION	POINT ACCESS	DESCRIPTION
ALM_61094	BV	284	Type 5	RO	T094
ALM_61095	BV	285	Type 5	RO	T095
ALM_61096	BV	286	Type 5	RO	T096
ALM_61097	BV	287	Type 5	RO	T097
ALM_61300	BV	288	Type 5	RO	T300
ALM_61301	BV	289	Type 5	RO	T301
ALM_61302	BV	290	Type 5	RO	T302
ALM_61303	BV	291	Type 5	RO	T303
ALM_61304	BV	292	Type 5	RO	T304
ALM_61305	BV	293	Type 5	RO	T305
ALM_61308	BV	294	Type 5	RO	T308
ALM_61309	BV	295	Type 5	RO	T309
ALM_61312	BV	296	Type 5	RO	T312
ALM_61313	BV	297	Type 5	RO	T313
ALM_61314	BV	298	Type 5	RO	T314
ALM_61316	BV	299	Type 5	RO	T316
ALM_61317	BV	300	Type 5	RO	T317
ALM_61329	BV	301	Type 5	RO	T329 - Cir A Press Ratio Alert
ALM_60329	BV	302	Type 5	RO	A329 - Cir A Press Ratio Alarm
ALM_61330	BV	303	Type 5	RO	T330 - Cir B Press Ratio Alert
ALM_60330	BV	304	Type 5	RO	A330 - Cir B Press Ratio Alarm
ALM_61331	BV	305	Type 5	RO	T331
ALM_60331	BV	306	Type 5	RO	A331
ALM_61333	BV	307	Type 5	RO	T333
ALM_60333	BV	308	Type 5	RO	A333
ALM_61211	BV	309	Type 5	RO	T211
ALM_60211	BV	310	Type 5	RO	A211
ALM_61177	BV	311	Type 5	RO	T177
ALM_61178	BV	312	Type 5	RO	T178
ALM_61310	BV	313	Type 5	RO	T310
ALM_61311	BV	314	Type 5	RO	T311
ALM_60152	BV	315	Type 5	RO	A152
ALM_61190	BV	316	Type 5	RO	T190
ALM_60191	BV	317	Type 5	RO	A191
ALM_60195	BV	318	Type 5	RO	A195
ALM_60196	BV	319	Type 5	RO	A196
ALM_60184	BV	320	Type 5	RO	A184
ALM_60185	BV	321	Type 5	RO	A185
ALM_60186	BV	322	Type 5	RO	A186
ALM_60189	BV	323	Type 5	RO	A189
ALM_60190	BV	324	Type 5	RO	A190
ALM_60192	BV	325	Type 5	RO	A192
ALM_60193	BV	326	Type 5	RO	A193
ALM_60194	BV	327	Type 5	RO	A194
ALM_60197	BV	328	Type 5	RO	A197
ALM_60198	BV	329	Type 5	RO	A198
ALM_60199	BV	330	Type 5	RO	A199
ALM_60201	BV	331	Type 5	RO	A201
ALM_60627	BV	332	Type 5	RO	T627
ALM_60202	BV	333	Type 5	RO	A202
ALM_60203	BV	334	Type 5	RO	A203
ALM_60187	BV	335	Type 5	RO	A187
ALM_60188	BV	336	Type 5	RO	A188
ALM_61068	BV	337	Type 5	RO	T068
ALM_61074	BV	338	Type 5	RO	T074
ALM_61707	BV	339	Type 5	RO	T707
ALM_61421	BV	340	Type 5	RO	T421
ALM_61422	BV	341	Type 5	RO	T422
ALM_61423	BV	342	Type 5	RO	T423
ALM_61424	BV	343	Type 5	RO	T424
ALM_61434	BV	344	Type 5	RO	T434

BACnet Point List — PIC 6.0, Version 2.5 and Higher (cont)

OBJECT NAME	TYPE	INSTANCE	OPTION	POINT ACCESS	DESCRIPTION
ALM_60435	BV	345	Type 5	RO	A435
ALM_61435	BV	346	Type 5	RO	T435
ALM_61076	BV	347	Type 5	RO	T076
ALM_61077	BV	348	Type 5	RO	T077
ALM_61078	BV	349	Type 5	RO	T078
ALM_61082	BV	350	Type 5	RO	T082
ALM_61210	BV	351	Type 5	RO	T210
ALM_62210	BV	352	Type 5	RO	A2101
ALM_60210	BV	353	Type 5	RO	A210
ALM_61220	BV	354	Type 5	RO	T220
ALM_60220	BV	355	Type 5	RO	A220
ALM_61221	BV	356	Type 5	RO	T221
ALM_61245	BV	357	Type 5	RO	T245
ALM_61335	BV	358	Type 5	RO	T335
ALM_60436	BV	359	Type 5	RO	A436
ALM_60400	BV	360	Type 5	RO	A400
ALM_60404	BV	361	Type 5	RO	A404
ALM_60405	BV	362	Type 5	RO	T405
ALM_60406	BV	363	Type 5	RO	T406
ALM_60407	BV	364	Type 5	RO	T407
ALM_61415	BV	365	Type 5	RO	T415
ALM_61416	BV	366	Type 5	RO	T416
ALM_61408	BV	367	Type 5	RO	T408
ALM_61318	BV	368	Type 5	RO	T318
ALM_61319	BV	369	Type 5	RO	T319
ALM_61615	BV	370	Type 5	RO	T615
ALM_61616	BV	371	Type 5	RO	T616
ALM_61617	BV	372	Type 5	RO	T617
ALM_61414	BV	373	Type 5	RO	T414
ALM_61352	BV	374	Type 5	RO	T352
ALM_61045	BV	375	Type 5	RO	T045
ALM_60046	BV	376	Type 5	RO	A046
ALM_60047	BV	377	Type 5	RO	A047
ALM_60048	BV	378	Type 5	RO	A048
ALM_61047	BV	379	Type 5	RO	T047
ALM_61048	BV	380	Type 5	RO	T048
ALM_60228	BV	381	Type 5	RO	A228
ALM_61079	BV	382	Type 5	RO	T079
ALM_61080	BV	383	Type 5	RO	T080
ALM_61222	BV	384	Type 5	RO	T222
ALM_60222	BV	385	Type 5	RO	A222
ALM_61223	BV	386	Type 5	RO	T223
ALM_60223	BV	387	Type 5	RO	A223
ALM_61224	BV	388	Type 5	RO	T224
ALM_60224	BV	389	Type 5	RO	A224
ALM_60420	BV	390	Type 5	RO	A420
ALM_60200	BV	391	Type 5	RO	A200
ALM_61084	BV	392	Type 5	RO	T084
ALM_60083	BV	393	Type 5	RO	T083
ALM_60081	BV	394	Type 5	RO	T081
ALM_62437	BV	395	Type 5	RO	A437
ALM_61153	BV	396	Type 5	RO	T153
ALM_60154	BV	397	Type 5	RO	A154
ALM_61155	BV	398	Type 5	RO	T155
ALM_60156	BV	399	Type 5	RO	A156
ALM_60157	BV	400	Type 5	RO	A157
ALM_61350	BV	401	Type 5	RO	T350
ALM_61351	BV	402	Type 5	RO	T351
ALM_61320	BV	403	Type 5	RO	T320
ALM_61321	BV	404	Type 5	RO	T321
ALM_61062	BV	405	Type 5	RO	T062

APPENDIX A — BACNET POINTS FOR 48/50LC*H (cont)

BACnet Point List — PIC 6.0, Version 2.5 and Higher (cont)

OBJECT NAME	TYPE	INSTANCE	OPTION	POINT ACCESS	DESCRIPTION
ALM_61322	BV	406	Type 5	RO	T322
ALM_61323	BV	407	Type 5	RO	T323
ALM_62445	BV	408	Type 5	RO	A2445
ALM_63445	BV	409	Type 5	RO	A3445
ALM_61445	BV	410	Type 5	RO	A1445
ALM_60445	BV	411	Type 5	RO	A445
ALM_60433	BV	412	Type 5	RO	A433
ALM_60438	BV	413	Type 5	RO	A438
ALM_61112	BV	414	Type 5	RO	T112
ALM_61114	BV	415	Type 5	RO	T114
ALM_65000	BV	416	Type 5	RO	Y000
ALM_65001	BV	417	Type 5	RO	Y001
ALM_65002	BV	418	Type 5	RO	Y002
ALM_65003	BV	419	Type 5	RO	Y003
ALM_65004	BV	420	Type 5	RO	Y004
ALM_65005	BV	421	Type 5	RO	Y005
ALM_65006	BV	422	Type 5	RO	Y006
ALM_65007	BV	423	Type 5	RO	Y007
ALM_65008	BV	424	Type 5	RO	Y008
ALM_65009	BV	425	Type 5	RO	Y009
ALM_65010	BV	426	Type 5	RO	Y010
ALM_65011	BV	427	Type 5	RO	Y011
ALM_65012	BV	428	Type 5	RO	Y012
ALM_65013	BV	429	Type 5	RO	Y013
ALM_65014	BV	430	Type 5	RO	Y014
ALM_65015	BV	431	Type 5	RO	Y015
ALM_65016	BV	432	Type 5	RO	Y016
ALM_65017	BV	433	Type 5	RO	Y017
ALM_65018	BV	434	Type 5	RO	Y018
ALM_65019	BV	435	Type 5	RO	Y019
ALM_60629	BV	437	Type 5	RO	T629
ALM_61000	BV	438	Type 5	RO	0
ALM_61147	BV	439	Type 5	RO	T147
ALM_60129	BV	440	Type 5	RO	Low Compressor Ratio Ckt A
ALM_60130	BV	441	Type 5	RO	Low Compressor Ratio Ckt B
ALM_61109	BV	442	Type 5	RO	IDF VFD Bypass Active
ALM_61087	BV	443	Type 5	RO	Heat Capacity Limit Alert
ALM_61088	BV	444	Type 5	RO	Cool Capacity Limit Alert
DISCOUT_VSCA1_SS	BV	445	Type 4	RO	VSC A1 Safe Stop
ALM_60091	BV	446	Type 5	RO	A091
ALM_60093	BV	447	Type 5	RO	A093
LPALMEN	BV	448	Type 4	RW	Low Power Alarm Enable
ALM_60266	BV	449	Type 5	RO	A266
ALM_60267	BV	450	Type 5	RO	A267
ALM_60268	BV	451	Type 5	RO	A268
ALM_60269	BV	452	Type 5	RO	A269
ALM_61628	BV	453	Type 5	RO	OAD/RAD % Open Alarm
MDESTS_CIRCAMDN	MV	1	Type 5	RO	Circuit A Mode
MDESTS_CIRCBMDN	MV	2	Type 5	RO	Circuit B Mode
MDESTS_CMPA1MDN	MV	3	Type 5	RO	Comp A1 Mode
MDESTS_CMPA2MDN	MV	4	Type 5	RO	Comp A2 Mode
MDESTS_CMPB1MDN	MV	5	Type 5	RO	Comp B1 Mode
MDESTS_CMPB2MDN	MV	6	Type 5	RO	Comp B2 Mode
MDESTS_ODF1MDN	MV	7	Type 5	RO	CF 1 Mode
MDESTS_ODF2MDN	MV	8	Type 5	RO	CF 2 Mode
MDESTS_ODF3MDN	MV	9	Type 5	RO	CF 3 Mode
MDESTS_IDFMDNUM	MV	10	Type 5	RO	Indoor Fan Mode
MDESTS_HEATRMDN	MV	11	Type 5	RO	Heater Mode
MDESTS_ECONMNUM	MV	12	Type 5	RO	OAD Mode
STATES_CIRCASTN	MV	13	Type 5	RO	Circuit A State
STATES_CIRCBSTN	MV	14	Type 5	RO	Circuit B State

BACnet Point List — PIC 6.0, Version 2.5 and Higher (cont)

OBJECT NAME	TYPE	INSTANCE	OPTION	POINT ACCESS	DESCRIPTION
STATES_CMPA1STN	MV	15	Type 5	RO	Comp A1 State
STATES_CMPA2STN	MV	16	Type 5	RO	Comp A2 State
STATES_CMPB1STN	MV	17	Type 5	RO	Comp B1 State
STATES_CMPB2STN	MV	18	Type 5	RO	Comp B2 State
STATES_ODF1STN	MV	19	Type 5	RO	ODF A State
STATES_ODF2STN	MV	20	Type 5	RO	CF 2 State
STATES_ODF3STN	MV	21	Type 5	RO	CF 3 State
STATES_IDFNUM	MV	22	Type 5	RO	Indoor Fan State
STATES_RHTSTNUM	MV	23	Type 5	RO	HGRH State
STATES_HEATRSTN	MV	24	Type 5	RO	Heater State
STATES_ECONNUM	MV	25	Type 5	RO	OAD State
STATES_OCCSRNUM	MV	26	Type 5	RO	Occupancy Source
BACNET_ALC_COLOR	MV	27	Type 5	RO	Operation Status Color

LEGEND

AV — Analog Value
BV — Binary Value
MV — Multi-State Value
RO — Read Only
RW — Read/Write

APPENDIX B — BACNET, CCN NETWORK AND MODBUS POINTS FOR 48/50V

BACnet — 48/50V Units — PIC 6.0, Version 2.X

OBJECT NAME	TYPE	INSTANCE	OPTION	COV INC	POINT ACCESS	DESCRIPTION
AIRPRESS_RAP	AV	1	Type 6	0	RO	Return Air Pressure
AIRPRESS_SDP	AV	2	Type 6	0	RO	Supply Pressure (SP)
AIRPRESS_BP	AV	3	Type 6	0	RO	Building Pressure (BP)
AIRTEMP_SAT	AV	4	Type 6	0	RO	Supply Air Temp (SAT)
AIRTEMP_SATO	AV	5	Type 6	0	RO	Supply Air Temp Offset
AIRTEMP_RAT	AV	6	Type 6	0	RO	Return Air Temp (RAT)
AIRTEMP_SPT	AV	7	Type 6	0	RO	Space Temp (SPT)
AIRTEMP_SPTO	AV	8	Type 6	0	RO	Space Temp Offset
AIRTEMP_OAT	AV	9	Type 6	0	RO	Outside Air Temp (OAT)
AIRTEMP_MAT	AV	10	Type 6	0	RO	Mixed Air Temp (MAT)
AIRTEMP_EAT	AV	11	Type 6	0	RO	Exhaust Air Temp (EAT)
AIRTEMP_LST	AV	12	Type 6	0	RO	Staged Gas Limit Temp
AIRTEMP_LAT	AV	13	Type 6	0	RO	Staged Gas LAT
AIRTEMP_EFF_CP	AV	14	Type 6	0	RO	Effective Control Point
AIRTEMP_DXLAT	AV	15	Type 6	0	RO	Direct Expansion LAT
ALERTCFG_SPRHHL	AV	16	Type 6	0	RW	SPRH High Limit
ALERTCFG_SPRHLL	AV	17	Type 6	0	RW	SPRH Low Limit
ALERTCFG_SPTLLMTO	AV	18	Type 6	0	RW	SPT Low Occu Limit
ALERTCFG_SPTHLMTO	AV	19	Type 6	0	RW	SPT High Occu Limit
ALERTCFG_SPTLLMTU	AV	20	Type 6	0	RW	SPT Low Unoc Limit
ALERTCFG_SPTHLMTU	AV	21	Type 6	0	RW	SPT High Unoc Limit
ALERTCFG_SATLLMTO	AV	22	Type 6	0	RW	SAT Low Occu Limit
ALERTCFG_SATHLMTO	AV	23	Type 6	0	RW	SAT High Occu Limit
ALERTCFG_SATLLMTU	AV	24	Type 6	0	RW	SAT Low Unoc Limit
ALERTCFG_SATHLMTU	AV	25	Type 6	0	RW	SAT High Unoc Limit
ALERTCFG_RATLLMTO	AV	26	Type 6	0	RW	RAT Low Occu Limit
ALERTCFG_RATHLMTO	AV	27	Type 6	0	RW	RAT High Occu Limit
ALERTCFG_RATHLMTU	AV	28	Type 6	0	RW	RAT High Unoc Limit
ALERTCFG_RATLLMTU	AV	29	Type 6	0	RW	RAT Low Unoc Limit
ALERTCFG_RARH_LT	AV	30	Type 6	0	RW	RARH Low Limit
ALERTCFG_RARH_HT	AV	31	Type 6	0	RW	RARH High Limit
ALERTCFG_SP_LLMT	AV	32	Type 6	0	RW	SP Low Limit
ALERTCFG_SP_HLMT	AV	33	Type 6	0	RW	SP High Limit
ALERTCFG_BP_LLMT	AV	34	Type 6	0	RW	BP Low Limit
ALERTCFG_BP_HLMT	AV	35	Type 6	0	RW	BP High Limit
ALERTCFG_SAT_LTMP	AV	36	Type 6	0	RW	SAT Low Limit
ALERTCFG_SAT_HTMP	AV	37	Type 6	0	RW	SAT High Limit
ALERTCFG_OAT_LLMT	AV	38	Type 6	0	RW	OAT Low Limit
ALERTCFG_OAT_HLMT	AV	39	Type 6	0	RW	OAT High Limit
ALERTCFG_IAQ_HLMT	AV	40	Type 6	0	RW	IAQ High Limit
ALERTCFG_MAINFLT	AV	41	Type 6	0	RW	Pre-Filter Change Time
GENUNIT_PREFLTR_SRC	AV	42	Type 6	0	RW	Pre-Filter Source
GENUNIT_PREFLTR_LIM	AV	43	Type 6	0	RW	Pre-Filter Press Limit
ALERTCFG2_ERV_ALRT	AV	45	Type 6	0	RW	ERV Frost Alert Limit
UNITCFG_PG_SP_DB	AV	46	Type 6	0	RW	Prognostics SP Deadband
UNITCFG_PG_BP_DB	AV	47	Type 6	0	RW	Prognostics BP Deadband
ALERTCFG_HIGH_SST	AV	48	Type 6	0	RW	High SST Time
ALERTCFG_MINSUCA	AV	49	Type 6	0	RW	Min Suc Chg Cir A
ALERTCFG_MINDISA	AV	50	Type 6	0	RW	Min Disc Chg Cir A
ALERTCFG_MINSUCB	AV	51	Type 6	0	RW	Min Suc Chg Cir B
ALERTCFG_MINDISB	AV	52	Type 6	0	RW	Min Disc Chg Cir B
ALERTCFG_OFF_PRES	AV	53	Type 6	0	RW	Off Press Ratio
ALERTCFG_CMPCMD_T	AV	54	Type 6	0	RW	Compressor Cmd Time
ALERTCFG_OCFMSENS	AV	55	Type 6	0	RW	Outdoor Air CFM
ALERTCFG_ECMINCFM	AV	56	Type 6	0	RW	OAD Min CFM
OADCFG_FLTGAP	AV	57	Type 6	0	RW	OAD Fault Detect Gap
OADCFG_FLTTIME	AV	58	Type 6	0	RW	OAD Fault Detect Time
ALERTCFG_POSTFL	AV	59	Type 6	0	RW	Final Filter Reminder
ALERTCFG_CP_C_TH	AV	60	Type 6	0	RW	Comp Cycling Threshold
ALERTCFG_LSST4T	AV	61	Type 6	0	RW	Low SST 4Min Threshold
ALERTCFG_LSST2T	AV	62	Type 6	0	RW	Low SST 2Min Threshold
ALERTCFG_LSST1T	AV	63	Type 6	0	RW	Low SST 1Min Threshold
ALERTCFG_LSST20sT	AV	64	Type 6	0	RW	Low SST 20Sec Threshold
ALERTCFG_SSHALOW	AV	65	Type 6	0	RW	Low SSH A Alert
ALERTCFG_SSHAPLLO	AV	66	Type 6	0	RW	Low SSH A Part Load Alrt
ALERTCFG_SSHAFLLO	AV	67	Type 6	0	RW	Low SSH A Full Load Alrt

APPENDIX B — BACNET, CCN NETWORK AND MODBUS POINTS FOR 48/50V (cont)

BACnet — 48/50V Units — PIC 6.0, Version 2.X (cont)

OBJECT NAME	TYPE	INSTANCE	OPTION	COV INC	POINT ACCESS	DESCRIPTION
ALERTCFG_SSHBLOW	AV	68	Type 6	0	RW	Low SSH B Alert
ALERTCFG_SSHBPLLO	AV	69	Type 6	0	RW	Low SSH B Part Load Alrt
ALERTCFG_SSHBFLLO	AV	70	Type 6	0	RW	Low SSH B Full Load Alrt
ALERTCFG_LSSHTIME	AV	71	Type 6	0	RW	Low SSH Alert Time
ALERTCFG_LPRL	AV	72	Type 6	0	RW	Low Press Ratio Limit
LPRTIME	AV	73	Type 6	0	RW	Low Pressure Ratio Time
ALERTCFG_COFS_ACT	AV	74	Type 6	0	RW	COFS Action
ALERTCFG_COFS_TRP	AV	75	Type 6	0	RW	COFS Trips
ALERTCFG_COFS_TME	AV	76	Type 6	0	RW	COFS Time
ALERTCFG_OARADIFF	AV	77	Type 6	0	RW	T24 OA RA diff
ALERTCFG_SATMOVE	AV	78	Type 6	0	RW	T24 SAT Move Chk
ALERTCFG_SATCHNGE	AV	79	Type 6	0	RW	T24 Sat Change
ALERTCFG_MOVEDTEC	AV	80	Type 6	0	RW	T24 Move Detect
ALERTCFG_SASETTLE	AV	81	Type 6	0	RW	T24 SAT Settle
ALERTCFG_T24ECMIN	AV	82	Type 6	0	RW	T24 Econ Min Pos
ALERTCFG_T24ECMAX	AV	83	Type 6	0	RW	T24 Econ Max Pos
ALERTCFG_HCDELAY	AV	84	Type 6	0	RW	T24 Heat-Cool Delay
EFCFG_RAP_TH	AV	85	Type 6	0	RW	Ret Air Press Threshold
ALERTCFG_MSDPT	AV	86	Type 6	0	RW	Static Duct Press Limit
CMPSTKTM	AV	87	Type 6	0	RW	Compressor Stuck On Time
CMPFLRTM	AV	88	Type 6	0	RW	Compressor Failure Timer
HEATSINK_HSCTRLOF	AV	89	Type 6	0	RW	Heat Sink Ctrl Offset
HEATSINK_HSHTMPDB	AV	90	Type 6	0	RW	High Heat Sink Temp DB
HEATSINK_HSHTEMP	AV	91	Type 6	0	RW	High Heat Sink Temp
ANALGOUT_DAMPCMD	AV	92	Type 6	0	RO	OAD Command
ANALGOUT_DAMPCMD2	AV	93	Type 6	0	RO	RAD Cmd
ANALGOUT_HEATCMD	AV	94	Type 6	0	RO	Actual heat command
ANALGOUT_HMV	AV	95	Type 6	0	RO	HGRH Command
ANALGOUT_HMV2	AV	96	Type 6	0	RO	HGRH 2 Command
ANALGOUT_EFCMD	AV	97	Type 6	0	RO	Exhaust Fan Cmd
ANALGOUT_ERV_OAF	AV	98	Type 6	0	RO	ERV Outdoor Air Fan
ANALGOUT_CMPA1CMD	AV	99	Type 6	0	RO	Comp A1 Command
ANALGOUT_CMPA2CMD	AV	100	Type 6	0	RO	Comp A2 Command
ANALGOUT_CMPB1CMD	AV	101	Type 6	0	RO	Comp B1 Command
ANALGOUT_CMPB2CMD	AV	102	Type 6	0	RO	Comp B2 Command
ANALGOUT_IDFCMD	AV	103	Type 6	0	RO	IDF1 Control Command
ANALGOUT_ODF1CMD	AV	104	Type 6	0	RO	CF 1 Command
ANALGOUT_ODF2CMD	AV	105	Type 6	0	RO	CF 2 Command
ANALGOUT_ODF3CMD	AV	106	Type 6	0	RO	CF 3 Command
ANALGOUT_EXVA1CMD	AV	107	Type 6	0	RO	EXV A1 Cmd
ANALGOUT_EXVA2CMD	AV	108	Type 6	0	RO	EXV A2 Cmd
ANALGOUT_EXVB1CMD	AV	109	Type 6	0	RO	EXV B1 Cmd
ANALGOUT_EXVB2CMD	AV	110	Type 6	0	RO	EXV B2 Cmd
ANALOGIN_OACFM	AV	111	Type 6	0	RO	Outdoor Air CFM
ANALOGIN_OACFMRST	AV	112	Type 6	0	RO	Outdoor Air CFM Reset
ANALOGIN_OD3P_CMD	AV	113	Type 6	0	RO	OAD 3rd Party Modulation
ANALOGIN_EF3P_CMD	AV	114	Type 6	0	RO	EXF 3rd Party Modulation
ANALOGIN_SF3P_CMD	AV	115	Type 6	0	RO	IDF 3rd Party Modulation
ANALOGIN_IAQOPRST	AV	116	Type 6	0	RO	IAQ OAD Pos Reset
ANALOGIN_IAQ	AV	117	Type 6	0	RO	Indoor Air Quality
ANALOGIN_OAQ	AV	118	Type 6	0	RO	Outdoor Air Quality
ANALOGIN_OARH	AV	119	Type 6	0	RO	Outdoor Air RH (OARH)
AIRTEMP_OADP	AV	120	Type 6	0	RO	Outside Air Dew Point
ANALOGIN_RARH	AV	121	Type 6	0	RO	Return Air RH (RARH)
ANALOGIN_SARH	AV	122	Type 6	0	RO	Supply Air RH (SARH)
AIRTEMP_SADP	AV	123	Type 6	0	RO	Supply Air Dew Point
ANALOGIN_SPRH	AV	124	Type 6	0	RO	Space RH (SPRH)
ANALOGIN_MARH	AV	125	Type 6	0	RO	Mixed Air RH (MARH)
ANALOGIN_ZDP	AV	126	Type 6	0	RO	Zone Damper Position
ANALOGIN_DAMPPOS	AV	127	Type 6	0	RO	OAD Feedback
ANALOGIN_DAMPPOS2	AV	128	Type 6	0	RO	RAD Feedback
ANALOGIN_HMD	AV	129	Type 6	0	RO	HGRH Valve Feedback
ANALOGIN_HMD2	AV	130	Type 6	0	RO	HGRH Valve 2 Feedback
ANALOGIN_CMPA1SPD	AV	131	Type 6	0	RO	Comp A1 Speed
ANALOGIN_CMPA2SPD	AV	132	Type 6	0	RO	Comp A2 Speed
ANALOGIN_CMPB1SPD	AV	133	Type 6	0	RO	Comp B1 Speed
ANALOGIN_CMPB2SPD	AV	134	Type 6	0	RO	Comp B2 Speed
ANALOGIN_ODF1SPD	AV	135	Type 6	0	RO	CF 1 Speed

APPENDIX B — BACNET, CCN NETWORK AND MODBUS POINTS FOR 48/50V (cont)

BACnet — 48/50V Units — PIC 6.0, Version 2.X (cont)

OBJECT NAME	TYPE	INSTANCE	OPTION	COV INC	POINT ACCESS	DESCRIPTION
ANALOGIN_ODF2SPD	AV	136	Type 6	0	RO	CF 2 Speed
ANALOGIN_ODF3SPD	AV	137	Type 6	0	RO	CF 3 Speed
ANALOGIN_IDFSPD	AV	138	Type 6	0	RO	IDF Speed
ANALOGIN_IDFRPM	AV	139	Type 6	0	RO	IDF Speed RPM
ANALOGIN_EFSPD	AV	140	Type 6	0	RO	Exhaust Fan Speed
ANALOGIN_EXV_A1	AV	141	Type 6	0	RO	EXV A1
ANALOGIN_EXV_A2	AV	142	Type 6	0	RO	EXV A2
ANALOGIN_EXV_B1	AV	143	Type 6	0	RO	EXV B1
ANALOGIN_EXV_B2	AV	144	Type 6	0	RO	EXV B2
ANALOGIN_SPSR	AV	145	Type 6	0	RO	Static Pressure Stpt Rst
ANALOGIN_DLC	AV	146	Type 6	0	RO	Demand Limit Control
ANALOGIN_PFPD	AV	147	Type 6	0	RO	Pre Filt Press Drop
ANALOGIN_FFPD	AV	148	Type 6	0	RO	Final Filt Press Drop
ANALOGIN_OA_ENTH	AV	149	Type 6	0	RO	Outdoor Air Enthalpy
ANALOGIN_RA_ENTH	AV	150	Type 6	0	RO	Return Air Enthalpy
EMPTY_NOPOINT	AV	151	Type 6	0	RO	Menu is empty
COMMADDR_AUX1	AV	152	Type 6	0	RO	AUX
COMMADDR_NGC1	AV	153	Type 6	0	RO	NGC IOB 1
COMMADDR_PD4_EXV1	AV	154	Type 6	0	RO	PD4 EXV
COMMADDR_SIOB1	AV	155	Type 6	0	RO	SIOB 1
COMMADDR_SIOB2	AV	156	Type 6	0	RO	SIOB 2
COMMADDR_SIOB3	AV	157	Type 6	0	RO	SIOB 3
COMMADDR_SYSTEMVU	AV	158	Type 6	0	RO	ZIOB
COMMADDR_COMP_A1	AV	159	Type 6	0	RO	Compressor A1
COMMADDR_IDF_1	AV	160	Type 6	0	RO	Supply Fan 1
COMMADDR_IDF_2	AV	161	Type 6	0	RO	Supply Fan 2
COMMADDR_IDF_3	AV	162	Type 6	0	RO	Supply Fan 3
COMMADDR_IDF_4	AV	163	Type 6	0	RO	Supply Fan 4
COMMADDR_IDF_5	AV	164	Type 6	0	RO	Supply Fan 5
COMMADDR_IDF_6	AV	165	Type 6	0	RO	Supply Fan 6
COMMADDR_ODF_1	AV	166	Type 6	0	RO	ODF 1
COMMADDR_ODF_2	AV	167	Type 6	0	RO	ODF 2
COMMADDR_ODF_3	AV	168	Type 6	0	RO	ODF 3
COMMADDR_RF_1	AV	169	Type 6	0	RO	Return Fan 1
COMMADDR_RF_2	AV	170	Type 6	0	RO	Return Fan 2
COMMADDR_PWREXH_1	AV	171	Type 6	0	RO	Power Exhaust 1
COMMADDR_PWREXH_2	AV	172	Type 6	0	RO	Power Exhaust 2
LEN_status	AV	173	Type 6	0	RO	LEN SCAN Status
LEN_nb_message_10s	AV	174	Type 6	0	RO	Nbr of messges in 10 s
LEN_nb_nb_arh_busy_10s	AV	175	Type 6	0	RO	Nbr of ARH busy in 10 s
LEN_total_nb_arh_busy	AV	176	Type 6	0	RO	Number of ARH busy
LEN_total_nb_message	AV	177	Type 6	0	RO	Number of Message
LEN_total_nb_nack	AV	178	Type 6	0	RO	Number of NACK
LEN_total_nb_no_resp	AV	179	Type 6	0	RO	Number of no response
MODSCAN_status	AV	180	Type 6	0	RO	Modbus SCAN Status
MODSCAN_nb_message_10s	AV	181	Type 6	0	RO	Nbr of messges in 10 s
MODSCAN_total_nb_message	AV	182	Type 6	0	RO	Nbr of Messages
MODSCAN_total_nb_nack	AV	183	Type 6	0	RO	Number of NACK
MODSCAN_total_nb_no_resp	AV	184	Type 6	0	RO	Number of no response
MODSCAN_total_nb_rtry_fl	AV	185	Type 6	0	RO	Number of retry fails
COOLCFG_DEMAND	AV	186	Type 6	0	RW	Cool/Heat Demand Source
COOLCFG_SPLYDB	AV	187	Type 6	0	RW	Vent Deadband
COOLCFG_TPCTLRST	AV	188	Type 6	0	RW	SAT Reset Source
COOLCFG_RSTRTIO	AV	189	Type 6	0	RW	SAT Reset Ratio
COOLCFG_RSTLMIT	AV	190	Type 6	0	RW	SAT Reset Limit
COOLCFG_CLTREND	AV	191	Type 6	0	RW	Cool Trend Level
COOLCFG_CLTNDTM	AV	192	Type 6	0	RW	Cool Trend Time
COOLCFG_GAP_CLHT	AV	193	Type 6	0	RW	Cool Heat Gap Config
SERVICE_TCSTCOOL	AV	194	Type 6	0	RW	TC Start Cool Factor
COOLSTP_CLSP_OCC	AV	195	Type 6	0	RW	Occupied Cooling
COOLSTP_CLSP_UNO	AV	196	Type 6	0	RW	Unoccupied Cooling
COOLSTP_SALOCLSP	AV	197	Type 6	0	RW	Lo Cool SAT
COOLSTP_SAHICLSP	AV	198	Type 6	0	RW	Hi Cool SAT
COOLSTP_HODALCL	AV	199	Type 6	0	RW	100% OA Low Cool SAT
COOLSTP_HODAHCL	AV	200	Type 6	0	RW	100% OA High Cool SAT
COOLCFG_DOLOCLON	AV	201	Type 6	0	RW	Lo Cool On DB
COOLCFG_DOLOCLOF	AV	202	Type 6	0	RW	Lo Cool Off DB
COOLCFG_DOHICLON	AV	203	Type 6	0	RW	Hi Cool On DB

BACnet — 48/50V Units — PIC 6.0, Version 2.X (cont)

OBJECT NAME	TYPE	INSTANCE	OPTION	COV INC	POINT ACCESS	DESCRIPTION
COOLSTP_VAVCLSP	AV	204	Type 6	0	RW	VAV Cooling SAT
COOLCFG_DOVAVCON	AV	205	Type 6	0	RW	VAV Cool On DB
COOLCFG_DOVAVCOF	AV	206	Type 6	0	RW	VAV Cool Off DB
COOLSTP_SPLYAVSP	AV	207	Type 6	0	RW	Vent SAT
DHUMCFG_DMD_SRC	AV	208	Type 6	0	RW	Dehum Demand Source
DHUMCFG_DHMATLCK	AV	209	Type 6	0	RW	High MT Dehum Lockout
DHUMCFG_RHTOPTME	AV	210	Type 6	0	RW	HGRH Coil Open Time
DHUMCFG_RHTCLTME	AV	211	Type 6	0	RW	HGRH Coil Closed Time
DHUMCFG_CCBYPTME	AV	212	Type 6	0	RW	Con Coil Bypass Time
DHUMCFG_CCPRGPOS	AV	213	Type 6	0	RW	Cond Coil Purge Pos
DHUMCFG_CCPRGTME	AV	214	Type 6	0	RW	Cond Coil Purge Time
DHUMSTP_DHUMRHSP	AV	215	Type 6	0	RW	Dehum RH
DHUMCFG_RLOS_ON	AV	216	Type 6	0	RW	Dehum RH On DB
DHUMCFG_RLOS_OFF	AV	217	Type 6	0	RW	Dehum RH Off DB
DHUMSTP_CCTSTP	AV	218	Type 6	0	RW	Dehum CCT
DISCOUT_POWEXH1	AV	219	Type 6	0	RO	Power Exhaust Enable
DMDLMCFG_DMDLMSRC	AV	220	Type 6	0	RW	Demand Limit Source
DMDLMCFG_AICLSEL	AV	221	Type 6	0	RW	Analog Limit Mode
DMDLMCFG_CAPLMSRC	AV	222	Type 6	0	RW	Capacity Limit Source
COOLSTP_CLCAPSTP	AV	223	Type 6	0	RW	Max Cool Capacity
COOLSTP_CAPLIMS1	AV	224	Type 6	0	RW	Cool Capacity Limit S1
COOLSTP_CAPLIMS2	AV	225	Type 6	0	RW	Cool Capacity Limit S2
COOLSTP_DMDLIMS1	AV	226	Type 6	0	RW	Cool Demand Limit S1
COOLSTP_DMDLIMS2	AV	227	Type 6	0	RW	Cool Demand Limit S2
HEATSTP_HTCAPSTP	AV	228	Type 6	0	RW	Max Heat Capacity
HEATSTP_CAPLIMS1	AV	229	Type 6	0	RW	Heat Capacity Limit S1
HEATSTP_CAPLIMS2	AV	230	Type 6	0	RW	Heat Capacity Limit S2
HEATSTP_DMDLIMS1	AV	231	Type 6	0	RW	Heat Demand Limit S1
HEATSTP_DMDLIMS2	AV	232	Type 6	0	RW	Heat Demand Limit S2
COOLSTP_DMDRSTCL	AV	233	Type 6	0	RW	Dmd Reset Cool Adjust
HEATSTP_DMDRSTHT	AV	234	Type 6	0	RW	Dmd Reset Heat Adjust
EFCFG_CONTROL	AV	235	Type 6	0	RW	EXF Control Config
EFCFG_MINSPD	AV	236	Type 6	0	RW	EXF Min Speed
EFCFG_MAXSPD	AV	237	Type 6	0	RW	EXF Max Speed
EFCFG_SPEED1	AV	238	Type 6	0	RW	EXF Speed OAD Pos 1
EFCFG_SPEED2	AV	239	Type 6	0	RW	EXF Speed OAD Pos 2
EFCFG_DAMPPOS1	AV	240	Type 6	0	RW	EXF OAD Pos 1
EFCFG_DAMPPOS2	AV	241	Type 6	0	RW	EXF OAD Pos 2
EFCFG_PEOAD1	AV	242	Type 6	0	RW	EXF OAD Position 1
EFCFG_PEOAD2	AV	243	Type 6	0	RW	EXF OAD Position 2
EFCFG_PEOAD3	AV	244	Type 6	0	RW	EXF OAD Position 3
EFCFG_PEOAD4	AV	245	Type 6	0	RW	EXF OAD Position 4
EFCFG_PEOAD5	AV	246	Type 6	0	RW	EXF OAD Position 5
EFCFG_PEOAD6	AV	247	Type 6	0	RW	EXF OAD Position 6
EFCFG_EXFPURGE	AV	248	Type 6	0	RW	EXF Smoke Purge Speed
EFCFG_EXFEVAC	AV	249	Type 6	0	RW	EXF Evacuation Speed
EFSTP_EFBPSPT	AV	250	Type 6	0	RW	Building Pressure
EMAILCFG_Send	AV	251	Type 6	0	RW	Send Email option
EMAILCFG_portNbr	AV	252	Type 6	0	RW	Port Number
EMAILCFG_srvTim	AV	253	Type 6	0	RW	Server Timeout
EMAILCFG_attach_blackbox	AV	254	Type 6	0	RW	Attach Blackbox Log
EQUIPCFG_RESWEN	AV	255	Type 6	0	RW	Remote Input
EQUIPCFG_AUXRELAY	AV	256	Type 6	0	RW	Aux Relay
EQUIPCFG_SIO1AI10	AV	257	Type 6	0	RW	IAQ/OAD Input Config
OCCSTNDT	AV	258	Type 6	0	RW	Occupied Standby Time
UNITCFG_OCC_OT	AV	259	Type 6	0	RW	Occupancy Override Time
ERVCFG_CHKTYPE	AV	260	Type 6	0	RW	ERV Check Type
ERVCFG_TMPTOL	AV	261	Type 6	0	RW	ERV Temp Tolerance
ERVCFG_ENTTOL	AV	262	Type 6	0	RW	ERV Enthalpy Tolerance
ERVCFG_MAXBYPOP	AV	263	Type 6	0	RW	ERV Fan Max Bypass Open
ERVCFG_MAXBYPCL	AV	264	Type 6	0	RW	ERV Fan Max Bypass Close
ERVCFG_ERVMINPS	AV	265	Type 6	0	RW	ERV Fan Damper Min Pos
ERVCFG_WHMINPOS	AV	266	Type 6	0	RW	ERV Wheel-Minimum Pos
ERVCFG_ERVEFMIN	AV	267	Type 6	0	RW	ERV Wheel Exh Min Speed
ERVCFG_OFFTMPDB	AV	268	Type 6	0	RW	ERV Off Temp DB
ERVCFG_OFFENTDB	AV	269	Type 6	0	RW	ERV Off Enthalpy DB
EXVSTP_SupHtA1	AV	270	Type 6	0	RW	A1 Superheat Setpoint
EXVSTP_SupHtA2	AV	271	Type 6	0	RW	A2 Superheat Setpoint

APPENDIX B — BACNET, CCN NETWORK AND MODBUS POINTS FOR 48/50V (cont)

BACnet — 48/50V Units — PIC 6.0, Version 2.X (cont)

OBJECT NAME	TYPE	INSTANCE	OPTION	COV INC	POINT ACCESS	DESCRIPTION
EXVSTP_SupHtB1	AV	272	Type 6	0	RW	B1 Superheat Setpoint
EXVSTP_SupHtB2	AV	273	Type 6	0	RW	B2 Superheat Setpoint
EXVSTP_EXVSTA1	AV	274	Type 6	0	RW	A1 Start Pos
EXVSTP_EXVSTA2	AV	275	Type 6	0	RW	A2 Start Pos
EXVSTP_EXVSTB1	AV	276	Type 6	0	RW	B1 Start Pos
EXVSTP_EXVSTB2	AV	277	Type 6	0	RW	B2 Start Pos
FRECLCFG_CHNGSEL	AV	278	Type 6	0	RW	Changeover Select
FRECLCFG_DIFFENTH	AV	279	Type 6	0	RW	Diff Enthalpy Threshold
FRECLCFG_DRYBLBTH	AV	280	Type 6	0	RW	OAT Dry Bulb Threshold
FRECLCFG_DEWLIMTH	AV	281	Type 6	0	RW	OADP Threshold
FRECLCFG_DIFFDBTH	AV	282	Type 6	0	RW	Diff Dry Bulb Threshold
FRECLCFG_IAQOADRS	AV	283	Type 6	0	RW	IAQ Switch OAD Pos Reset
HCSTATUS_HEATREQ	AV	284	Type 6	0	RO	Heat Request from UI
HCSTATUS_SATCTLPT	AV	285	Type 6	0	RO	Supply Air Temp Cntrl Pt
HCSTATUS_CAPACT	AV	286	Type 6	0	RO	Cooling Capacity
IDFSTP_ZPSETPT	AV	287	Type 6	0	RO	Zone Pressure
IDFCFG_SDPRLMIT	AV	288	Type 6	0	RO	SP Reset Limit
GENUNIT_OCCUPIED	AV	289	Type 6	0	RO	Occupied
MDESTS_DMD_DET	AV	290	Type 6	0	RO	Demand Determination
MDESTS_OP_STATE	AV	291	Type 6	0	RO	Operational State
GENUNIT_HEATCOOL	AV	292	Type 6	0	RO	Heat/Cool status
RFGTEMP_CCT	AV	293	Type 6	0	RO	Cooling Coil Temp
BACNET_SCH_Objj	AV	294	Type 6	0	RO	Sched Linked BACnet Obj
BACNET_loc_occ	AV	295	Type 6	0	RO	Local Sched Occ Request
COOLSTP_HODACLSP	AV	296	Type 6	0	RO	100% OA Cool SAT
FILTER_STATUS	AV	297	Type 6	0	RO	Filter Status
SERVICE1_M_FILTER	AV	298	Type 6	0	RO	Pre-Filter Hours
RFGTEMP_SGT1	AV	299	Type 6	0	RO	Suction Gas Temp 1
RFGTEMP_DGTA	AV	300	Type 6	0	RO	Discharge Gas Temp A
HMZR_CONDPURG	AV	301	Type 6	0	RO	Humidizer Purge
DHUMSTP_DHUMSADP	AV	302	Type 6	0	RO	Dehum SADP
EQUIPCFG_FRZSWEN	AV	303	Type 6	0	RO	Freeze Switch
DMDLMCFG_DMDLMEN	AV	304	Type 6	0	RO	Demand Limit Enable
DMDLMCFG_DMDCPEN	AV	305	Type 6	0	RO	Capacity Limit Enable
HEATCFG_HEATTTDB	AV	306	Type 6	0	RW	Heat Tempered Cooling DB
HEATCFG_HTTREND	AV	307	Type 6	0	RW	Heat Trend Level
HEATCFG_HTTNDTM	AV	308	Type 6	0	RW	Heat Trend Time
HEATCFG_HT2DTG	AV	309	Type 6	0	RW	Heat 2Stage Dn Timeguard
HEATCFG_HT2UTG	AV	310	Type 6	0	RW	Heat 2Stage Up Timeguard
SERVICE_TCSTHEAT	AV	311	Type 6	0	RW	TC Start Heat Factor
HEATCFG_HEAT_FOD	AV	312	Type 6	0	RW	Heat Fan Off Delay Timer
HEATSTP_HTSP_OCC	AV	313	Type 6	0	RW	Occupied Heating
HEATSTP_HTSP_UNO	AV	314	Type 6	0	RW	Unoccupied Heating
HEATSTP_SALOHTSP	AV	315	Type 6	0	RW	Lo Heat SAT
HEATSTP_SAHIHTSP	AV	316	Type 6	0	RW	Hi Heat SAT
HEATSTP_HODALHT	AV	317	Type 6	0	RW	100% OA Low Heat SAT
HEATSTP_HODAHHT	AV	318	Type 6	0	RW	100% OA High Heat SAT
HEATCFG_DOLOHTON	AV	319	Type 6	0	RW	Lo Heat On DB
HEATCFG_DOLOHTOF	AV	320	Type 6	0	RW	Lo Heat Off DB
HEATCFG_DOHIHTON	AV	321	Type 6	0	RW	Hi Heat On DB
IDFCFG_OPSELECT	AV	322	Type 6	0	RW	IDF Control
IDFCFG_SAVTYPE	AV	323	Type 6	0	RW	SAV Mode Selection
IDFCFG_IDFMNSPD	AV	324	Type 6	0	RW	Indoor Fan Min Speed
IDFCFG_IDFMXSPD	AV	325	Type 6	0	RW	Indoor Fan Max Speed
IDFCFG_IDFCSPD1	AV	326	Type 6	0	RW	Lo Cool IDF Speed
IDFCFG_IDFMCSPD	AV	327	Type 6	0	RW	Med Cool IDF Speed
IDFCFG_IDFCSPD2	AV	328	Type 6	0	RW	Hi Cool IDF Speed
IDFCFG_SAVLCCTH	AV	329	Type 6	0	RW	SAV Low Cool Cap Thresh
IDFCFG_SAVMCCTH	AV	330	Type 6	0	RW	SAV Med Cool Cap Thresh
IDFCFG_SAVHCCTH	AV	331	Type 6	0	RW	SAV High Cool Cap Thresh
IDFCFG_IDFHSPD1	AV	332	Type 6	0	RW	Lo Heat IDF Speed
IDFCFG_IDFHSPD2	AV	333	Type 6	0	RW	Hi Heat IDF Speed
IDFCFG_IDFPURGE	AV	334	Type 6	0	RW	IDF PURGE Speed
IDFCFG_IDFPRESS	AV	335	Type 6	0	RW	IDF Pressurization Speed
IDFCFG_IDFEVAC	AV	336	Type 6	0	RW	IDF Evacuation Speed
IDFCFG_OCCUCFG	AV	337	Type 6	0	RW	Occupied Fan
IDFCFG_UNOCCFG	AV	338	Type 6	0	RW	Unoccupied Fan
IDFCFG_SDPRS	AV	339	Type 6	0	RW	SP Reset Source

APPENDIX B — BACNET, CCN NETWORK AND MODBUS POINTS FOR 48/50V (cont)

BACnet — 48/50V Units — PIC 6.0, Version 2.X (cont)

OBJECT NAME	TYPE	INSTANCE	OPTION	COV INC	POINT ACCESS	DESCRIPTION
IDFCFG_SDPRRTIO	AV	340	Type 6	0	RW	SP Reset Ratio
IDFCFG_SDPRTIME	AV	341	Type 6	0	RW	SDP Reset Time
IDFCFG_SDPRZDP	AV	342	Type 6	0	RW	SDP Reset ZDP Threshold
IDFSTP_CO2LVL	AV	343	Type 6	0	RW	CO2 Level
IDFSTP_DUCTSET	AV	344	Type 6	0	RW	Supply Pressure
IDFSTP_AIRFLOW	AV	345	Type 6	0	RW	Air Flow Setpoint
CMPASTS_BOOSTSTA	AV	346	Type 6	0	RO	Cir A VSC Boost State
ANALOGIN_SPRHNET	AV	347	Type 6	0	RW	Net SPRH
ANALOGIN_RARHNET	AV	348	Type 6	0	RW	Net RARH
ANALOGIN_OACFMNET	AV	349	Type 6	0	RW	Net Outdoor Air CFM
ANALOGIN_OCFMRNET	AV	350	Type 6	0	RW	Net OA CFM Reset
ANALOGIN_IAQORNET	AV	351	Type 6	0	RW	Net IAQ OAD Pos Reset
AIRPRESS_BPNET	AV	352	Type 6	0	RW	Net Building Pressure
ANALOGIN_EF3P_NET	AV	353	Type 6	0	RW	Net 3rd Party EXF
ANALOGIN_OD3P_NET	AV	354	Type 6	0	RW	Net 3rd Party OAD
ANALOGIN_SF3P_NET	AV	355	Type 6	0	RW	Net 3rd Party IDF
ANALOGIN_OAQNET	AV	356	Type 6	0	RW	Net Outdoor Air Quality
ANALOGIN_IAQNET	AV	357	Type 6	0	RW	Net Indoor Air Quality
ANALOGIN_IAQRNET	AV	358	Type 6	0	RW	Net IAQ Reset
AIRPRESS_SDP_NET	AV	359	Type 6	0	RW	Network Supply Pressure
AIRTEMP_SPTNET	AV	360	Type 6	0	RW	Net SPT
AIRTEMP_SPTONET	AV	361	Type 6	0	RW	Net Space Temp Offset
AIRTEMP_OATNET	AV	362	Type 6	0	RW	Net OAT
GENUNIT_NETOCC	AV	363	Type 6	0	RW	Network Occupancy
ANALOGIN_SPSR_NET	AV	364	Type 6	0	RW	Net SP Reset
ANALOGIN_ZDPNET	AV	365	Type 6	0	RW	Net Zone Damper Position
OCCSBNET	AV	366	Type 6	0	RW	Occupied Standby Net
ZS_OCCSB	AV	367	Type 6	0	RW	Occupied Standby ZS
OADCFG_ECONCTRL	AV	368	Type 6	0	RW	Ventilation Control
OADCFG_IAQOCFG	AV	369	Type 6	0	RW	IAQ Override Conf
OADCFG_MINPOS	AV	370	Type 6	0	RW	OAD Min Position
OADCFG_MAXPOS	AV	371	Type 6	0	RW	OAD Max Position
OADCFG_MINOADCP	AV	372	Type 6	0	RW	Min OAD Control Point
OADCFG_OADEVAC	AV	373	Type 6	0	RW	OAD Smoke Evac Speed
IDFCFG_VENTSPD1	AV	374	Type 6	0	RW	IDF Vent Speed 1
IDFCFG_VENTSPD2	AV	375	Type 6	0	RW	IDF Vent Speed 2
IDFCFG_VENTSPD3	AV	376	Type 6	0	RW	IDF Vent Speed 3
IDFCFG_VENTSPD4	AV	377	Type 6	0	RW	IDF Vent Speed 4
OADCFG_OADPOS1	AV	378	Type 6	0	RW	OA Damper Vent Pos 1
OADCFG_OADPOS2	AV	379	Type 6	0	RW	OA Damper Vent Pos 2
OADCFG_OADPOS3	AV	380	Type 6	0	RW	OA Damper Vent Pos 3
OADCFG_OADPOS4	AV	381	Type 6	0	RW	OA Damper Vent Pos 4
OADCFG_IAQRESET	AV	382	Type 6	0	RW	IAQ Reset Source
OADCFG_IAQOTH	AV	383	Type 6	0	RW	IAQ Override Threshold
OADCFG_IAQODB	AV	384	Type 6	0	RW	IAQ Override Deadband
OADCFG_IAQOPOS	AV	385	Type 6	0	RW	IAQ Override Position
OADCFG_IAQPDUR	AV	386	Type 6	0	RW	IAQ Purge Duration
OADCFG_IAQPLOCK	AV	387	Type 6	0	RW	IAQ Purge Lockout
OADCFG_IAQPRGLL	AV	388	Type 6	0	RW	IAQ Purge OAT Lo Lockout
OADCFG_IAQPRGHL	AV	389	Type 6	0	RW	IAQ Purge OAT Hi Lockout
OADCFG_IAQPLOTP	AV	390	Type 6	0	RW	IAQ Purge Lo Temp Pos
OADCFG_IAQPHITP	AV	391	Type 6	0	RW	IAQ Purge Hi Temp Pos
OADCFG_IAQCFMRS	AV	392	Type 6	0	RW	IAQ OA CFM Reset
OADCFG_PRGSHORT	AV	393	Type 6	0	RW	Purge Short Duration
OADCFG_PRGLONG	AV	394	Type 6	0	RW	Purge Long Duration
FRECLCFG_ODAIRQTH	AV	395	Type 6	0	RW	OAQ Lockout
OADCFG_OABPOREN	AV	396	Type 6	0	RW	Bld Pressure Override En
OADCFG_OABPORTH	AV	397	Type 6	0	RW	Bld Pressure Threshold
OADCFG_OABPORDB	AV	398	Type 6	0	RW	Bld Pressure Deadband
OADCFG_CFMSP	AV	399	Type 6	0	RW	OACFM Setpoint
RFGPRESS_SPA	AV	400	Type 6	0	RO	Cir A Suction Pressure
RFGPRESS_SPB	AV	401	Type 6	0	RO	Cir B Suction Pressure
RFGPRESS_DPA	AV	402	Type 6	0	RO	Cir A Discharge Pressure
RFGPRESS_DPB	AV	403	Type 6	0	RO	Cir B Discharge Pressure
RFGTEMP_SSTA	AV	404	Type 6	0	RO	Saturated Suction A
RFGTEMP_SSTB	AV	405	Type 6	0	RO	Saturated Suction B
RFGTEMP_SDTA	AV	406	Type 6	0	RO	Saturated Discharge CirA
RFGTEMP_SDTB	AV	407	Type 6	0	RO	Saturated Discharge CirB

APPENDIX B — BACNET, CCN NETWORK AND MODBUS POINTS FOR 48/50V (cont)

BACnet — 48/50V Units — PIC 6.0, Version 2.X (cont)

OBJECT NAME	TYPE	INSTANCE	OPTION	COV INC	POINT ACCESS	DESCRIPTION
RFGTEMP_SSHA1	AV	408	Type 6	0	RO	A1 Superheat Temp
RFGTEMP_SSHA2	AV	409	Type 6	0	RO	A2 Superheat Temp
RFGTEMP_SSHB1	AV	410	Type 6	0	RO	B1 Superheat Temp
RFGTEMP_SSHB2	AV	411	Type 6	0	RO	B2 Superheat Temp
RFGTEMP_SGTA1	AV	412	Type 6	0	RO	Suction Gas Temp Cir A1
RFGTEMP_SGTA2	AV	413	Type 6	0	RO	Suction Gas Temp Cir A2
RFGTEMP_SGTB1	AV	414	Type 6	0	RO	Suction Gas Temp Cir B1
RFGTEMP_SGTB2	AV	415	Type 6	0	RO	Suction Gas Temp Cir B2
RFGTEMP_OILTSMPA	AV	416	Type 6	0	RO	Oil Sump Temp
RUNTIME_COMPA1RT	AV	417	Type 6	0	RO	Comp A1 Minutes
RUNTIME_COMPA1SC	AV	418	Type 6	0	RO	Comp A1 Start Count
RUNTIME_COMPA1RC	AV	419	Type 6	0	RO	Comp A1 Reset Count
RUNTIME_COMPA2RT	AV	420	Type 6	0	RO	Comp A2 Minutes
RUNTIME_COMPA2SC	AV	421	Type 6	0	RO	Comp A2 Start Count
RUNTIME_COMPA2RC	AV	422	Type 6	0	RO	Comp A2 Reset Count
RUNTIME_COMPB1RT	AV	423	Type 6	0	RO	Comp B1 Minutes
RUNTIME_COMPB1SC	AV	424	Type 6	0	RO	Comp B1 Start Count
RUNTIME_COMPB1RC	AV	425	Type 6	0	RO	Comp B1 Reset Count
RUNTIME_COMPB2RT	AV	426	Type 6	0	RO	Comp B2 Minutes
RUNTIME_COMPB2SC	AV	427	Type 6	0	RO	Comp B2 Start Count
RUNTIME_COMPB2RC	AV	428	Type 6	0	RO	Comp B2 Reset Count
RUNTIME_CND1_RT	AV	429	Type 6	0	RO	CF 1 Minutes
RUNTIME_CND1_SC	AV	430	Type 6	0	RO	CF 1 Start Count
RUNTIME_CND1_RC	AV	431	Type 6	0	RO	CF 1 Reset Count
RUNTIME_CND2_RT	AV	432	Type 6	0	RO	CF 2 Minutes
RUNTIME_CND2_SC	AV	433	Type 6	0	RO	CF 2 Start Count
RUNTIME_CND2_RC	AV	434	Type 6	0	RO	CF 2 Reset Count
RUNTIME_CND3_RT	AV	435	Type 6	0	RO	CF 3 Minutes
RUNTIME_CND3_SC	AV	436	Type 6	0	RO	CF 3 Start Count
RUNTIME_CND3_RC	AV	437	Type 6	0	RO	CF 3 Reset Count
RUNTIME_IDF_RT	AV	438	Type 6	0	RO	Indoor Fan Minutes
RUNTIME_IDF_SC	AV	439	Type 6	0	RO	Indoor Fan Start Count
RUNTIME_IDF_RC	AV	440	Type 6	0	RO	Indoor Fan Reset Count
RUNTIME_EFAN_RT	AV	441	Type 6	0	RO	Exhaust Fan Minutes
RUNTIME_EFAN_SC	AV	442	Type 6	0	RO	Exhaust Fan Start Count
RUNTIME_EFAN_RC	AV	443	Type 6	0	RO	Exhaust Fan Reset Count
RUNTIME_SHEAT_RT	AV	444	Type 6	0	RO	Heat Minutes
RUNTIME_SHEAT_SC	AV	445	Type 6	0	RO	Heat Start Count
RUNTIME_SHEAT_RC	AV	446	Type 6	0	RO	Heat Reset Count
RUNTIME_HMVLV_RT	AV	447	Type 6	0	RO	HGRH Valve Minutes
RUNTIME_HMVLV_SC	AV	448	Type 6	0	RO	HGRH Valve Start Count
RUNTIME_HMVLV_RC	AV	449	Type 6	0	RO	HGRH Valve Reset Count
RUNTIME_DAMP_RT	AV	450	Type 6	0	RO	OAD Minutes
RUNTIME_DAMP_SC	AV	451	Type 6	0	RO	OAD Start Count
RUNTIME_DAMP_RC	AV	452	Type 6	0	RO	OAD Reset Count
RUNTIME_CCHRA_RT	AV	453	Type 6	0	RO	CCH A Minutes
RUNTIME_CCHRA_SC	AV	454	Type 6	0	RO	CCH A Start Count
RUNTIME_CCHRA_RC	AV	455	Type 6	0	RO	CCH A Reset Count
RUNTIME_CCHRB_RT	AV	456	Type 6	0	RO	CCH B Minutes
RUNTIME_CCHRB_SC	AV	457	Type 6	0	RO	CCH B Start Count
RUNTIME_CCHRB_RC	AV	458	Type 6	0	RO	CCH B Reset Count
RUNTIME_OILACYSC	AV	459	Type 6	0	RO	Oil Cir A Count
RUNTIME_OILBCYSC	AV	460	Type 6	0	RO	Oil Cir B Count
CMPASTS_OILRECAC	AV	461	Type 6	0	RO	Oil Recovery Actv Cir A
CMPASTS_ORTMLFTA	AV	462	Type 6	0	RO	Cir A Oil Rec Time Left
CMPBSTS_OILRECAC	AV	463	Type 6	0	RO	Oil Recovery Actv Cir B
CMPBSTS_ORTMLFTB	AV	464	Type 6	0	RO	Cir B Oil Rec Time Left
RUNTIME_HUMPUSC	AV	465	Type 6	0	RO	Humdimizer Cycle Cnt
GENUINIT_FILT_RT	AV	466	Type 6	0	RO	Filter Minutes
SERVICE_MAXOACFM	AV	467	Type 6	0	RW	OACFM Sensor Max Range
SERVICE1_HTTOCL	AV	468	Type 6	0	RW	Heat to Cool Guard
SERVICE1_CLTOHT	AV	469	Type 6	0	RW	Cool to Heat Guard
SERVICE1_ZDORCAP	AV	470	Type 6	0	RW	ZDOR Heat Cap Thresh
COOLCFG_CCHTHA	AV	471	Type 6	0	RW	CCH A OAT Lockout
COOLCFG_CCHTHB	AV	472	Type 6	0	RW	CCH B OAT Lockout
FRECLCFG_FCOOL_TG	AV	473	Type 6	0	RW	Free Cool Timeguard
COOLSTP_CMPMAXA1	AV	474	Type 6	0	RW	Cmp Nominal Spd Max A1
COOLSTP_CMPMINA1	AV	475	Type 6	0	RW	Cmp Nominal Spd Min A1

APPENDIX B — BACNET, CCN NETWORK AND MODBUS POINTS FOR 48/50V (cont)

BACnet — 48/50V Units — PIC 6.0, Version 2.X (cont)

OBJECT NAME	TYPE	INSTANCE	OPTION	COV INC	POINT ACCESS	DESCRIPTION
COOLSTP_CMPMAXA2	AV	476	Type 6	0	RW	Cmp Nominal Spd Max A2
COOLSTP_CMPMINA2	AV	477	Type 6	0	RW	Cmp Nominal Spd Min A2
COOLSTP_CMPMAXB1	AV	478	Type 6	0	RW	Cmp Nominal Spd Max B1
COOLSTP_CMPMINB1	AV	479	Type 6	0	RW	Cmp Nominal Spd Min B1
COOLSTP_CMPMAXB2	AV	480	Type 6	0	RW	Cmp Nominal Spd Max B2
COOLSTP_CMPMINB2	AV	481	Type 6	0	RW	Cmp Nominal Spd Min B2
COOLCFG_SATLO_DB	AV	482	Type 6	0	RW	SAT Lo Deadband
COOLCFG_SATHI_DB	AV	483	Type 6	0	RW	SAT High Deadband
DHUMCFG_DHUMMODE	AV	484	Type 6	0	RW	Dehum Control Mode
COOLCFG_SCT_HLIM	AV	485	Type 6	0	RW	SCT High Limit
COOLCFG_SCT_LLIM	AV	486	Type 6	0	RW	SCT Low Limit
DHUMCFG_RHMINPOS	AV	487	Type 6	0	RW	HGRH Valve Min Pos
DHUMCFG_RHMAXPOS	AV	488	Type 6	0	RW	HGRH Valve Max Pos
DHUMCFG_RHSTART	AV	489	Type 6	0	RW	HGRH Start Pos
DHUMCFG_RHTIME	AV	490	Type 6	0	RW	HGRH Startup Time
SERVICE1_CMPMATL	AV	491	Type 6	0	RW	Comp MAT Lockout
SERVICE1_CMPOATL	AV	492	Type 6	0	RW	Comp OAT Lock
CNDSTP_SDTTEMP1	AV	493	Type 6	0	RW	SDT Setpoint 1
CNDSTP_SDTTEMP2	AV	494	Type 6	0	RW	SDT Setpoint 2
CNDSTP_SDTTEMP3	AV	495	Type 6	0	RW	SDT Setpoint 3
COOLCFG_CFSPDMN1	AV	496	Type 6	0	RW	CF Speed MIN
COOLCFG_CFSPDMX1	AV	497	Type 6	0	RW	CF Speed MAX
COOLCFG_CFSTSPD1	AV	498	Type 6	0	RW	CF User Start Speed
SERVICE1_SVTESTMT	AV	499	Type 6	0	RW	Test Mode Timeout
SERVICE_NETINTO	AV	500	Type 6	0	RW	Network Input Timeout
SERVICE_LLAGCFG	AV	501	Type 6	0	RW	Lead Lag Config
SERVICE_RCYCLIM	AV	502	Type 6	0	RW	Recycle Limit
SERVICE_RCYCDB	AV	503	Type 6	0	RW	Recycle DB
DHUMCFG_OILLOWTH	AV	504	Type 6	0	RW	Oil Recov Low Thld
DHUMCFG_OILHITH	AV	505	Type 6	0	RW	Oil Recov High Thld
DHUMCFG_OILTIME	AV	506	Type 6	0	RW	Dehum Oil Recov Time
FACTORY_OILRHLDT	AV	507	Type 6	0	RW	Oil Recovery Hold Time
FACTORY_OILRECSP	AV	508	Type 6	0	RW	Oil Recovery Speed
FACTORY_OILTIME1	AV	509	Type 6	0	RW	Oil Recovery Time 1
FACTORY_OILTIME2	AV	510	Type 6	0	RW	Oil Recovery Time 2
FACTORY_LOWOILA	AV	511	Type 6	0	RW	Low Oil Threshold A
FACTORY_LOWOILB	AV	512	Type 6	0	RW	Low Oil Threshold B
FACTORY_LOWOILTM	AV	513	Type 6	0	RW	Oil Threshold Timer
FACTORY_OILRSTLM	AV	514	Type 6	0	RW	Oil Threshold Reset Lim
FACTORY_LOWOILRT	AV	515	Type 6	0	RW	Low Oil Reset Threshold
STATES_MINTILOC	AV	516	Type 6	0	RO	Time Until Next Occupied
LABONLY_CAPAPCT	AV	517	Type 6	0	RO	System Capacity Req %
LABONLY_CAPACT	AV	518	Type 6	0	RO	System Capacity Act %
CMPA1STS_LOADREQ	AV	519	Type 6	0	RO	Load Request Comp A1
CMPA2STS_LOADREQ	AV	520	Type 6	0	RO	Load Request Comp A2
CMPB1STS_LOADREQ	AV	521	Type 6	0	RO	Load Request Comp B1
CMPB2STS_LOADREQ	AV	522	Type 6	0	RO	Load Request Comp B2
OUTPUTS_EXVA1OBJ	AV	523	Type 6	0	RO	EXV A1 Objective
OUTPUTS_EXVA2OBJ	AV	524	Type 6	0	RO	EXV A2 Objective
OUTPUTS_EXVB1OBJ	AV	525	Type 6	0	RO	EXV B1 Objective
OUTPUTS_EXVB2OBJ	AV	526	Type 6	0	RO	EXV B2 Objective
COOLSTP_ACTV_SP	AV	527	Type 6	0	RO	SAT Setpt
CMPASTS_SSTENVMN	AV	528	Type 6	0	RO	SST Env Min CirA
CMPASTS_SSTENVMX	AV	529	Type 6	0	RO	SST Env Max CirA
CMPASTS_SDTENVMN	AV	530	Type 6	0	RO	SDT Env Min CirA
CMPASTS_SDTENVMX	AV	531	Type 6	0	RO	SDT Env Max CirA
CMPBSTS_SSTENVMN	AV	532	Type 6	0	RO	SST Env Min Cir B
CMPBSTS_SSTENVMX	AV	533	Type 6	0	RO	SST Env Max Cir B
CMPBSTS_SDTENVMN	AV	534	Type 6	0	RO	SDT Env Min Cir B
CMPBSTS_SDTENVMX	AV	535	Type 6	0	RO	SDT Env Max Cir B
CMPASTS_SSTABSMN	AV	536	Type 6	0	RO	SST Abs Min CirA
CMPASTS_SSTABSMX	AV	537	Type 6	0	RO	SST Abs Max CirA
CMPASTS_SDTABSMN	AV	538	Type 6	0	RO	SDT Abs Min Cir A
CMPASTS_SDTABSMX	AV	539	Type 6	0	RO	SDT Abs Max Cir A
CMPBSTS_SSTABSMN	AV	540	Type 6	0	RO	SST Abs Min Cir B
CMPBSTS_SSTABSMX	AV	541	Type 6	0	RO	SST Abs Max Cir B
CMPBSTS_SDTABSMN	AV	542	Type 6	0	RO	SDT Abs Min Cir B
CMPBSTS_SDTABSMX	AV	543	Type 6	0	RO	SDT Abs Max Cir B

BACnet — 48/50V Units — PIC 6.0, Version 2.X (cont)

OBJECT NAME	TYPE	INSTANCE	OPTION	COV INC	POINT ACCESS	DESCRIPTION
LAB_SSHCMDA1	AV	544	Type 6	0	RO	EXVA1 SSHCMD
LAB_SSHSTPA1	AV	545	Type 6	0	RO	EXVA1 SSHSTPT
LAB_SSHCMDA2	AV	546	Type 6	0	RO	EXVA2 SSHCMD
LAB_SSHSTPA2	AV	547	Type 6	0	RO	EXVA2 SSHSTPT
LAB_SSHCMDB1	AV	548	Type 6	0	RO	EXVB1 SSHCMD
LAB_SSHSTPB1	AV	549	Type 6	0	RO	EXVB1 SSHSTPT
LAB_SSHCMDB2	AV	550	Type 6	0	RO	EXVB2 SSHCMD
LAB_SSHSTPB2	AV	551	Type 6	0	RO	EXVB2 SSHSTPT
LAB_DSTKPA1	AV	552	Type 6	0	RO	EXVA1 DST KP
LAB_DSTTIA1	AV	553	Type 6	0	RO	EXVA1 DST TI
LAB_SSHKPA1	AV	554	Type 6	0	RO	EXVA1 SSH KP
LAB_SSHTIA1	AV	555	Type 6	0	RO	EXVA1 SSH TI
LAB_DSTKPA2	AV	556	Type 6	0	RO	EXVA2 DST KP
LAB_DSTTIA2	AV	557	Type 6	0	RO	EXVA2 DST TI
LAB_SSHKPA2	AV	558	Type 6	0	RO	EXVA2 SSH KP
LAB_SSHTIA2	AV	559	Type 6	0	RO	EXVA2 SSH TI
LAB_DSTKPB1	AV	560	Type 6	0	RO	EXVB1 DST KP
LAB_DSTTIB1	AV	561	Type 6	0	RO	EXVB1 DST TI
LAB_SSHKPB2	AV	562	Type 6	0	RO	EXVB2 SSH KP
LAB_SSHTIB2	AV	563	Type 6	0	RO	EXVB2 SSH TI
LABONLY_DHUM_REQ	AV	564	Type 6	0	RO	Dehum Request
LAB_SDTTARG	AV	565	Type 6	0	RO	SDT Target
LAB_SATCTLPT	AV	566	Type 6	0	RO	SAT Control Point
GENUNIT_SMAXCCAP	AV	567	Type 6	0	RO	Sys Max Cool Cap
GENUNIT_SMAXHCAP	AV	568	Type 6	0	RO	Sys Max Heat Cap
LAB_OACFMCP	AV	569	Type 6	0	RO	OA CFM Control Point
home_screen_id	AV	571	Type 6	0	RO	Current home screen ID
BACNET_ALC_PRIME	AV	573	Type 6	0	RO	Value of Prime variable
EQUIPCFG_SIO3DI7	AV	574	Type 6	0	RW	Select IAQ or OAQ Switch
LPALMHYS	AV	575	Type 6	0	RW	Low Power Hysteresis(mS)
ALARMRST_RST_ALM	BV	1	Type 4	0	RW	Alarm Reset
UNITCFG_PG_SP_EN	BV	2	Type 4	0	RW	Prognostics SP Enable
UNITCFG_PG_BP_EN	BV	3	Type 4	0	RW	Prognostics BP Enable
ALERTCFG_LOCK_OUT	BV	4	Type 4	0	RW	Lockout Notification
ALERTCFG_T24ENAB	BV	5	Type 4	0	RW	T24 Diagnostic
IDFFDBK_STATUS	BV	6	Type 4	0	RO	IDF Feedback Status
COOLCFG_TMPDVNT	BV	7	Type 4	0	RW	Cool Tempered Venting
SVCOUT_CMTRNDAC	BV	8	Type 4	0	RW	Cool Comfort Trending
DHUMCFG_UNOCENAB	BV	9	Type 4	0	RW	Unoccupied Dehum
DHUMCFG_SUPPHEAT	BV	10	Type 4	0	RW	Supplemental Heat
DHUMCFG_DHUMVENT	BV	11	Type 4	0	RW	Vent/None Dehum
DHUMCFG_DHUMVAV	BV	12	Type 4	0	RW	VAV Cool Dehum
DHUMCFG_DHUMHICL	BV	13	Type 4	0	RW	High Cool Dehum
DHUMCFG_DHUMLOCL	BV	14	Type 4	0	RW	Low Cool Dehum
DHUMCFG_DHUMHIHT	BV	15	Type 4	0	RW	High Heat Dehum
DHUMCFG_DHUMLOHT	BV	16	Type 4	0	RW	Low Heat Dehum
OADCFG_OADHUMEN	BV	17	Type 4	0	RW	OA Dehum Enable
DHUMCFG_OFDHUMEN	BV	18	Type 4	0	RW	Occupied Free Dehum
DHUMCFG_UFDHUMEN	BV	19	Type 4	0	RW	Unoccupied Free Dehum
DISCIN_TSTAT_G	BV	20	Type 4	0	RO	Indoor Fan Input (G)
DISCIN_TSTAT_Y1	BV	21	Type 4	0	RO	Lo Cool Input (Y1)
DISCIN_TSTAT_Y2	BV	22	Type 4	0	RO	Hi Cool Input (Y2)
DISCIN_TSTAT_W1	BV	23	Type 4	0	RO	Lo Heat Input (W1)
DISCIN_TSTAT_W2	BV	24	Type 4	0	RO	Hi Heat Input (W2)
DISCIN_FIRESW	BV	25	Type 4	0	RO	Fire Shutdown Switch
DISCIN_SMOKESW	BV	26	Type 4	0	RO	Smoke Detector
DISCIN_SMKPRGSW	BV	27	Type 4	0	RO	Smoke Purge Switch
DISCIN_PMR_STAT	BV	28	Type 4	0	RO	Phase Monitor
DISCIN_SHTDWNSW	BV	29	Type 4	0	RO	Shutdown Switch
DISCIN_FILTSTAT	BV	30	Type 4	0	RO	Filter Switch
DISCIN_IDF_LSM	BV	31	Type 4	0	RO	Indoor Fan Limit Switch
DISCIN_HT_ALARM	BV	32	Type 4	0	RO	Heat Alarm
DISCIN_CNDOSW	BV	33	Type 4	0	RO	COFS
DISCIN_DEHUMSW	BV	34	Type 4	0	RO	Dehumidify Switch
DISCIN_CMPFBKA1	BV	35	Type 4	0	RO	Comp A1 Feedback
DISCIN_CMPFBKA2	BV	36	Type 4	0	RO	Comp A2 Feedback
DISCIN_CMPFBKB1	BV	37	Type 4	0	RO	Comp B1 Feedback
DISCIN_CMPFBKB2	BV	38	Type 4	0	RO	Comp B2 Feedback

APPENDIX B — BACNET, CCN NETWORK AND MODBUS POINTS FOR 48/50V (cont)

BACnet — 48/50V Units — PIC 6.0, Version 2.X (cont)

OBJECT NAME	TYPE	INSTANCE	OPTION	COV INC	POINT ACCESS	DESCRIPTION
DISCIN_HPSA	BV	39	Type 4	0	RO	Cir A HPS Switch
DISCIN_HPSB	BV	40	Type 4	0	RO	Cir B HPS Switch
DISCIN_RESW	BV	41	Type 4	0	RO	Remote Switch
DISCIN_ERV_FRST	BV	42	Type 4	0	RO	ERV Frost Indicator
DISCIN_WHEEL_ST	BV	43	Type 4	0	RO	ERV Motion Sensor
DISCIN_ERVFSS	BV	44	Type 4	0	RO	ERV OD Filt Stat Switch
DISCIN_DLS1	BV	45	Type 4	0	RO	DemandLimSwitch1
DISCIN_DLS2	BV	46	Type 4	0	RO	DemandLimSwitch2
DISCIN_IGCFANSW	BV	47	Type 4	0	RO	IGC IDF Switch
DISCIN_PFPSS	BV	48	Type 4	0	RO	Pre Filter Switch
DISCIN_PRESSSW	BV	49	Type 4	0	RO	Fire Press Switch
DISCIN_EVACSW	BV	50	Type 4	0	RO	Smoke Evac Switch
DISCIN_FRZSW	BV	51	Type 4	0	RO	Hydronic Freeze Switch
DISCIN_PPSS	BV	52	Type 4	0	RO	Pressure Safety
DISCIN_IAQSW	BV	53	Type 4	0	RO	IAQ Switch
DISCIN_OAQSW	BV	54	Type 4	0	RO	OAQ Switch
DISCIN_ODENTHSW	BV	55	Type 4	0	RO	Outdoor Enthalpy
DISCIN_ENEGPRES	BV	56	Type 4	0	RO	OAD Neg Pressure
DISCIN_VSOLSWA	BV	57	Type 4	0	RO	VS Oil Level Switch A
DISCIN_INRFGLK	BV	58	Type 4	0	RO	Indoor RFG Sensor ALM
DISCIN_OUTRFGLK	BV	59	Type 4	0	RO	Outdoor RFG Sensor ALM
DISCOUT_CPA1	BV	60	Type 4	0	RO	Compressor A1
DISCOUT_CMPRELA1	BV	61	Type 4	0	RO	Comp A1 Modulation RLY
DISCOUT_CPA2	BV	62	Type 4	0	RO	Compressor A2
DISCOUT_CMPRELA2	BV	63	Type 4	0	RO	Comp A2 Modulation RLY
DISCOUT_CPB1	BV	64	Type 4	0	RO	Compressor B1
DISCOUT_CPB2	BV	65	Type 4	0	RO	Compressor B2
DISCOUT_IDFBYREL	BV	66	Type 4	0	RO	IDF VFD Bypass Relay
DISCOUT_ODF1	BV	67	Type 4	0	RO	CF 1 Relay
DISCOUT_ODF2	BV	68	Type 4	0	RO	CF 2 Relay
DISCOUT_ODF3	BV	69	Type 4	0	RO	CF 3 Relay
DISCOUT_CCHRA	BV	70	Type 4	0	RO	CCH A
DISCOUT_CCHRB	BV	71	Type 4	0	RO	CCH B
DISCOUT_HMS	BV	72	Type 4	0	RO	Reheat 3-way valve
DISCOUT_RH3PRLY	BV	73	Type 4	0	RO	3rd Party Reheat Relay
DISCOUT_ERVWHEEL	BV	74	Type 4	0	RO	ERV Wheel
DISCOUT_STGHEAT1	BV	75	Type 4	0	RO	Heat Enable 1
DISCOUT_STGHEAT2	BV	76	Type 4	0	RO	Heat Enable 2
DISCOUT_STGHEAT3	BV	77	Type 4	0	RO	Heat Enable 3
DISCOUT_STGHEAT4	BV	78	Type 4	0	RO	Heat Enable 4
DISCOUT_STGHEAT5	BV	79	Type 4	0	RO	Heat Enable 5
DISCOUT_STGHEAT6	BV	80	Type 4	0	RO	Heat Enable 6
DISCOUT_BYP_DAMP	BV	81	Type 4	0	RO	ERV Bypass Damper
DISCOUT_ZDOR	BV	82	Type 4	0	RO	Zone Damper Override RLY
DISCOUT_ALMOUT	BV	83	Type 4	0	RO	Alarm
DISCOUT_HIR	BV	84	Type 4	0	RO	Heat Interlock Relay
DISCOUT_HMFR	BV	85	Type 4	0	RO	Humidifier
DISCOUT_HRR	BV	86	Type 4	0	RO	Heat Reclaim
DISCOUT_PEA	BV	87	Type 4	0	RO	Power Exh A
DISCOUT_PEB	BV	88	Type 4	0	RO	Power Exh B
DISCOUT_PEC	BV	89	Type 4	0	RO	Power Exh C
DISCOUT_AUTOADDR	BV	90	Type 4	0	RO	Fan Auto Address
DMDLMCFG_DLSWSEN	BV	91	Type 4	0	RW	Demand Switch Enable
OCCSB_EN	BV	92	Type 4	0	RW	Occupied Standby Enable
EQUIPCFG_DMDLIM	BV	93	Type 4	0	RW	Demand/Capacity Anlg In
EQUIPCFG_SMOKEEN	BV	94	Type 4	0	RW	Smoke Detector
EQUIPCFG_TSTATEN	BV	95	Type 4	0	RW	Thermostat
EQUIPCFG_HUMSWEN	BV	96	Type 4	0	RW	Humidistat
EQUIPCFG_FILTSWEN	BV	97	Type 4	0	RW	Pre-Filter Switch
EQUIPCFG_PMREN	BV	98	Type 4	0	RW	Phase Monitor
EQUIPCFG_SHTDWNEN	BV	99	Type 4	0	RW	Emergency Shutdown En
EQUIPCFG_ZDOREN	BV	100	Type 4	0	RW	ZDOR
EQUIPCFG_ALARMEN	BV	101	Type 4	0	RW	Alarm Output
EQUIPCFG_EATEN	BV	102	Type 4	0	RW	EAT Sensor
EQUIPCFG_OACFMEN	BV	103	Type 4	0	RW	OACFM Sensor
EQUIPCFG_IDFVFDBY	BV	104	Type 4	0	RW	IDF VFD Bypass
EQUIPCFG_SF3PEN	BV	105	Type 4	0	RW	IDF 3rd Party Mod
EQUIPCFG_SPSREN	BV	106	Type 4	0	RW	SPSR Sensor

BACnet — 48/50V Units — PIC 6.0, Version 2.X (cont)

OBJECT NAME	TYPE	INSTANCE	OPTION	COV INC	POINT ACCESS	DESCRIPTION
EQUIPCFG_EF3PEN	BV	107	Type 4	0	RW	EXF 3rd Party Mod
EQUIPCFG_RH3PEN	BV	108	Type 4	0	RW	3rd Party Reheat Enable
EQUIPCFG_OAD3PEN	BV	109	Type 4	0	RW	OAD 3rd Party Mod
EQUIPCFG_ERVEN	BV	110	Type 4	0	RW	ERV
EQUIPCFG_ERVOAFEN	BV	111	Type 4	0	RW	ERV OAF
EQUIPCFG_ERVBYPEN	BV	112	Type 4	0	RW	ERV Bypass Damper
EQUIPCFG_FIRESWEN	BV	113	Type 4	0	RW	Fire Switch
EQUIPCFG_EVACEN	BV	114	Type 4	0	RW	Evacuation Switch
EQUIPCFG_PRESSEN	BV	115	Type 4	0	RW	Pressurization Switch
EQUIPCFG_EFEN	BV	116	Type 4	0	RW	Exhaust Fan
EQUIPCFG_ECONEN	BV	117	Type 4	0	RW	Economizer (OAD)
EQUIPCFG_HT1EN	BV	118	Type 4	0	RW	Heat Stage 1 Relay
EQUIPCFG_HT2EN	BV	119	Type 4	0	RW	Heat Stage 2 Relay
EQUIPCFG_HT3EN	BV	120	Type 4	0	RW	Heat Stage 3 Relay
EQUIPCFG_HT4EN	BV	121	Type 4	0	RW	Heat Stage 4 Relay
EQUIPCFG_DMDRSTEN	BV	122	Type 4	0	RW	Demand Reset Switch
EQUIPCFG_CONDEN	BV	123	Type 4	0	RW	COFS
EQUIPCFG_ENTHSWEN	BV	124	Type 4	0	RW	Enthalpy Switch
EQUIPCFG_IAQOREN	BV	125	Type 4	0	RW	IAQ-OD Pos Reset Enable
EQUIPCFG_OAQSWEN	BV	126	Type 4	0	RW	OAQ Switch
EQUIPCFG_IAQSWEN	BV	127	Type 4	0	RW	IAQ Switch
EXVSTP_SETPTENB	BV	128	Type 4	0	RW	User Setpoint Enable
EXVSTP_EXVSTENB	BV	129	Type 4	0	RW	Manual Start Pos Enable
FRECLCFG_FREECLEN	BV	130	Type 4	0	RW	Occ Free Cool
FRECLCFG_UFC	BV	131	Type 4	0	RW	Unocc Free Cooling
FRECLCFG_DRYBLB	BV	132	Type 4	0	RW	Dry Bulb Chngeover (OAT)
FRECLCFG_DEWLIM	BV	133	Type 4	0	RW	OADP Limit Check
HEATCFG_HTMPDVNT	BV	134	Type 4	0	RW	Heat Tempered Venting
HEATCFG_HTTEMPCL	BV	135	Type 4	0	RW	Heat Tempered Cooling
SVCOUT_CMTRNDAH	BV	136	Type 4	0	RW	Add Heat Comfort Trend
HEATCFG_HEAT_EBL	BV	137	Type 4	0	RW	Morning Warmup Only
MDESTS_ERVCHECK	BV	138	Type 4	0	RO	ERV Check Status
MDESTS_DHUMPURG	BV	139	Type 4	0	RO	Reheat Oil Purge
LINK_ACT	BV	140	Type 4	0	RO	Linkage Active
NETIN_Y1_NET	BV	141	Type 4	0	RW	Network Y1
NETIN_Y2_NET	BV	142	Type 4	0	RW	Network Y2
NETIN_W1_NET	BV	143	Type 4	0	RW	Network W1
NETIN_W2_NET	BV	144	Type 4	0	RW	Network W2
NETIN_G_NET	BV	145	Type 4	0	RW	Network G
NETIN_HSTATNET	BV	146	Type 4	0	RW	Network HSTAT
FRECLCFG_ODAIRQ	BV	147	Type 4	0	RW	OAQ Check
OADCFG_IAQSBVEN	BV	148	Type 4	0	RW	IAQ Vent Standby Demand
OADCFG_IAQPOP	BV	149	Type 4	0	RW	IAQ Pre-Occ Purge
RESET_RT_CMPA1	BV	150	Type 4	0	RW	Reset Comp A1 Min/Starts
RESET_RT_CMPA2	BV	151	Type 4	0	RW	Reset Comp A2 Min/Starts
RESET_RT_CMPB1	BV	152	Type 4	0	RW	Reset Comp B1 Min/Starts
RESET_RT_CMPB2	BV	153	Type 4	0	RW	Reset Comp B2 Min/Starts
RESET_RT_CND1	BV	154	Type 4	0	RW	Reset CF 1 Min/Starts
RESET_RT_CND2	BV	155	Type 4	0	RW	Reset CF 2 Min/Starts
RESET_RT_CND3	BV	156	Type 4	0	RW	Reset CF 3 Min/Starts
RESET_RT_CNDA	BV	157	Type 4	0	RW	Reset CF A Min/Starts
RESET_RT_CNDB	BV	158	Type 4	0	RW	Reset CF B Min/Starts
RESET_RT_IDF	BV	159	Type 4	0	RW	Reset IDF Min/Starts
RESET_RT_EFAN	BV	160	Type 4	0	RW	Reset EXF Min/Starts
RESET_RT_CCHA	BV	161	Type 4	0	RW	Reset CCH A Min/Starts
RESET_RT_CCHB	BV	162	Type 4	0	RW	Reset CCH B Min/Starts
RESET_RT_CCH	BV	163	Type 4	0	RW	Reset CCH Min/Starts
RESET_RT_DAMP	BV	164	Type 4	0	RW	Reset OAD Min/Starts
RESET_RT_STGHEAT	BV	165	Type 4	0	RW	Reset Heat Min/Starts
RESET_RT_HMZRVLV	BV	166	Type 4	0	RW	Reset HGRH Min/Starts
GENUNIT_FLTR_RST	BV	167	Type 4	0	RW	Reset Filter Hours
RESET_RT_OILCYCLA	BV	168	Type 4	0	RW	Reset Oil Cnt Cir A
RESET_RT_OILCYCLB	BV	169	Type 4	0	RW	Reset OilCnt Cir B
RESET_RT_HUMPURC	BV	170	Type 4	0	RW	Reset Humidimer Cnt
CNDSTP_SDTStpEn	BV	171	Type 4	0	RW	SDT Setpoint Enable
CNDSTP_SPDStpEN	BV	172	Type 4	0	RW	CF User Start Spd Enab
SERVICE_DISABLEM	BV	173	Type 4	0	RW	Service Lock Out
COOLCFG_LCRCO	BV	174	Type 4	0	RW	Low Cap Req Comp On

BACnet — 48/50V Units — PIC 6.0, Version 2.X (cont)

OBJECT NAME	TYPE	INSTANCE	OPTION	COV INC	POINT ACCESS	DESCRIPTION
COOLCFG_VSCFS_OR	BV	175	Type 4	0	RW	VSC Fixed Speed Override
STATES_OKTOFRCL	BV	176	Type 4	0	RO	Free Cooling Available
MDESTS_MODETCST	BV	177	Type 4	0	RO	Temp Compensated Start
STATES_PURGEACT	BV	178	Type 4	0	RO	Pre-Occ Purge State
OCCSB	BV	179	Type 4	0	RO	Occupied Standby
STATES_OKTOFDHM	BV	180	Type 4	0	RO	Free Dehum Status
SWTCHCFG_HTALMINV	BV	181	Type 4	0	RW	Heat Alarm/Limit Switch
SWTCHCFG_CNDSWINV	BV	182	Type 4	0	RW	Condensate Ovrflw Switch
SWTCHCFG_SMKSWINV	BV	183	Type 4	0	RW	Smoke Detector
SWTCHCFG_IDFSWINV	BV	184	Type 4	0	RW	Indoor Fan Limit Switch
SWTCHCFG_HPSAINV	BV	185	Type 4	0	RW	High Pressure Switch
SWTCHCFG_TSTGINV	BV	186	Type 4	0	RW	Thermostat G
SWTCHCFG_TSTY1INV	BV	187	Type 4	0	RW	Thermostat Y1
SWTCHCFG_TSTY2INV	BV	188	Type 4	0	RW	Thermostat Y2
SWTCHCFG_DHMSWINV	BV	189	Type 4	0	RW	Humidistat Switch
SWTCHCFG_TSTW1INV	BV	190	Type 4	0	RW	Thermostat W1
SWTCHCFG_TSTW2INV	BV	191	Type 4	0	RW	Thermostat W2
SWTCHCFG_FLTSWINV	BV	192	Type 4	0	RW	Filter Status Switch
SWTCHCFG_RESWINV	BV	193	Type 4	0	RW	Remote Input
SWTCHCFG_PMRSWINV	BV	194	Type 4	0	RW	Phase Monitor
SWTCHCFG_FRESWINV	BV	195	Type 4	0	RW	Fire Shutdown
SWTCHCFG_FRSTINV	BV	196	Type 4	0	RW	ERV Frost Indication
SWTCHCFG_WHLSTINV	BV	197	Type 4	0	RW	ERV Wheel Motion Sensor
SWTCHCFG_HTENINV	BV	198	Type 4	0	RW	Heat Enable
SWTCHCFG_DORINV	BV	199	Type 4	0	RW	Damper Override Relay
SWTCHCFG_CMPA1INV	BV	200	Type 4	0	RW	Compressor A1
SWTCHCFG_CMPA2INV	BV	201	Type 4	0	RW	Compressor A2
SWTCHCFG_CCHRAINV	BV	202	Type 4	0	RW	Crankcase Heater A
SWTCHCFG_PEENINV	BV	203	Type 4	0	RW	EXF Enable
SWTCHCFG_EVBYPINV	BV	204	Type 4	0	RW	ERV Bypass Damper
SWTCHCFG_ERVINV	BV	205	Type 4	0	RW	ERV Wheel
SWTCHCFG_ALARMINV	BV	206	Type 4	0	RW	Alarm Relay
UNITCFG_AUTRST	BV	207	Type 4	0	RW	Auto Restart
LABONLY_SYSON	BV	208	Type 4	0	RO	System On
ALM_61413	BV	209	Type 5	0	RO	T413
ALM_61085	BV	210	Type 5	0	RO	T085
ALM_61086	BV	211	Type 5	0	RO	T086
ALM_62051	BV	212	Type 5	0	RO	P051
ALM_61051	BV	213	Type 5	0	RO	T051
ALM_60051	BV	214	Type 5	0	RO	A051
ALM_62052	BV	215	Type 5	0	RO	P052
ALM_61052	BV	216	Type 5	0	RO	T052
ALM_60052	BV	217	Type 5	0	RO	A052
ALM_62054	BV	218	Type 5	0	RO	P054
ALM_61054	BV	219	Type 5	0	RO	T054
ALM_60054	BV	220	Type 5	0	RO	A054
ALM_62055	BV	221	Type 5	0	RO	P055
ALM_61055	BV	222	Type 5	0	RO	T055
ALM_60055	BV	223	Type 5	0	RO	A055
ALM_60057	BV	224	Type 5	0	RO	A057
ALM_61057	BV	225	Type 5	0	RO	T057
ALM_60058	BV	226	Type 5	0	RO	A058
ALM_61058	BV	227	Type 5	0	RO	T058
ALM_61072	BV	228	Type 5	0	RO	T072
ALM_61073	BV	229	Type 5	0	RO	T073
ALM_60073	BV	230	Type 5	0	RO	A073
ALM_60700	BV	231	Type 5	0	RO	A700
ALM_61706	BV	232	Type 5	0	RO	T706
ALM_60706	BV	233	Type 5	0	RO	A706
ALM_61075	BV	234	Type 5	0	RO	T075
ALM_60075	BV	235	Type 5	0	RO	A075
ALM_60710	BV	236	Type 5	0	RO	A710
ALM_61090	BV	237	Type 5	0	RO	T090
ALM_60090	BV	238	Type 5	0	RO	A090
ALM_61092	BV	240	Type 5	0	RO	T092
ALM_60092	BV	241	Type 5	0	RO	A092
ALM_60110	BV	243	Type 5	0	RO	A110
ALM_60120	BV	244	Type 5	0	RO	A120

BACnet — 48/50V Units — PIC 6.0, Version 2.X (cont)

OBJECT NAME	TYPE	INSTANCE	OPTION	COV INC	POINT ACCESS	DESCRIPTION
ALM_61120	BV	245	Type 5	0	RO	T120
ALM_60121	BV	246	Type 5	0	RO	A121
ALM_61121	BV	247	Type 5	0	RO	T121
ALM_61122	BV	248	Type 5	0	RO	T122
ALM_61123	BV	249	Type 5	0	RO	T123
ALM_60126	BV	250	Type 5	0	RO	A126
ALM_61126	BV	251	Type 5	0	RO	T126
ALM_60127	BV	252	Type 5	0	RO	A127
ALM_61127	BV	253	Type 5	0	RO	T127
ALM_61128	BV	254	Type 5	0	RO	T128
ALM_60128	BV	255	Type 5	0	RO	A128
ALM_61069	BV	256	Type 5	0	RO	A069
ALM_60071	BV	257	Type 5	0	RO	A071
ALM_61425	BV	258	Type 5	0	RO	T425
ALM_61181	BV	259	Type 5	0	RO	T181
ALM_61426	BV	260	Type 5	0	RO	T426
ALM_61182	BV	261	Type 5	0	RO	T182
ALM_60140	BV	262	Type 5	0	RO	A140
ALM_60141	BV	263	Type 5	0	RO	A141
ALM_60142	BV	264	Type 5	0	RO	A142
ALM_60143	BV	265	Type 5	0	RO	A143
ALM_61102	BV	266	Type 5	0	RO	T102
ALM_61103	BV	267	Type 5	0	RO	T103
ALM_60104	BV	268	Type 5	0	RO	A104
ALM_60106	BV	269	Type 5	0	RO	A106
ALM_60107	BV	270	Type 5	0	RO	A107
ALM_60150	BV	271	Type 5	0	RO	A150
ALM_60151	BV	272	Type 5	0	RO	A151
ALM_61163	BV	273	Type 5	0	RO	T163 - Compressor Drive Warning
ALM_61164	BV	274	Type 5	0	RO	A164
ALM_60166	BV	275	Type 5	0	RO	A166
ALM_60167	BV	276	Type 5	0	RO	A167
ALM_60168	BV	277	Type 5	0	RO	A168
ALM_60169	BV	278	Type 5	0	RO	A169
ALM_60179	BV	279	Type 5	0	RO	A179
ALM_60175	BV	280	Type 5	0	RO	A175
ALM_61410	BV	281	Type 5	0	RO	T410
ALM_61411	BV	282	Type 5	0	RO	T411
ALM_61412	BV	283	Type 5	0	RO	T412
ALM_61094	BV	284	Type 5	0	RO	T094
ALM_61095	BV	285	Type 5	0	RO	T095
ALM_61096	BV	286	Type 5	0	RO	T096
ALM_61097	BV	287	Type 5	0	RO	T097
ALM_61300	BV	288	Type 5	0	RO	T300
ALM_61301	BV	289	Type 5	0	RO	T301
ALM_61302	BV	290	Type 5	0	RO	T302
ALM_61303	BV	291	Type 5	0	RO	T303
ALM_61304	BV	292	Type 5	0	RO	T304
ALM_61305	BV	293	Type 5	0	RO	T305
ALM_61308	BV	294	Type 5	0	RO	T308
ALM_61309	BV	295	Type 5	0	RO	T309
ALM_61312	BV	296	Type 5	0	RO	T312
ALM_61313	BV	297	Type 5	0	RO	T313
ALM_61314	BV	298	Type 5	0	RO	T314
ALM_61316	BV	299	Type 5	0	RO	T316
ALM_61317	BV	300	Type 5	0	RO	T317
ALM_61329	BV	301	Type 5	0	RO	T329 - Cir A Press Ratio Alert
ALM_60329	BV	302	Type 5	0	RO	A329 - Cir A Press Ratio Alarm
ALM_61330	BV	303	Type 5	0	RO	T330 - Cir B Press Ratio Alert
ALM_60330	BV	304	Type 5	0	RO	A330 - Cir B Press Ratio Alarm
ALM_61331	BV	305	Type 5	0	RO	T331
ALM_60331	BV	306	Type 5	0	RO	A331
ALM_61333	BV	307	Type 5	0	RO	T333
ALM_60333	BV	308	Type 5	0	RO	A333
ALM_61211	BV	309	Type 5	0	RO	T211
ALM_60211	BV	310	Type 5	0	RO	A211
ALM_61177	BV	311	Type 5	0	RO	T177
ALM_61178	BV	312	Type 5	0	RO	T178

APPENDIX B — BACNET, CCN NETWORK AND MODBUS POINTS FOR 48/50V (cont)

BACnet — 48/50V Units — PIC 6.0, Version 2.X (cont)

OBJECT NAME	TYPE	INSTANCE	OPTION	COV INC	POINT ACCESS	DESCRIPTION
ALM_61310	BV	313	Type 5	0	RO	T310
ALM_61311	BV	314	Type 5	0	RO	T311
ALM_60152	BV	315	Type 5	0	RO	A152
ALM_61190	BV	316	Type 5	0	RO	T190
ALM_60191	BV	317	Type 5	0	RO	A191
ALM_60195	BV	318	Type 5	0	RO	A195
ALM_60196	BV	319	Type 5	0	RO	A196
ALM_60184	BV	320	Type 5	0	RO	A184
ALM_60185	BV	321	Type 5	0	RO	A185
ALM_60186	BV	322	Type 5	0	RO	A186
ALM_60189	BV	323	Type 5	0	RO	A189
ALM_60190	BV	324	Type 5	0	RO	A190
ALM_60192	BV	325	Type 5	0	RO	A192
ALM_60193	BV	326	Type 5	0	RO	A193
ALM_60194	BV	327	Type 5	0	RO	A194
ALM_60197	BV	328	Type 5	0	RO	A197
ALM_60198	BV	329	Type 5	0	RO	A198
ALM_60199	BV	330	Type 5	0	RO	A199
ALM_60201	BV	331	Type 5	0	RO	A201
ALM_60627	BV	332	Type 5	0	RO	T627
ALM_60202	BV	333	Type 5	0	RO	A202
ALM_60203	BV	334	Type 5	0	RO	A203
ALM_60187	BV	335	Type 5	0	RO	A187
ALM_60188	BV	336	Type 5	0	RO	A188
ALM_61068	BV	337	Type 5	0	RO	T068
ALM_61074	BV	338	Type 5	0	RO	T074
ALM_61707	BV	339	Type 5	0	RO	T707
ALM_61421	BV	340	Type 5	0	RO	T421
ALM_61422	BV	341	Type 5	0	RO	T422
ALM_61423	BV	342	Type 5	0	RO	T423
ALM_61424	BV	343	Type 5	0	RO	T424
ALM_61434	BV	344	Type 5	0	RO	T434
ALM_60435	BV	345	Type 5	0	RO	A435
ALM_61435	BV	346	Type 5	0	RO	T435
ALM_61076	BV	347	Type 5	0	RO	T076
ALM_61077	BV	348	Type 5	0	RO	T077
ALM_61078	BV	349	Type 5	0	RO	T078
ALM_61082	BV	350	Type 5	0	RO	T082
ALM_61210	BV	351	Type 5	0	RO	T210
ALM_62210	BV	352	Type 5	0	RO	A2101
ALM_60210	BV	353	Type 5	0	RO	A210
ALM_61220	BV	354	Type 5	0	RO	T220
ALM_60220	BV	355	Type 5	0	RO	A220
ALM_61221	BV	356	Type 5	0	RO	T221
ALM_61245	BV	357	Type 5	0	RO	T245
ALM_61335	BV	358	Type 5	0	RO	T335
ALM_60436	BV	359	Type 5	0	RO	A436
ALM_60400	BV	360	Type 5	0	RO	A400
ALM_60404	BV	361	Type 5	0	RO	A404
ALM_60405	BV	362	Type 5	0	RO	T405
ALM_60406	BV	363	Type 5	0	RO	T406
ALM_60407	BV	364	Type 5	0	RO	T407
ALM_61415	BV	365	Type 5	0	RO	T415
ALM_61416	BV	366	Type 5	0	RO	T416
ALM_61408	BV	367	Type 5	0	RO	T408
ALM_61318	BV	368	Type 5	0	RO	T318
ALM_61319	BV	369	Type 5	0	RO	T319
ALM_61615	BV	370	Type 5	0	RO	T615
ALM_61616	BV	371	Type 5	0	RO	T616
ALM_61617	BV	372	Type 5	0	RO	T617
ALM_61414	BV	373	Type 5	0	RO	T414
ALM_61352	BV	374	Type 5	0	RO	T352
ALM_61045	BV	375	Type 5	0	RO	T045
ALM_60046	BV	376	Type 5	0	RO	A046
ALM_60047	BV	377	Type 5	0	RO	A047
ALM_60048	BV	378	Type 5	0	RO	A048
ALM_61047	BV	379	Type 5	0	RO	T047
ALM_61048	BV	380	Type 5	0	RO	T048

APPENDIX B — BACNET, CCN NETWORK AND MODBUS POINTS FOR 48/50V (cont)

BACnet — 48/50V Units — PIC 6.0, Version 2.X (cont)

OBJECT NAME	TYPE	INSTANCE	OPTION	COV INC	POINT ACCESS	DESCRIPTION
ALM_60228	BV	381	Type 5	0	RO	A228
ALM_61079	BV	382	Type 5	0	RO	T079
ALM_61080	BV	383	Type 5	0	RO	T080
ALM_61222	BV	384	Type 5	0	RO	T222
ALM_60222	BV	385	Type 5	0	RO	A222
ALM_61223	BV	386	Type 5	0	RO	T223
ALM_60223	BV	387	Type 5	0	RO	A223
ALM_61224	BV	388	Type 5	0	RO	T224
ALM_60224	BV	389	Type 5	0	RO	A224
ALM_60420	BV	390	Type 5	0	RO	A420
ALM_60200	BV	391	Type 5	0	RO	A200
ALM_61084	BV	392	Type 5	0	RO	T084
ALM_60083	BV	393	Type 5	0	RO	T083
ALM_60081	BV	394	Type 5	0	RO	T081
ALM_62437	BV	395	Type 5	0	RO	A437
ALM_61153	BV	396	Type 5	0	RO	T153
ALM_60154	BV	397	Type 5	0	RO	A154
ALM_61155	BV	398	Type 5	0	RO	T155
ALM_60156	BV	399	Type 5	0	RO	A156
ALM_60157	BV	400	Type 5	0	RO	A157
ALM_61350	BV	401	Type 5	0	RO	T350
ALM_61351	BV	402	Type 5	0	RO	T351
ALM_61320	BV	403	Type 5	0	RO	T320
ALM_61321	BV	404	Type 5	0	RO	T321
ALM_61062	BV	405	Type 5	0	RO	T062
ALM_61322	BV	406	Type 5	0	RO	T322
ALM_61323	BV	407	Type 5	0	RO	T323
ALM_62445	BV	408	Type 5	0	RO	A2445
ALM_63445	BV	409	Type 5	0	RO	A3445
ALM_61445	BV	410	Type 5	0	RO	A1445
ALM_60445	BV	411	Type 5	0	RO	A445
ALM_60433	BV	412	Type 5	0	RO	A433
ALM_60438	BV	413	Type 5	0	RO	A438
ALM_61112	BV	414	Type 5	0	RO	T112
ALM_61114	BV	415	Type 5	0	RO	T114
ALM_65000	BV	416	Type 5	0	RO	Y000
ALM_65001	BV	417	Type 5	0	RO	Y001
ALM_65002	BV	418	Type 5	0	RO	Y002
ALM_65003	BV	419	Type 5	0	RO	Y003
ALM_65004	BV	420	Type 5	0	RO	Y004
ALM_65005	BV	421	Type 5	0	RO	Y005
ALM_65006	BV	422	Type 5	0	RO	Y006
ALM_65007	BV	423	Type 5	0	RO	Y007
ALM_65008	BV	424	Type 5	0	RO	Y008
ALM_65009	BV	425	Type 5	0	RO	Y009
ALM_65010	BV	426	Type 5	0	RO	Y010
ALM_65011	BV	427	Type 5	0	RO	Y011
ALM_65012	BV	428	Type 5	0	RO	Y012
ALM_65013	BV	429	Type 5	0	RO	Y013
ALM_65014	BV	430	Type 5	0	RO	Y014
ALM_65015	BV	431	Type 5	0	RO	Y015
ALM_65016	BV	432	Type 5	0	RO	Y016
ALM_65017	BV	433	Type 5	0	RO	Y017
ALM_65018	BV	434	Type 5	0	RO	Y018
ALM_65019	BV	435	Type 5	0	RO	Y019
ALM_60629	BV	437	Type 5	0	RO	T629
ALM_61000	BV	438	Type 5	0	RO	0
ALM_61147	BV	439	Type 5	0	RO	T147
ALM_60129	BV	440	Type 5	0	RO	Low Compressor Ratio Ckt A
ALM_60130	BV	441	Type 5	0	RO	Low Compressor Ratio Ckt B
ALM_61109	BV	442	Type 5	0	RO	IDF VFD Bypass Active
ALM_61087	BV	443	Type 5	0	RO	Heat Capacity Limit Alert
ALM_61088	BV	444	Type 5	0	RO	Cool Capacity Limit Alert
DISCOUT_VSCA1_SS	BV	445	Type 4	0	RO	VSC A1 Safe Stop
ALM_60091	BV	446	Type 5	0	RO	A091
ALM_60093	BV	447	Type 5	0	RO	A093
LPALMEN	BV	448	Type 4	0	RW	Low Power Alarm Enable
ALM_60266	BV	449	Type 5	0	RO	A266

APPENDIX B — BACNET, CCN NETWORK AND MODBUS POINTS FOR 48/50V (cont)

BACnet — 48/50V Units — PIC 6.0, Version 2.X (cont)

OBJECT NAME	TYPE	INSTANCE	OPTION	COV INC	POINT ACCESS	DESCRIPTION
ALM_60267	BV	450	Type 5	0	RO	A267
ALM_60268	BV	451	Type 5	0	RO	A268
ALM_60269	BV	452	Type 5	0	RO	A269
ALM_61628	BV	453	Type 5	0	RO	OAD/RAD % Open Alarm
MDESTS_CIRCAMDN	MV	1	Type 5	0	RO	Circuit A Mode
MDESTS_CIRCBMDN	MV	2	Type 5	0	RO	Circuit B Mode
MDESTS_CMPA1MDN	MV	3	Type 5	0	RO	Comp A1 Mode
MDESTS_CMPA2MDN	MV	4	Type 5	0	RO	Comp A2 Mode
MDESTS_CMPB1MDN	MV	5	Type 5	0	RO	Comp B1 Mode
MDESTS_CMPB2MDN	MV	6	Type 5	0	RO	Comp B2 Mode
MDESTS_ODF1MDN	MV	7	Type 5	0	RO	CF 1 Mode
MDESTS_ODF2MDN	MV	8	Type 5	0	RO	CF 2 Mode
MDESTS_ODF3MDN	MV	9	Type 5	0	RO	CF 3 Mode
MDESTS_IDFMDNUM	MV	10	Type 5	0	RO	Indoor Fan Mode
MDESTS_HEATRMDN	MV	11	Type 5	0	RO	Heater Mode
MDESTS_ECONMNUM	MV	12	Type 5	0	RO	OAD Mode
STATES_CIRCASTN	MV	13	Type 5	0	RO	Circuit A State
STATES_CIRCBSTN	MV	14	Type 5	0	RO	Circuit B State
STATES_CMPA1STN	MV	15	Type 5	0	RO	Comp A1 State
STATES_CMPA2STN	MV	16	Type 5	0	RO	Comp A2 State
STATES_CMPB1STN	MV	17	Type 5	0	RO	Comp B1 State
STATES_CMPB2STN	MV	18	Type 5	0	RO	Comp B2 State
STATES_ODF1STN	MV	19	Type 5	0	RO	ODF A State
STATES_ODF2STN	MV	20	Type 5	0	RO	CF 2 State
STATES_ODF3STN	MV	21	Type 5	0	RO	CF 3 State
STATES_IDFNUM	MV	22	Type 5	0	RO	Indoor Fan State
STATES_RHTSTNUM	MV	23	Type 5	0	RO	HGRH State
STATES_HEATRSTN	MV	24	Type 5	0	RO	Heater State
STATES_ECONNUM	MV	25	Type 5	0	RO	OAD State
STATES_OCCSRNUM	MV	26	Type 5	0	RO	Occupancy Source
BACNET_ALC_COLOR	MV	27	Type 5	0	RO	Operation Status Color

LEGEND

AV — Analog Value
BV — Binary Value
MV — Multi-State Value
RO — Read Only
RW — Read/Write

APPENDIX B — BACNET, CCN NETWORK AND MODBUS POINTS FOR 48/50V (cont)

CCN — 48/50V Units — PIC 6.0, Version 2.X

POINT NAME	DESCRIPTION	DEFAULT VALUE	LOW LIMIT	HIGH LIMIT	UNITS	CCN NAME
EQUIPCFG_SIO3DI7	Select IAQ or OAQ Switch	0	0	2	NO_UNIT	SIO3DI7
OCCSTNDT	Occupied Standby Time	5	5	30	MINUTES	OCCSTNDT
OCCSB_EN	Occupied Standby Enable	0	0	1	NO_UNIT	OCCSB_EN
STATES_OKTOFDHM	Free Dehum Status	0	0	0	NO_UNIT	OKTOFDHM
DHUMCFG_UFDHUMEN	Unoccupied Free Dehum	0	0	1	NO_UNIT	UFDHUMEN
DHUMCFG_OFDHUMEN	Occupied Free Dehum	0	0	1	NO_UNIT	OFDHUMEN
ALERTCFG_SPRHHL	SPRH High Limit	80	0	100	PERCENT	SPRHHL
ALERTCFG_SPRHLL	SPRH Low Limit	20	0	100	PERCENT	SPRHLL
ALERTCFG2_ERV_ALRT	ERV Frost Alert Limit	35	25	40	DEGREE_F	ERV_ALRT
DMDLMCFG_DLSWSEN	Demand Switch Enable	0	0	1	NO_UNIT	DLSWSEN
DMDLMCFG_CAPLMSRC	Capacity Limit Source	0	0	3	NO_UNIT	CAPLMSRC
DMDLMCFG_DMDLMSRC	Demand Limit Source	0	0	3	NO_UNIT	DMDLMSRC
DMDLMCFG_AICLSEL	Analog Limit Mode	0	0	2	NO_UNIT	AICLSEL
COOLSTP_DMDLIMS1	Cool Demand Limit S1	4	0	10	DELTA_F	CDLIMS1
COOLSTP_DMDLIMS2	Cool Demand Limit S2	6	0	10	DELTA_F	CDLIMS2
HEATSTP_DMDLIMS1	Heat Demand Limit S1	4	0	10	DELTA_F	HDLIMS1
HEATSTP_DMDLIMS2	Heat Demand Limit S2	6	0	10	DELTA_F	HDLIMS2
AIRPRESS_RAP	Return Air Pressure	0	–1	1	IN_H2O	RAP
SERVICE_LLAGCFG	Lead Lag Config	1	1	2	NO_UNIT	LLAGCFG
ANALOGIN_DAMPPOS2	RAD Feedback	0	0	0	PERCENT	DAMPPOS2
OADCFG_PRGLONG	Purge Long Duration	60	10	60	MINUTES	PRGLONG
OADCFG_PRGSHORT	Purge Short Duration	20	5	30	MINUTES	PRGSHORT
FACTORY_UI_TIMOT	UI Inactivity Timeout	60	60	240	MINUTES	UI_TIMOT
COMMADDR_IDF_3	Supply Fan 3	0	0	0	NO_UNIT	IDF_3
COMMADDR_IDF_2	Supply Fan 2	0	0	0	NO_UNIT	IDF_2
COMMADDR_IDF_1	Supply Fan 1	0	0	0	NO_UNIT	IDF_1
SERVICE_AC_SP_DR	Auto Test SP Drop	3	0	10	PSIG	AC_SP_DR
HEATCFG_HTTEMPCL	Heat Tempered Cooling	0	0	0	NO_UNIT	HTTEMPCL
HEATCFG_HEATTTDB	Heat Tempered Cooling DB	0	0	0	NO_UNIT	HEATTTDB
LINK_ACT	Linkage Active	0	0	0	NO_UNIT	LINK_ACT
LINK_OCC	Linkage Occupancy	0	0	0	NO_UNIT	LINK_OCC
SVCOUT_CMTRNDAH	Add Heat Comfort Trend	0	0	0	NO_UNIT	CMTRNDAH
SVCOUT_CMTRNDAC	Cool Comfort Trending	0	0	0	NO_UNIT	CMTRNDAC
LAB_EFCLTOHT	Cool2Heat Time Guard	0	0	0	MINUTES	EFCLTOHT
LAB_EFHTTOCL	Heat2Cool Time Guard	0	0	0	MINUTES	EFHTTOCL
FACTORY_LOWOILTM	Oil Threshold Timer	3600	1800	9000	SECONDS	LOWOILTM
FACTORY_OILRSTLM	Oil Threshold Reset Lim	10	0	100	PERCENT	OILRSTLM
FACTORY_LOWOILRT	Low Oil Reset Threshold	50	25	100	PERCENT	LOWOILRT
FACTORY_LOWOILB	Low Oil Threshold B	30	25	75	PERCENT	LOWOILB
FACTORY_LOWOILA	Low Oil Threshold A	30	25	75	PERCENT	LOWOILA
FACTORY_F_CMPA1	CompA1 Test	0	0	0	NO_UNIT	F_CMPA1
FACTORY_F_CMPA2	CompA2 Test	0	0	0	NO_UNIT	F_CMPA2
FACTORY_F_CMPB1	CompB1 Test	0	0	0	NO_UNIT	F_CMPB1
FACTORY_F_CMPB2	CompB2 Test	0	0	0	NO_UNIT	F_CMPB2
EXVCFG_MULTIEXV	Multi-EXV Calib Time	40	0	0	HOURS	MULTIEXV
EXVCFG_CALTIME	Calibration Time	48	24	168	HOURS	CALTIME
EXVCFG_TIMESHUT	Timed Shutdown	1	0	1	NO_UNIT	TIMESHUT
EXVCFG_UNOCALIB	Unoccupied Calibration	0	0	0	NO_UNIT	UNOCALIB

APPENDIX B — BACNET, CCN NETWORK AND MODBUS POINTS FOR 48/50V (cont)

CCN — 48/50V Units — PIC 6.0, Version 2.X (cont)

POINT NAME	DESCRIPTION	DEFAULT VALUE	LOW LIMIT	HIGH LIMIT	UNITS	CCN NAME
EQUIPCFG_RH3PEN	3rd Party Reheat Enable	0	0	1	NO_UNIT	RH3PEN
DISCOUT_RH3PRLY	3rd Party Reheat Relay	0	0	1	NO_UNIT	RH3PRLY
DISCIN_SHTDWNSW	Shutdown Switch	0	0	1	NO_UNIT	SHTDWNSW
DISCOUT_VSCA1_SS	VSC A1 Safe Stop	1	0	1	NO_UNIT	VSCA1_SS
EQUIPCFG_SHTDWNEN	Emergency Shutdown En	0	0	1	NO_UNIT	SHTDWNEN
SERVICE_MNCPSOLO	DigCmp Solo Min Capacity	50	30	100	PERCENT	MNCPSOLO
SERVICE_DISABLEM	Service Lock Out	0	0	1	NO_UNIT	DISABLEM
COOLCFG_SATLO_DB	SAT Lo Deadband	10	5	15	DEGREE_F	SATLO_DB
COOLCFG_SATHI_DB	SAT High Deadband	5	2.5	10	DEGREE_F	SATHI_DB
COOLCFG_CFMXSTG	CF Max Stage Temp	100	60	120	DEGREE_F	CFMXSTG
COOLCFG_OAD_1	OAD Control 1	0	0	100	PERCENT	OAD_1
COOLCFG_OAD_2	OAD Control 2	40	0	100	PERCENT	OAD_2
COOLCFG_OAD_3	OAD Control 3	60	0	100	PERCENT	OAD_3
COOLCFG_OAD_4	OAD Control 4	80	0	100	PERCENT	OAD_4
COOLCFG_OAD_5	OAD Control 5	100	0	100	PERCENT	OAD_5
COOLCFG_RAD_1	RAD Control 1	100	0	100	PERCENT	RAD_1
COOLCFG_RAD_2	RAD Control 2	80	0	100	PERCENT	RAD_2
COOLCFG_RAD_3	RAD Control 3	60	0	100	PERCENT	RAD_3
COOLCFG_RAD_4	RAD Control 4	40	0	100	PERCENT	RAD_4
COOLCFG_RAD_5	RAD Control 5	10	0	100	PERCENT	RAD_5
COOLCFG_SCT_HLIM	SCT High Limit	115	100	140	DEGREE_F	SCT_HLIM
COOLCFG_SCT_LLIM	SCT Low Limit	80	40	90	DEGREE_F	SCT_LLIM
DHUMCFG_HMZRPRGE	Humidimizer Purge Thold	2700	1800	7200	SECONDS	HMZRPRGE
DHUMCFG_HMZRPDUR	Humidimizer Purge Time	120	0	180	SECONDS	HMZRPDUR
TEST_TESTENAB	Test Enable	0	0	0	NO_UNIT	TESTENAB
TEST_CMPREQB2	Comp B2 Test Req	0	0	0	NO_UNIT	CMPREQB2
TEST_CMPB2	Test Compressor B2	0	0	0	NO_UNIT	TESTCPB2
TEST_CMPREQB1	Comp B1 Test Req	0	0	0	NO_UNIT	CMPREQB1
TEST_CMPB1	Test Compressor B1	0	0	0	NO_UNIT	TESTCPB1
TEST_CMPREQA2	Comp A2 Test Req	0	0	0	NO_UNIT	CMPREQA2
TEST_CMPA2	Test Compressor A2	0	0	0	NO_UNIT	TESTCPA2
TEST_CMPREQA1	Comp A1 Test Req	0	0	0	NO_UNIT	CMPREQA1
TEST_CMPA1	Test Compressor A1	0	0	0	NO_UNIT	TESTCPA1
AIRTEMP_DXLAT	Direct Expansion LAT	0	0	0	DEGREE_F	DXLAT
EQUIPCFG_DMDRSTEN	Demand Reset Switch	0	0	0	NO_UNIT	DMDRSTEN
HEATSTP_DMDRSTHT	Dmd Reset Heat Adjust	4	0	10	DEGREE_F	DMDRSTHT
COOLSTP_DMDRSTCL	Dmd Reset Cool Adjust	4	0	10	DEGREE_F	DMDRSTCL
EQUIPCFG_SATEN	SAT Sensor	0	0	0	NO_UNIT	SATEN
EQUIPCFG_SATOEN	SAT Offset	0	0	0	NO_UNIT	SATOEN
EQUIPCFG_VFDOFDNM	Num of ODF VFDs in Unit	1	1	3	NO_UNIT	VFDOFDNM
EQUIPCFG_AUXRELAY	Aux Relay	0	0	2	NO_UNIT	AUXRELAY
GENUNIT_NETOCC	Network Occupancy	2	0	2	NO_UNIT	NETOCC
AIRTEMP_EFF_CP	Effective Control Point	0	0	0	DEGREE_F	EFF_CP
AIRTEMP_SATO	Supply Air Temp Offset	0	0	0	DEGREE_F	SATO
SERVICE_LABIO	LAB IO OVERRIDE	0	0	0	NO_UNIT	LABIO
LAB_MATESTIM	MAT Estimation	0	0	0	DEGREE_F	MATESTIM
LAB_HGBPDIAG	HGBP Diag Word	0	0	0	NO_UNIT	HGBPDIAG
LAB_HGBPOBJ	HGBP Current Obj	0	0	0	NO_UNIT	HGBPOBJ

APPENDIX B — BACNET, CCN NETWORK AND MODBUS POINTS FOR 48/50V (cont)

CCN — 48/50V Units — PIC 6.0, Version 2.X (cont)

POINT NAME	DESCRIPTION	DEFAULT VALUE	LOW LIMIT	HIGH LIMIT	UNITS	CCN NAME
LAB_HGBPINFO	HGBP Info Mode	0	0	0	NO_UNIT	HGBPINFO
LAB_HGBPSTOP	HGBP Stop Ready	0	0	0	NO_UNIT	HGBPSTOP
LAB_HGBPSTRT	HGBP Start Ready	0	0	0	NO_UNIT	HGBPSTRT
LAB_OLLOWSTB	B Oil Low Start Flag	0	0	0	NO_UNIT	OLLOWSTB
LAB_OLLOWSTA	A Oil Low Start Flag	0	0	0	NO_UNIT	OLLOWSTA
LAB_OLPRTFGB	B Oil Prot Flag	0	0	0	NO_UNIT	OLPRTFGB
LAB_OLPRTFGA	A Oil Prot Flag	0	0	0	NO_UNIT	OLPRTFGA
LAB_OLALMFGB	B Oil Low Alarm Flag	0	0	0	NO_UNIT	OLALMFGB
LAB_OLALMFGA	A Oil Low Alarm Flag	0	0	0	NO_UNIT	OLALMFGA
LAB_CMFTCAP	Cmfrt Trd Cap Lim Stp	0	0	0	NO_UNIT	CMFTCAP
LAB_CMFTSTP	Cmfrt Trend Setpt	0	0	0	NO_UNIT	CMFTSTP
LAB_LDCLFLWD	Loading Ctrl Flt Wrd	0	0	0	NO_UNIT	LDCLFLWD
LAB_CMFTNDAC	Comfort Trend Actv	0	0	0	NO_UNIT	CMFTNDAC
LAB_CAPACTON	Cap Actual Tons	0	0	0	NO_UNIT	CAPACTON
LAB_CTLFLOBJ	Nom Ctrl Fluid Obj	0	0	0	NO_UNIT	CTLFLOBJ
LAB_CTLFLTMP	Nom Ctrl Fluid Temp	0	0	0	NO_UNIT	CTLFLTMP
LAB_MXAIREST	Mix Air Est Temp	0	0	0	DEGREE_F	MXAIREST
LAB_DMDTDIAG	Demand Det Diag	0	0	0	NO_UNIT	DMDTDIAG
LAB_FRECLREQ	Free Cool Request	0	0	0	NO_UNIT	FRECLREQ
LAB_SSHTIB2	EXVB2 SSH TI	0	0	0	NO_UNIT	SSHTIB2
LAB_SSHKPB2	EXVB2 SSH KP	0	0	0	NO_UNIT	SSHKPB2
LAB_DSTTIB1	EXVB1 DST TI	0	0	0	NO_UNIT	DSTTIB1
LAB_DSTKPB1	EXVB1 DST KP	0	0	0	NO_UNIT	DSTKPB1
LAB_SSHTIA2	EXVA2 SSH TI	0	0	0	NO_UNIT	SSHTIA2
LAB_SSHKPA2	EXVA2 SSH KP	0	0	0	NO_UNIT	SSHKPA2
LAB_DSTTIA2	EXVA2 DST TI	0	0	0	NO_UNIT	DSTTIA2
LAB_DSTKPA2	EXVA2 DST KP	0	0	0	NO_UNIT	DSTKPA2
LAB_SSHTIA1	EXVA1 SSH TI	0	0	0	NO_UNIT	SSHTIA1
LAB_SSHKPA1	EXVA1 SSH KP	0	0	0	NO_UNIT	SSHKPA1
LAB_DSTTIA1	EXVA1 DST TI	0	0	0	NO_UNIT	DSTTIA1
LAB_DSTKPA1	EXVA1 DST KP	0	0	0	NO_UNIT	DSTKPA1
LAB_SSHSTPB2	EXVB2 SSHSTPT	0	0	0	NO_UNIT	SSHSTPB2
LAB_SSHCMDB2	EXVB2 SSHCMD	0	0	0	NO_UNIT	SSHCMDB2
LAB_SSHSTPB1	EXVB1 SSHSTPT	0	0	0	NO_UNIT	SSHSTPB1
LAB_SSHCMDB1	EXVB1 SSHCMD	0	0	0	NO_UNIT	SSHCMDB1
LAB_SSHSTPA2	EXVA2 SSHSTPT	0	0	0	NO_UNIT	SSHSTPA2
LAB_SSHCMDA2	EXVA2 SSHCMD	0	0	0	NO_UNIT	SSHCMDA2
LAB_SSHSTPA1	EXVA1 SSHSTPT	0	0	0	NO_UNIT	SSHSTPA1
LAB_CMPA1WIN	Cmpr A1 Window % in PWM	0	0	0	PERCENT	CMPA1WIN
LAB_CMPA1CYC	Cmpr A1 Cmd % on PWM	0	0	0	PERCENT	CMPA1CYC
LAB_CMPA2WIN	Cmpr A2 Window % in PWM	0	0	0	PERCENT	CMPA2WIN
LAB_CMPA2CYC	Cmpr A2 Cmd % on PWM	0	0	0	PERCENT	CMPA2CYC
LAB_SSHCMDA1	EXVA1 SSHCMD	0	0	0	NO_UNIT	SSHCMDA1
OADCFG_FEEDBKTM	RAD Feedback Time	300	120	600	SECONDS	FEEDBKTM
OADCFG_FEEDBKTL	RAD FeedBack Tolerance	10	5	50	PERCENT	FEEDBKTL
OADCFG_IAQCFMRS	IAQ OA CFM Reset	0	–40000	0	CFM	IAQCFMRS
DHUMCFG_CCPRGTME	Cond Coil Purge Time	10	0	0	MINUTES	CCPRGTME
DHUMCFG_CCPRGPOS	Cond Coil Purge Pos	50	0	0	PERCENT	CCPRGPOS

APPENDIX B — BACNET, CCN NETWORK AND MODBUS POINTS FOR 48/50V (cont)

CCN — 48/50V Units — PIC 6.0, Version 2.X (cont)

POINT NAME	DESCRIPTION	DEFAULT VALUE	LOW LIMIT	HIGH LIMIT	UNITS	CCN NAME
DHUMCFG_CCBYPTME	Con Coil Bypass Time	0	0	0	MINUTES	CCBYPTME
DHUMCFG_RHTCLTME	HGRH Coil Closed Time	45	5	120	MINUTES	RHTCLTME
DHUMCFG_RHTOPTME	HGRH Coil Open Time	2	1	5	MINUTES	RHTOPTME
IDFCFG_SDPRLMIT	SP Reset Limit	0.75	0	3	IN_H2O	SDPRLMIT
IDFCFG_SDPRRTIO	SP Reset Ratio	0.2	0	3	IN_H2O	SDPRRTIO
IDFCFG_SAVTYPE	SAV Mode Selection	0	0	1	NO_UNIT	SAVTYPE
NETIN_Y1_NET	Network Y1	0	0	1	NO_UNIT	Y1_NET
NETIN_Y2_NET	Network Y2	0	0	1	NO_UNIT	Y2_NET
NETIN_W1_NET	Network W1	0	0	1	NO_UNIT	W1_NET
NETIN_W2_NET	Network W2	0	0	1	NO_UNIT	W2_NET
NETIN_G_NET	Network G	0	0	1	NO_UNIT	G_NET
NETIN_HSTATNET	Network HSTAT	0	0	1	NO_UNIT	HSTATNET
LOCIN_Y1_LOC	Local Y1	0	0	1	NO_UNIT	Y1_LOC
LOCIN_Y2_LOC	Local Y2	0	0	1	NO_UNIT	Y2_LOC
LOCIN_W1_LOC	Local W1	0	0	1	NO_UNIT	W1_LOC
LOCIN_W2_LOC	Local W2	0	0	1	NO_UNIT	W2_LOC
LOCIN_G_LOC	Local G	0	0	1	NO_UNIT	G_LOC
LOCIN_HSTATLOC	Local HSTAT	0	0	1	NO_UNIT	HSTATLOC
OADCFG_OADHUMEN	OA Dehum Enable	0	0	1	NO_UNIT	OADHUMEN
DHUMCFG_DHUMVENT	Vent/None Dehum	0	0	0	NO_UNIT	DHUMVENT
DHUMCFG_DHUMVAV	VAV Cool Dehum	0	0	0	NO_UNIT	DHUMVAV
DHUMCFG_DHUMHIHT	High Heat Dehum	0	0	0	NO_UNIT	DHUMHIHT
DHUMCFG_DHUMLOHT	Low Heat Dehum	0	0	0	NO_UNIT	DHUMLOHT
DHUMCFG_DHUMHICL	High Cool Dehum	0	0	0	NO_UNIT	DHUMHICL
DHUMCFG_DHUMLOCL	Low Cool Dehum	0	0	0	NO_UNIT	DHUMLOCL
DHUMCFG_DHMATLCK	High MT Dehum Lockout	105	90	115	DEGREE_F	DHMATLCK
OADCFG_OADEVAC	OAD Smoke Evac Speed	0	0	100	PERCENT	OADEVAC
IDFCFG_IDFEVAC	IDF Evacuation Speed	34	0	100	PERCENT	IDFEVAC
IDFCFG_IDFPURGE	IDF PURGE Speed	34	0	100	PERCENT	IDFPURGE
IDFCFG_IDFPRESS	IDF Pressurization Speed	34	0	100	PERCENT	IDFPRESS
EFCFG_EXFEVAC	EXF Evacuation Speed	0	0	100	PERCENT	EXFEVAC
EFCFG_EXFPURGE	EXF Smoke Purge Speed	0	0	100	PERCENT	EXFPURGE
EFCFG_PEOAD1	EXF OAD Position 1	25	0	100	PERCENT	PEOAD1
EFCFG_PEOAD2	EXF OAD Position 2	50	0	100	PERCENT	PEOAD2
EFCFG_PEOAD3	EXF OAD Position 3	75	0	100	PERCENT	PEOAD3
EFCFG_PEOAD4	EXF OAD Position 4	100	0	100	PERCENT	PEOAD4
EFCFG_PEOAD5	EXF OAD Position 5	100	0	100	PERCENT	PEOAD5
EFCFG_PEOAD6	EXF OAD Position 6	100	0	100	PERCENT	PEOAD6
EFCFG_RAP_EN	Return Air Press Sensor	0	0	1	NO_UNIT	RAP_EN
EFCFG_RAP_TH	Ret Air Press Threshold	–0.4	–1	1	IN_H2O	RAP_TH
DISCOUT_HRR	Heat Reclaim	0	0	0	NO_UNIT	HRR
DISCOUT_HMFR	Humidifier	0	0	0	NO_UNIT	HMFR
DISCOUT_HIR	Heat Interlock Relay	0	0	0	NO_UNIT	HIR
CCNCFG_BCASTALT	Broadcast Alerts	0	0	1	NO_UNIT	BCASTALT
ALERTCFG_HCDELAY	T24 Heat-Cool Delay	25	0	60	MINUTES	HCDELAY
ALERTCFG_T24ECMAX	T24 Econ Max Pos	85	50	100	PERCENT	T24ECMAX
ALERTCFG_T24ECMIN	T24 Econ Min Pos	15	0	50	PERCENT	T24ECMIN
ALERTCFG_SASETTLE	T24 SAT Settle	120	5	450	SECONDS	SASETTLE

APPENDIX B — BACNET, CCN NETWORK AND MODBUS POINTS FOR 48/50V (cont)

CCN — 48/50V Units — PIC 6.0, Version 2.X (cont)

POINT NAME	DESCRIPTION	DEFAULT VALUE	LOW LIMIT	HIGH LIMIT	UNITS	CCN NAME
ALERTCFG_MOVEDTEC	T24 Move Detect	1	1	10	PERCENT	MOVEDTEC
ALERTCFG_SATCHNGE	T24 Sat Change	0.2	0	5	DEGREE_F	SATCHNGE
ALERTCFG_SATMOVE	T24 SAT Move Chk	10	10	20	PERCENT	SATMOVE
ALERTCFG_OARADIFF	T24 OA RA diff	15	5	20	DEGREE_F	OARADIFF
ALERTCFG_T24ENAB	T24 Diagnostic	1	0	1	NO_UNIT	T24ENAB
OADCFG_ECONCTRL	Ventilation Control	0	0	5	NO_UNIT	ECONCTRL
OADCFG_FLTTIME	OAD Fault Detect Time	20	10	240	SECONDS	FLTTIME
OADCFG_FLTGAP	OAD Fault Detect Gap	5	2	100	PERCENT	FLTGAP
LAB_SDTTARG	SDT Target	0	0	0	NO_UNIT	SDTTARG
ALERTCFG_SPREST	Loss of Charge Reset	54	0	150	PSIG	SPREST
ALERTCFG_SPACTV	Loss of Charge Active	18	0	150	PSIG	SPACTV
ALERTCFG_SATCHNG	OAD Test SAT Change	0.2	0	5	DEGREE_F	SATCHNGE
STATES_RHEATSTE	HGRH State	0	0	0	NO_UNIT	RHEATSTE
STATES_RHTSTNUM	HGRH State	0	0	0	NO_UNIT	RHTSTNUM
MDESTS_RHEATMDE	HGRH Mode	0	0	0	NO_UNIT	RHEATMDE
STATES_EFSTE	Exhaust Fan State	0	0	0	NO_UNIT	EFSTE
MDESTS_EFMDE	Exhaust Fan Mode	0	0	0	NO_UNIT	EFMDE
STATES_ECONNUM	OAD State	0	0	0	NO_UNIT	ECONNUM
STATES_ECONSTE	OAD State	0	0	0	NO_UNIT	ECONSTE
MDESTS_ECONMNUM	OAD Mode	0	0	0	NO_UNIT	ECONMNUM
MDESTS_ECONMDE	OAD Mode	0	0	0	NO_UNIT	ECONMDE
STATES_ERVSTE	ERV State	0	0	0	NO_UNIT	ERVSTE
MDESTS_ERVMDE	ERV Mode	0	0	0	NO_UNIT	ERVMDE
DHUMSTP_DHUMRHSP	Dehum RH	55	40	100	PERCENT	DHUMRHSP
DHUMCFG_SUPPHEAT	Supplemental Heat	0	0	0	NO_UNIT	SUPPHEAT
DHUMCFG_UNOCENAB	Unoccupied Dehum	0	0	1	NO_UNIT	UNOCENAB
UNITCFG_OCCUOVER	SPT Occupancy Override	0	0	1	NO_UNIT	OCCUOVER
ANALGOUT_DAMPCMD2	RAD Cmd	0	0	0	PERCENT	DAMPCMD2
DISCIN_PPSS	Pressure Safety	0	0	1	NO_UNIT	PPSS
DISCIN_VSOLSWA	VS Oil Level Switch A	0	0	1	NO_UNIT	VSOLSWA
DISCIN_ENEGPRES	OAD Neg Pressure	0	0	1	NO_UNIT	ENEGPRES
DISCIN_FRZSW	Hydronic Freeze Switch	0	0	1	NO_UNIT	FRZSW
ANALOGIN_PFPD	Pre Filt Press Drop	0	0	0	NO_UNIT	PFPD
ANALOGIN_FFPD	Final Filt Press Drop	0	0	0	IN_H2O	FFPD
DISCIN_ODENTHSW	Outdoor Enthalpy	0	0	1	NO_UNIT	ODENTHSW
DISCIN_IAQSW	IAQ Switch	0	0	1	NO_UNIT	IAQSW
DISCIN_OAQSW	OAQ Switch	0	0	1	NO_UNIT	OAQSW
DISCIN_ERVFSS	ERV OD Filt Stat Switch	0	0	1	NO_UNIT	ERVFSS
DISCIN_EVACSW	Smoke Evac Switch	0	0	1	NO_UNIT	EVACSW
DISCIN_PRESSSW	Fire Press Switch	0	0	1	NO_UNIT	PRESSSW
ANALOGIN_SPSR	Static Pressure Stpt Rst	0	0	5	IN_H2O	SPSR
ANALOGIN_SPSR_NET	Net SP Reset	0	0	5	IN_H2O	SPSR_NET
ANALOGIN_DLC	Demand Limit Control	0	0	0	NO_UNIT	DLC
AIRTEMP_LST	Staged Gas Limit Temp	0	0	0	DEGREE_F	LST
AIRTEMP_LAT	Staged Gas LAT	0	0	0	DEGREE_F	LAT
DISCOUT_PEB	Power Exh B	0	0	1	NO_UNIT	PEB
DISCOUT_PEC	Power Exh C	0	0	1	NO_UNIT	PEC
DISCOUT_PEA	Power Exh A	0	0	1	NO_UNIT	PEA

APPENDIX B — BACNET, CCN NETWORK AND MODBUS POINTS FOR 48/50V (cont)

CCN — 48/50V Units — PIC 6.0, Version 2.X (cont)

POINT NAME	DESCRIPTION	DEFAULT VALUE	LOW LIMIT	HIGH LIMIT	UNITS	CCN NAME
DISCIN_PFPSS	Pre Filter Switch	0	0	1	NO_UNIT	PFPSS
DISCIN_IGCFANSW	IGC IDF Switch	0	0	1	NO_UNIT	IGCFANSW
DISCOUT_ALM	Alarm	0	0	1	NO_UNIT	ALMOUT
DISCIN_DLS2	DemandLimSwitch2	0	0	1	NO_UNIT	DLS2
DISCIN_DLS1	DemandLimSwitch1	0	0	1	NO_UNIT	DLS1
APP_DoRestart	Do Restart Flag	0	0	1	NO_UNIT	DORSTRRT
APP_RestartRequired	Restart Required Flag	0	0	1	NO_UNIT	RSTRQRD
SERVICE1_ZDORCAP	ZDOR Heat Cap Thresh	50	50	100	PERCENT	ZDORCAP
EQUIPCFG_SPTEN	SPT Sensor	0	0	1	NO_UNIT	SPTEN
EQUIPCFG_SPTOFFEN	SPT Offset	0	0	1	NO_UNIT	SPTOFFEN
EQUIPCFG_IAQEN	IAQ Sensor	0	0	1	NO_UNIT	IAQEN
EQUIPCFG_HTALMEN	Heat Alarm	0	0	1	NO_UNIT	HTALMEN
EQUIPCFG_SMOKEEN	Smoke Detector	0	0	1	NO_UNIT	SMOKEEN
EQUIPCFG_TSTATEN	Thermostat	0	0	1	NO_UNIT	TSTATEN
EQUIPCFG_HUMSWEN	Humidistat	0	0	1	NO_UNIT	HUMSWEN
EQUIPCFG_FILTSWEN	Pre-Filter Switch	0	0	1	NO_UNIT	FILTSWEN
EQUIPCFG_RESWEN	Remote Input	0	0	2	NO_UNIT	RESWEN
EQUIPCFG_PMREN	Phase Monitor	0	0	1	NO_UNIT	PMREN
EQUIPCFG_ZDOREN	ZDOR	0	0	1	NO_UNIT	ZDOREN
EQUIPCFG_ALARMEN	Alarm Output	0	0	1	NO_UNIT	ALARMEN
EQUIPCFG_MATEN	MAT Sensor	0	0	1	NO_UNIT	MATEN
EQUIPCFG_EATEN	EAT Sensor	0	0	1	NO_UNIT	EATEN
EQUIPCFG_OACFMEN	OACFM Sensor	0	0	1	NO_UNIT	OACFMEN
EQUIPCFG_OAD3PEN	OAD 3rd Party Mod	0	0	1	NO_UNIT	OAD3PEN
EQUIPCFG_SF3PEN	IDF 3rd Party Mod	0	0	1	NO_UNIT	SF3PEN
EQUIPCFG_EF3PEN	EXF 3rd Party Mod	0	0	1	NO_UNIT	EF3PEN
EQUIPCFG_MARHEN	MARH Sensor	0	0	1	NO_UNIT	MARHEN
EQUIPCFG_SPRHEN	SPRH Sensor	0	0	1	NO_UNIT	SPRHEN
EQUIPCFG_SDPEN	Supply Pressure Sensor	0	0	1	NO_UNIT	SDPEN
EQUIPCFG_ERVEN	ERV	0	0	1	NO_UNIT	ERVEN
EQUIPCFG_ERVOAFEN	ERV OAF	0	0	1	NO_UNIT	ERVOAFEN
EQUIPCFG_ERVBYPEN	ERV Bypass Damper	0	0	1	NO_UNIT	ERVBYPEN
EQUIPCFG_FIRESWEN	Fire Switch	0	0	1	NO_UNIT	FIRESWEN
EQUIPCFG_EFEN	Exhaust Fan	0	0	1	NO_UNIT	EFEN
EQUIPCFG_BPEN	Building Pressure Sensor	0	0	1	NO_UNIT	BPEN
EQUIPCFG_ECONEN	Economizer (OAD)	0	0	1	NO_UNIT	ECONEN
EQUIPCFG_SPSREN	SPSR Sensor	0	0	1	NO_UNIT	SPSREN
EQUIPCFG_DMDLIM	Demand/Capacity Anlg In	0	0	1	NO_UNIT	DMDLIM
EQUIPCFG_OARHEN	OARH Sensor	0	0	1	NO_UNIT	OARHEN
EQUIPCFG_RARHEN	RARH Sensor	0	0	1	NO_UNIT	RARHEN
EQUIPCFG_CONDEN	COFS	0	0	1	NO_UNIT	CONDEN
EQUIPCFG_HT1EN	Heat Stage 1 Relay	0	0	1	NO_UNIT	HT1EN
EQUIPCFG_HT2EN	Heat Stage 2 Relay	0	0	1	NO_UNIT	HT2EN
EQUIPCFG_HT3EN	Heat Stage 3 Relay	0	0	1	NO_UNIT	HT3EN
EQUIPCFG_HT4EN	Heat Stage 4 Relay	0	0	1	NO_UNIT	HT4EN
EQUIPCFG_ENTHSWEN	Enthalpy Switch	0	0	1	NO_UNIT	ENTHSWEN
EQUIPCFG_OAQEN	OAQ Sensor	0	0	1	NO_UNIT	OAQEN
EQUIPCFG_VSOLAEN	VS Oil Level Switch A	0	0	1	NO_UNIT	VSOLAEN

APPENDIX B — BACNET, CCN NETWORK AND MODBUS POINTS FOR 48/50V (cont)

CCN — 48/50V Units — PIC 6.0, Version 2.X (cont)

POINT NAME	DESCRIPTION	DEFAULT VALUE	LOW LIMIT	HIGH LIMIT	UNITS	CCN NAME
EQUIPCFG_PRESSEN	Pressurization Switch	0	0	1	NO_UNIT	PRESSEN
EQUIPCFG_EVACEN	Evacuation Switch	0	0	1	NO_UNIT	EVACEN
EQUIPCFG_IAQSWEN	IAQ Switch	0	0	0	NO_UNIT	IAQSWEN
EQUIPCFG_OAQSWEN	OAQ Switch	0	0	1	NO_UNIT	OAQSWEN
EQUIPCFG_HUMZEN	Humidimizer Cntrl Valve	0	0	1	NO_UNIT	HUMZEN
DHUMCFG_OILTIME	Dehum Oil Recov Time	60	0	120	MINUTES	OILTIME
DHUMCFG_RHBOOST	Reheat Boost Val	75	0	100	PERCENT	RHBOOST
DHUMCFG_OILLOWTH	Oil Recov Low Thld	20	0	100	PERCENT	OILLOWTH
DHUMCFG_OILHITH	Oil Recov High Thld	50	0	100	PERCENT	OILHITH
SERVICE_CMPOFMIN	Comp Min OFF Time	180	0	300	SECONDS	CMPOFMIN
SERVICE_CMPONMIN	Comp Min ON Time	180	0	300	SECONDS	CMPONMIN
OADCFG_IAQPRGLL	IAQ Purge OAT Lo Lockout	45	0	50	DEGREE_F	IAQPRGLL
OADCFG_IAQPRGHL	IAQ Purge OAT Hi Lockout	95	85	115	DEGREE_F	IAQPRGHL
OADCFG_IAQPHITP	IAQ Purge Hi Temp Pos	35	0	100	PERCENT	IAQPHITP
OADCFG_IAQPLOTP	IAQ Purge Lo Temp Pos	10	0	100	PERCENT	IAQPLOTP
OADCFG_IAQPLOCK	IAQ Purge Lockout	50	35	70	DEGREE_F	IAQPLOCK
OADCFG_IAQPDUR	IAQ Purge Duration	15	5	60	MINUTES	IAQPDUR
OADCFG_IAQPOP	IAQ Pre-Occ Purge	1	0	1	NO_UNIT	IAQPOP
OADCFG_IAQHILVL	IAQ High Level	2000	0	5000	PPM	IAQHILVL
OADCFG_IAQLOLVL	IAQ Low Level	0	0	5000	PPM	IAQLOLVL
OADCFG_IAQMXPOS	IAQ Max Position	0	0	100	PERCENT	IAQMXPOS
OADCFG_IAQMNPOS	IAQ Min Position	0	0	100	PERCENT	IAQMNPOS
OADCFG_IAQREACT	IAQ Reactivity	0	–5	5	NO_UNIT	IAQREACT
OADCFG_IAQRESET	IAQ Reset Source	0	0	3	NO_UNIT	IAQRESET
OADCFG_CFMSP	OACFM Setpoint	780	0	20000	CFM	CFMSP
IDFCFG_VENTSPD4	IDF Vent Speed 4	100	0	100	PERCENT	VENTSPD4
IDFCFG_VENTSPD3	IDF Vent Speed 3	80	0	100	PERCENT	VENTSPD3
IDFCFG_VENTSPD2	IDF Vent Speed 2	70	0	100	PERCENT	VENTSPD2
IDFCFG_VENTSPD1	IDF Vent Speed 1	66	0	100	PERCENT	VENTSPD1
OADCFG_OADPOS4	OA Damper Vent Pos 4	0	0	100	PERCENT	OADPOS4
OADCFG_OADPOS3	OA Damper Vent Pos 3	30	0	100	PERCENT	OADPOS3
OADCFG_OADPOS2	OA Damper Vent Pos 2	38	0	100	PERCENT	OADPOS2
OADCFG_OADPOS1	OA Damper Vent Pos 1	60	0	100	PERCENT	OADPOS1
OADCFG_IAQOPOS	IAQ Override Position	50	0	100	PERCENT	IAQOPOS
OADCFG_IAQOTH	IAQ Override Threshold	1200	400	2000	PPM	IAQOTH
OADCFG_IAQOCFG	IAQ Override Conf	0	0	2	NO_UNIT	IAQOCFG
OADCFG_IAQODB	IAQ Override Deadband	200	100	1000	PPM	IAQODB
EXVSTP_SETPTENB	User Setpoint Enable	0	0	0	NO_UNIT	SETPTENB
MDESTS_DHUMPURG	Reheat Oil Purge	0	0	1	NO_UNIT	DHUMPURG
IDFSTP_CO2LVL	CO2 Level	2000	0	2000	PPM	CO2LVL
IDFSTP_AIRFLOW	Air Flow Setpoint	1200	0	50000	CFM	AIRFLOW
COOLCFG_CFSPDMX1	CF Speed MAX	100	0	0	PERCENT	CFSPDMX1
COOLCFG_CFSPDMN1	CF Speed MIN	0	0	0	PERCENT	CFSPDMN1
COOLCFG_CFSTSPD1	CF User Start Speed	0	0	0	PERCENT	CFSTSPD1
CNDSTP_SPDStpEN	CF User Start Spd Enab	0	0	0	NO_UNIT	SPDStpEN
OADCFG_MAXPOS	OAD Max Position	100	0	100	PERCENT	MAXPOS
OADCFG_MINPOS	OAD Min Position	10	0	100	PERCENT	MINPOS
FRECLCFG_UFC	Unocc Free Cooling	0	0	1	NO_UNIT	UFC

APPENDIX B — BACNET, CCN NETWORK AND MODBUS POINTS FOR 48/50V (cont)

CCN — 48/50V Units — PIC 6.0, Version 2.X (cont)

POINT NAME	DESCRIPTION	DEFAULT VALUE	LOW LIMIT	HIGH LIMIT	UNITS	CCN NAME
FRECLCFG_CHNGSEL	Changeover Select	0	0	3	NO_UNIT	CHNGSEL
FRECLCFG_ODAIRQTH	OAQ Lockout	1300	1000	2000	PPM	ODAIRQTH
FRECLCFG_ODAIRQ	OAQ Check	0	0	1	NO_UNIT	ODAIRQ
FRECLCFG_DEWLIMTH	OADP Threshold	55	50	62	DEGREE_F	DEWLIMTH
FRECLCFG_DEWLIM	OADP Limit Check	0	0	1	NO_UNIT	DEWLIM
FRECLCFG_DIFFDBTH	Diff Dry Bulb Threshold	0	0	10	DEGREE_F	DIFFDBTH
FRECLCFG_DRYBLBTH	OAT Dry Bulb Threshold	75	–40	120	DEGREE_F	DRYBLBTH
FRECLCFG_DRYBLB	Dry Bulb Chngeover (OAT)	1	0	1	NO_UNIT	DRYBLB
FRECLCFG_FREECLEN	Occ Free Cool	0	0	0	NO_UNIT	FREECLEN
FRECLCFG_FCOOL_TG	Free Cool Timeguard	5	0	30	MINUTES	FCOOL_TG
FRECLCFG_IAQOADRS	IAQ Switch OAD Pos Reset	–10	–100	0	PERCENT	IAQOADRS
EQUIPCFG_IAQOREN	IAQ-OD Pos Reset Enable	0	0	1	NO_UNIT	IAQOREN
EFCFG_SPEED2	EXF Speed OAD Pos 2	50	0	100	PERCENT	SPEED2
EFCFG_SPEED1	EXF Speed OAD Pos 1	25	0	100	PERCENT	SPEED1
EFCFG_DAMPPOS2	EXF OAD Pos 2	100	0	100	PERCENT	DAMPPOS2
EFCFG_DAMPPOS1	EXF OAD Pos 1	50	0	100	PERCENT	DAMPPOS1
EFCFG_MINSPD	EXF Min Speed	10	0	100	PERCENT	MINSPD
EFCFG_MAXSPD	EXF Max Speed	50	20	100	PERCENT	MAXSPD
EFCFG_RAMPRATE	EXF Ramp Rate	20	0	1800	SECONDS	RAMPRATE
EFSTP_EFBPSPT	Building Pressure	0.05	–0.3	0.3	IN_H2O	EFBPSPT
EFCFG_CONTROL	EXF Control Config	0	0	3	NO_UNIT	CONTROL
ERVCFG_ENTTOL	ERV Enthalpy Tolerance	2	0	2	BTU_LB	ENTTOL
ERVCFG_TMPTOL	ERV Temp Tolerance	10	0	20	DELTA_F	TMPTOL
ERVCFG_CHKTYPE	ERV Check Type	0	0	2	NO_UNIT	CHKTYPE
ANALOGIN_OD3P_CMD	OAD 3rd Party Modulation	0	0	0	PERCENT	OD3P_CMD
ANALOGIN_OD3P_LOC	Local 3rd Party OAD	0	0	0	PERCENT	OD3P_LOC
ANALOGIN_OD3P_NET	Net 3rd Party OAD	0	0	0	PERCENT	OD3P_NET
ANALOGIN_EF3P_CMD	EXF 3rd Party Modulation	0	0	0	PERCENT	EF3P_CMD
ANALOGIN_EF3P_LOC	Local 3rd Party EXF	0	0	0	PERCENT	EF3P_LOC
ANALOGIN_EF3P_NET	Net 3rd Party EXF	0	0	0	PERCENT	EF3P_NET
ANALOGIN_SF3P_CMD	IDF 3rd Party Modulation	0	0	0	PERCENT	SF3P_CMD
ANALOGIN_SF3P_LOC	Local 3rd Party IDF	0	0	0	PERCENT	SF3P_LOC
ANALOGIN_SF3P_NET	Net 3rd Party IDF	0	0	0	PERCENT	SF3P_NET
ANALGOUT_EFCMD	Exhaust Fan Cmd	0	0	0	PERCENT	EFCMD
ANALGOUT_ERV_OAF	ERV Outdoor Air Fan	0	0	0	PERCENT	ERV_OAF
DISCOUT_ALMOUT	Alarm	0	0	1	NO_UNIT	ALMOUT
DISCOUT_POWEXH1	Power Exhaust Enable	0	0	1	NO_UNIT	POWEXH1
DISCIN_PMR_STAT	Phase Monitor	0	0	1	NO_UNIT	PMR_STAT
DISCIN_FILTSTAT	Filter Switch	0	0	1	NO_UNIT	FILTSTAT
DISCIN_IDF_LSM	Indoor Fan Limit Switch	0	0	1	NO_UNIT	IDF_LSM
TEMP_MAT	Mixed Air Temp Sensor	0	0	0	DEGREE_F	MAT
DHUMCFG_RHMINPOS	HGRH Valve Min Pos	1	0	50	PERCENT	RHMINPOS
DHUMCFG_RHMAXPOS	HGRH Valve Max Pos	99	50	100	PERCENT	RHMAXPOS
DHUMCFG_RHSTART	HGRH Start Pos	5	0	100	PERCENT	RHSTART
DHUMCFG_RHTIME	HGRH Startup Time	30	0	120	SECONDS	RHTIME
DHUMCFG_DMD_SRC	Dehum Demand Source	3	0	8	NO_UNIT	DMD_SRC
DHUMCFG_DHUMMODE	Dehum Control Mode	0	0	3	NO_UNIT	DHUMMODE
DHUMSTP_CCTSTP	Dehum CCT	55	0	0	DEGREE_F	CCTSTP

APPENDIX B — BACNET, CCN NETWORK AND MODBUS POINTS FOR 48/50V (cont)

CCN — 48/50V Units — PIC 6.0, Version 2.X (cont)

POINT NAME	DESCRIPTION	DEFAULT VALUE	LOW LIMIT	HIGH LIMIT	UNITS	CCN NAME
DHUMCFG_RLOS_ON	Dehum RH On DB	5	0	20	PERCENT	RLOS_ON
DHUMCFG_RLOS_OFF	Dehum RH Off DB	5	1	20	PERCENT	RLOS_OFF
COOLSTP_CLSP_OCC	Occupied Cooling	73	55	80	DEGREE_F	CLSP_OCC
COOLSTP_CLSP_UNO	Unoccupied Cooling	83	55	110	DEGREE_F	CLSP_UNO
HEATSTP_HTSP_OCC	Occupied Heating	68	55	80	DEGREE_F	HTSP_OCC
HEATSTP_HTSP_UNO	Unoccupied Heating	58	40	99	DEGREE_F	HTSP_UNO
COOLCFG_GAP_CLHT	Cool Heat Gap Config	5	2	10	DEGREE_F	GAP_CLHT
COOLCFG_DOLOCLON	Lo Cool On DB	1	0	2	DEGREE_F	DOLOCLON
COOLCFG_DOLOCLOF	Lo Cool Off DB	1	0.5	2	DEGREE_F	DOLOCLOF
COOLCFG_DOHICLON	Hi Cool On DB	1	0.5	20	DEGREE_F	DOHICLON
HEATCFG_DOLOHTON	Lo Heat On DB	1	0	2	DEGREE_F	DOLOHTON
HEATCFG_DOLOHTOF	Lo Heat Off DB	1	0.5	2	DEGREE_F	DOLOHTOF
HEATCFG_DOHIHTON	Hi Heat On DB	1	0.5	20	DEGREE_F	DOHIHTON
COOLCFG_DOVAVCON	VAV Cool On DB	3.5	0	25	DEGREE_F	DOVAVCON
COOLCFG_DOVAVCOF	VAV Cool Off DB	2	1	25	DEGREE_F	DOVAVCOF
COOLSTP_SALOCLSP	Lo Cool SAT	65	55	75	DEGREE_F	SALOCLSP
COOLSTP_SAHICLSP	Hi Cool SAT	55	55	75	DEGREE_F	SAHICLSP
HEATSTP_SALOHTSP	Lo Heat SAT	85	60	125	DEGREE_F	SALOHTSP
HEATSTP_SAHIHTSP	Hi Heat SAT	95	60	125	DEGREE_F	SAHIHTSP
COOLSTP_VAVCLSP	VAV Cooling SAT	55	45	75	DEGREE_F	VAVCLSP
COOLSTP_HODALCL	100% OA Low Cool SAT	75	55	75	DEGREE_F	HODALCL
COOLSTP_HODAHCL	100% OA High Cool SAT	70	55	75	DEGREE_F	HODAHCL
HEATSTP_HODALHT	100% OA Low Heat SAT	75	65	125	DEGREE_F	HODALHT
HEATSTP_HODAHHT	100% OA High Heat SAT	85	65	125	DEGREE_F	HODAHHT
COOLSTP_SPLYAVSP	Vent SAT	70	55	85	DEGREE_F	SPLYAVSP
COOLCFG_SPLYDB	Vent Deadband	15	10	30	DEGREE_F	SPLYDB
COOLCFG_STARTCAP	VSC Start Up Capacity	0	0	0	PERCENT	STARTCAP
COOLCFG_VSCMAXHZ	VSC Maximum Hertz	0	0	0	HZ	VSCMAXHZ
COOLCFG_DELAYTM	VSC Staging Delay	0	0	0	SECONDS	DELAYTM
COOLCFG_VMAXCAP	VSC Maximum Capacity	60	0	0	PERCENT	VMAXCAP
COOLCFG_VMINCAP	VSC Minimum Capacity	25	0	0	PERCENT	VMINCAP
COOLSTP_CMPMAXA1	Cmp Nominal Spd Max A1	100	0	0	PERCENT	CMPMAXA1
COOLSTP_CMPMINA1	Cmp Nominal Spd Min A1	0	0	0	PERCENT	CMPMINA1
COOLSTP_CMPMAXA2	Cmp Nominal Spd Max A2	100	0	0	PERCENT	CMPMAXA2
COOLSTP_CMPMINA2	Cmp Nominal Spd Min A2	0	0	0	PERCENT	CMPMINA2
COOLSTP_CMPMAXB1	Cmp Nominal Spd Max B1	100	0	0	PERCENT	CMPMAXB1
COOLSTP_CMPMINB1	Cmp Nominal Spd Min B1	0	0	0	PERCENT	CMPMINB1
COOLSTP_CMPMAXB2	Cmp Nominal Spd Max B2	100	0	0	PERCENT	CMPMAXB2
COOLSTP_CMPMINB2	Cmp Nominal Spd Min B2	0	0	0	PERCENT	CMPMINB2
IDFCFG_OPSELECT	IDF Control	1	0	8	NO_UNIT	OPSELECT
IDFCFG_IDFCSPD1	Lo Cool IDF Speed	66	0	100	PERCENT	IDFCSPD1
IDFCFG_IDFCSPD2	Hi Cool IDF Speed	100	0	100	PERCENT	IDFCSPD2
IDFCFG_IDFMCSPD	Med Cool IDF Speed	88	0	100	PERCENT	IDFMCSPD
IDFCFG_SAVLCCTH	SAV Low Cool Cap Thresh	70	0	100	PERCENT	SAVLCCTH
IDFCFG_SAVMCCTH	SAV Med Cool Cap Thresh	75	0	100	PERCENT	SAVMCCTH
IDFCFG_SAVHCCTH	SAV High Cool Cap Thresh	90	0	100	PERCENT	SAVHCCTH
IDFCFG_IDFHSPD1	Lo Heat IDF Speed	66	0	100	PERCENT	IDFHSPD1
IDFCFG_IDFHSPD2	Hi Heat IDF Speed	100	0	100	PERCENT	IDFHSPD2

APPENDIX B — BACNET, CCN NETWORK AND MODBUS POINTS FOR 48/50V (cont)

CCN — 48/50V Units — PIC 6.0, Version 2.X (cont)

POINT NAME	DESCRIPTION	DEFAULT VALUE	LOW LIMIT	HIGH LIMIT	UNITS	CCN NAME
FACTORY_HWMAXSPD	SF HW Max Speed	2200	0	4200	RPM	HWMAXSPD
IDFCFG_IDFMNSPD	Indoor Fan Min Speed	34	0	100	PERCENT	IDFMNSPD
IDFCFG_IDFMXSPD	Indoor Fan Max Speed	100	0	100	PERCENT	IDFMXSPD
IDFCFG_OCCUCFG	Occupied Fan	0	0	1	NO_UNIT	OCCUCFG
IDFCFG_UNOCCFG	Unoccupied Fan	0	0	1	NO_UNIT	UNOCCFG
IDFCFG_BPHIRNG	BP High Range	0.25	–1	1	IN_H2O	BPHIRNG
IDFCFG_BPLORNG	BP Low Range	–0.25	–1	1	IN_H2O	BPLORNG
IDFCFG_SDPHIRNG	SP High Range	3	0	5	IN_H2O	SDPHIRNG
IDFCFG_SDPLORNG	SP Low Range	0	0	5	IN_H2O	SDPLORNG
IDFCFG_SDPRS	SP Reset Source	0	0	5	NO_UNIT	SDPRS
CMPASTS_SSTENVMN	SST Env Min CirA	0	0	0	NO_UNIT	SSTENMNA
CMPASTS_SSTENVMX	SST Env Max CirA	0	0	0	NO_UNIT	SSTENMXA
CMPASTS_SDTENVMN	SDT Env Min CirA	0	0	0	NO_UNIT	SDTENMNA
CMPASTS_SDTENVMX	SDT Env Max CirA	0	0	0	NO_UNIT	SDTENMXA
CMPASTS_SSTABSMN	SST Abs Min CirA	0	0	0	NO_UNIT	SSTABMNA
CMPASTS_SSTABSMX	SST Abs Max CirA	0	0	0	NO_UNIT	SSTABMXA
CMPASTS_SDTABSMN	SDT Abs Min Cir A	0	0	0	NO_UNIT	SDTABMNA
CMPASTS_SDTABSMX	SDT Abs Max Cir A	0	0	0	NO_UNIT	SDTABMXA
CMPBSTS_SSTENVMN	SST Env Min Cir B	0	0	0	NO_UNIT	SSTENMNB
CMPBSTS_SSTENVMX	SST Env Max Cir B	0	0	0	NO_UNIT	SSTENMXB
CMPBSTS_SDTENVMN	SDT Env Min Cir B	0	0	0	NO_UNIT	SDTENMNB
CMPBSTS_SDTENVMX	SDT Env Max Cir B	0	0	0	NO_UNIT	SDTENMXB
CMPBSTS_SSTABSMN	SST Abs Min Cir B	0	0	0	NO_UNIT	SSTABMNB
CMPBSTS_SSTABSMX	SST Abs Max Cir B	0	0	0	NO_UNIT	SSTABMXB
CMPBSTS_SDTABSMN	SDT Abs Min Cir B	0	0	0	NO_UNIT	SDTABMNB
CMPBSTS_SDTABSMX	SDT Abs Max Cir B	0	0	0	NO_UNIT	SDTABMXB
CMPBSTS_OILRECAC	Oil Recovery Actv Cir B	0	0	0	NO_UNIT	CBORECAC
CMPA1STS_LOADREQ	Load Request Comp A1	0	0	0	NO_UNIT	A1LOADRQ
CMPA2STS_LOADREQ	Load Request Comp A2	0	0	0	NO_UNIT	A2LOADRQ
CMPB1STS_LOADREQ	Load Request Comp B1	0	0	0	NO_UNIT	B1LOADRQ
CMPB2STS_LOADREQ	Load Request Comp B2	0	0	0	NO_UNIT	B2LOADRQ
UNITCFG_AUTRST	Auto Restart	0	0	1	NO_UNIT	AUTRST
COOLCFG_DEMAND	Cool/Heat Demand Source	3	0	5	NO_UNIT	DEMAND
COOLCFG_FLDTC	Control Fluid Select	1	1	2	NO_UNIT	FLDTC
COOLCFG_TPCTLRST	SAT Reset Source	0	0	5	NO_UNIT	TPCTLRST
COOLCFG_RSTRTIO	SAT Reset Ratio	3	0	10	NO_UNIT	RSTRTIO
COOLCFG_RSTLMIT	SAT Reset Limit	10	0	20	NO_UNIT	RSTLMIT
COOLCFG_TMPDVNT	Cool Tempered Venting	0	0	1	NO_UNIT	TMPDVNT
COOLSTP_CLCAPSTP	Max Cool Capacity	100	50	100	PERCENT	CLCAPSTP
COOLSTP_CAPLIMS2	Cool Capacity Limit S2	0	0	100	PERCENT	CCPLIMS2
COOLCFG_CLTREND	Cool Trend Level	0.2	0.1	5	DEGREE_F	CLTREND
COOLCFG_CLTNDTM	Cool Trend Time	2	1	5	MINUTES	CLTNDTM
HEATCFG_HTTREND	Heat Trend Level	0.1	0.1	5	DEGREE_F	HTTREND
HEATCFG_HTTNDTM	Heat Trend Time	120	30	600	SECONDS	HTTNDTM
SERVICE1_HTTOCL	Heat to Cool Guard	10	0	20	MINUTES	HTTOCL
SERVICE1_CLTOHT	Cool to Heat Guard	10	0	20	MINUTES	CLTOHT
HEATCFG_HEAT_EBL	Morning Warmup Only	1	0	1	NO_UNIT	HEAT_EBL
HEATSTP_CAPLIMS2	Heat Capacity Limit S2	0	0	100	PERCENT	HCPLIMS2

APPENDIX B — BACNET, CCN NETWORK AND MODBUS POINTS FOR 48/50V (cont)

CCN — 48/50V Units — PIC 6.0, Version 2.X (cont)

POINT NAME	DESCRIPTION	DEFAULT VALUE	LOW LIMIT	HIGH LIMIT	UNITS	CCN NAME
HEATSTP_CAPLIMS1	Heat Capacity Limit S1	50	0	100	PERCENT	HCPLIMS1
HEATSTP_HTCAPSTP	Max Heat Capacity	100	50	100	PERCENT	HTCAPSTP
SERVICE1_CMPOATL	Comp OAT Lock	60	–20	70	DEGREE_F	CMPOATL
SERVICE1_HEATOATL	Heating OAT Lockout	75	50	100	DEGREE_F	HEATOATL
SERVICE1_CMPMATL	Comp MAT Lockout	65	–20	70	DEGREE_F	CMPMATL
EXVSTP_EXVSTENB	Manual Start Pos Enable	0	0	0	NO_UNIT	EXVSTENB
CNDSTP_SDTStpEn	SDT Setpoint Enable	0	0	0	NO_UNIT	SDTStpEn
DEBUG_DSBL_ALM	Disable Notifications Flag	0	0	0	NO_UNIT	DSBL_ALM
DEBUG_DEBUGMOD	CCN Debug Flag	0	0	0	NO_UNIT	DEBUGMOD
DEBUG_FLUSHCFG	Reinitialize Configs	0	0	0	NO_UNIT	FLUSHCFG
DEBUG_CHESTNUT	All Points Forcible	0	0	0	NO_UNIT	CHESTNUT
DEBUG_ALHISCLR	Reset Alarm History	0	0	0	NO_UNIT	ALHISCLR
DEBUG_BACKDOOR	Disable Point Limits	0	0	0	NO_UNIT	BACKDOOR
ALERTCFG_SSHALOW	Low SSH A Alert	4	2	10	DEGREE_F	SSHALOW
ALERTCFG_SSHBLOW	Low SSH B Alert	4	2	10	DEGREE_F	SSHBLOW
FACTORY_unit_typ	Heat Type	3	0	8	NO_UNIT	UNITTYPE
FACTORY_reset_uptime	Reset Uptime	0	0	0	NO_UNIT	RSTUPTM
FACTORY_clear_por	Clear POR Timestamps	0	0	0	NO_UNIT	RSTPOR
FACTORY_clear_alm_resets	Clear Alarm Timestamps	0	0	0	NO_UNIT	RSTRST
GENUNIT_PWR_RST1	Power Reset Time 1	0000-00-00-00-00-00	0	0	NO_UNIT	PWRRST1
GENUNIT_PWR_RST2	Power Reset Time 2	0000-00-00-00-00-00	0	0	NO_UNIT	PWRRST2
GENUNIT_PWR_RST3	Power Reset Time 3	0000-00-00-00-00-00	0	0	NO_UNIT	PWRRST3
GENUNIT_PWR_RST4	Power Reset Time 4	0000-00-00-00-00-00	0	0	NO_UNIT	PWRRST4
GENUNIT_PWR_RST5	Power Reset Time 5	0000-00-00-00-00-00	0	0	NO_UNIT	PWRRST5
GENUNIT_PWR_RST6	Power Reset Time 6	0000-00-00-00-00-00	0	0	NO_UNIT	PWRRST6
GENUNIT_PWR_RST7	Power Reset Time 7	0000-00-00-00-00-00	0	0	NO_UNIT	PWRRST7
GENUNIT_PWR_RST8	Power Reset Time 8	0000-00-00-00-00-00	0	0	NO_UNIT	PWRRST8
GENUNIT_PWR_RST9	Power Reset Time 9	0000-00-00-00-00-00	0	0	NO_UNIT	PWRRST9
GENUNIT_PWR_RST10	Power Reset Time 10	0000-00-00-00-00-00	0	0	NO_UNIT	PWRRST10
LABONLY_SYSON	System On	0	0	0	NO_UNIT	SYSON
GENUNIT_OCCUPIED	Occupied	0	0	1	NO_UNIT	OCCUPIED
GENUNIT_ONOFFSVC	Unit Mode	0	0	3	NO_UNIT	ONOFFSVC
GENUNIT_SMAXHCAP	Sys Max Heat Cap	0	0	100	PERCENT	SMAXHCAP
GENUNIT_SMAXCCAP	Sys Max Cool Cap	0	0	100	PERCENT	SMAXCCAP
ANALOGIN_OARH	Outdoor Air RH (OARH)	0	0	0	PERCENT	OARH
ANALOGIN_RARH	Return Air RH (RARH)	0	0	0	PERCENT	RARH
ANALOGIN_RARHNET	Net RARH	0	0	0	PERCENT	RARHNET
ANALOGIN_RARHLOC	Local RARH	0	0	0	PERCENT	RARHLOC
ANALOGIN_SARH	Supply Air RH (SARH)	0	0	0	PERCENT	SARH
ANALOGIN_SPRH	Space RH (SPRH)	0	0	0	PERCENT	SPRH
ANALOGIN_SPRHNET	Net SPRH	0	0	0	PERCENT	SPRHNET
ANALOGIN_SPRHLOC	Local SPRH	0	0	0	PERCENT	SPRHLOC
ANALOGIN_MARH	Mixed Air RH (MARH)	0	0	0	PERCENT	MARH
ANALOGIN_OACFM	Outdoor Air CFM	0	0	0	CFM	OACFM
ANALOGIN_OACFMNET	Net Outdoor Air CFM	0	0	0	CFM	OACFMNET
ANALOGIN_OACFMLOC	Local Outdoor Air CFM	0	0	0	CFM	OACFMLOC
ANALOGIN_OACFMRST	Outdoor Air CFM Reset	0	0	0	CFM	OACFMRST
ANALOGIN_OCFMRNET	Net OA CFM Reset	0	0	0	CFM	OCFMRNET

APPENDIX B — BACNET, CCN NETWORK AND MODBUS POINTS FOR 48/50V (cont)

CCN — 48/50V Units — PIC 6.0, Version 2.X (cont)

POINT NAME	DESCRIPTION	DEFAULT VALUE	LOW LIMIT	HIGH LIMIT	UNITS	CCN NAME
ANALOGIN_OCFMRLOC	Local OA CFM Reset	0	0	0	CFM	OCFMRLOC
DISCIN_HPS	HPS Feedback	0	0	1	NO_UNIT	HPSA
DISCIN_HPSA	Cir A HPS Switch	0	0	1	NO_UNIT	HPSA
DISCIN_HPSB	Cir B HPS Switch	0	0	1	NO_UNIT	HPSB
DISCIN_RESW	Remote Switch	0	0	1	NO_UNIT	RESW
DISCIN_FIRESW	Fire Shutdown Switch	0	0	1	NO_UNIT	FIRESW
DISCIN_SMKPRGSW	Smoke Purge Switch	0	0	1	NO_UNIT	SMKPRGSW
DISCIN_SMOKESW	Smoke Detector	0	0	1	NO_UNIT	SMOKESW
DISCIN_CNDOSW	COFS	0	0	1	NO_UNIT	CNDOSW
DISCIN_ERV_FRST	ERV Frost Indicator	0	0	1	NO_UNIT	ERV_FRST
DISCIN_WHEEL_ST	ERV Motion Sensor	0	0	1	NO_UNIT	WHEEL_ST
ANALOGIN_CMPA1SPD	Comp A1 Speed	0	0	0	HZ	CMPA1SPD
ANALOGIN_CMPA2SPD	Comp A2 Speed	0	0	0	HZ	CMPA2SPD
ANALOGIN_CMPB1SPD	Comp B1 Speed	0	0	0	HZ	CMPB1SPD
ANALOGIN_CMPB2SPD	Comp B2 Speed	0	0	0	HZ	CMPB2SPD
DISCIN_CMPFBKA1	Comp A1 Feedback	0	0	1	NO_UNIT	CMPFBKA1
DISCIN_CMPFBKA2	Comp A2 Feedback	0	0	1	NO_UNIT	CMPFBKA2
DISCIN_CMPFBKB1	Comp B1 Feedback	0	0	1	NO_UNIT	CMPFBKB1
DISCIN_CMPFBKB2	Comp B2 Feedback	0	0	1	NO_UNIT	CMPFBKB2
ANALOGIN_EXV_A1	EXV A1	0	0	100	PERCENT	EXV_A1
ANALOGIN_EXV_A2	EXV A2	0	0	100	PERCENT	EXV_A2
ANALOGIN_EXV_B1	EXV B1	0	0	100	PERCENT	EXV_B1
ANALOGIN_EXV_B2	EXV B2	0	0	100	PERCENT	EXV_B2
ANALOGIN_EXV	EXV	0	0	100	PERCENT	EXV_A1
ANALOGIN_DAMPPOS	OAD Feedback	0	0	0	PERCENT	DAMPPOS
OADCFG_DAMPLVL	OAD/RAD % Open Limit	50	0	100	PERCENT	DAMPLVL
ANALOGIN_IDFSPD	IDF Speed	0	0	0	PERCENT	IDFSPD
ANALOGIN_IDFRPM	IDF Speed RPM	0	0	0	RPM	IDFRPM
ANALOGIN_EFSPD	Exhaust Fan Speed	0	0	0	PERCENT	EFSPD
ANALOGIN_ODF1SPD	CF 1 Speed	0	0	0	HZ	ODF1SPD
ANALOGIN_ODF2SPD	CF 2 Speed	0	0	0	HZ	ODF2SPD
ANALOGIN_ODF3SPD	CF 3 Speed	0	0	0	HZ	ODF3SPD
ANALOGIN_IAQ	Indoor Air Quality	0	0	0	PPM	IAQOPRST
ANALOGIN_IAQNET	Net Indoor Air Quality	0	0	0	PPM	IAQNET
ANALOGIN_IAQLOC	Local Indoor Air Quality	0	0	0	PPM	IAQLOC
ANALOGIN_IAQR	IAQ Reset	0	0	0	PPM	IAQRNET
ANALOGIN_IAQRNET	Net IAQ Reset	0	0	0	PPM	IAQRNET
ANALOGIN_IAQRLOC	Local IAQ Reset	0	0	0	PPM	IAQRLOC
ANALOGIN_OAQ	Outdoor Air Quality	2000	0	0	PPM	OAQ
ANALOGIN_OAQNET	Net Outdoor Air Quality	0	0	0	PPM	OAQNET
ANALOGIN_OAQLOC	Local Outdoor Air Qualit	2000	0	0	PPM	OAQLOC
ANALGOUT_CMPA1CMD	Comp A1 Command	0	0	0	PERCENT	CMPA1CMD
ANALGOUT_CMPA2CMD	Comp A2 Command	0	0	0	PERCENT	CMPA2CMD
ANALGOUT_CMPB1CMD	Comp B1 Command	0	0	0	PERCENT	CMPB1CMD
ANALGOUT_CMPB2CMD	Comp B2 Command	0	0	0	PERCENT	CMPB2CMD
DISCOUT_CMPRELA1	Comp A1 Modulation RLY	0	0	1	NO_UNIT	CMPRELA1
DISCOUT_CMPRELA2	Comp A2 Modulation RLY	0	0	1	NO_UNIT	CMPRELA2
MDESTS_CIRCAMDN	Circuit A Mode	0	0	0	NO_UNIT	CIRCAMDN

APPENDIX B — BACNET, CCN NETWORK AND MODBUS POINTS FOR 48/50V (cont)

CCN — 48/50V Units — PIC 6.0, Version 2.X (cont)

POINT NAME	DESCRIPTION	DEFAULT VALUE	LOW LIMIT	HIGH LIMIT	UNITS	CCN NAME
MDESTS_CIRCAMDE	Circuit A Mode	0	0	0	NO_UNIT	CIRCAMDE
MDESTS_CIRCBMDN	Circuit B Mode	0	0	0	NO_UNIT	CIRCBMDN
MDESTS_CIRCBMDE	Circuit B Mode	0	0	0	NO_UNIT	CIRCBMDE
MDESTS_CMPA1MDN	Comp A1 Mode	0	0	0	NO_UNIT	CMPA1MDN
MDESTS_CMPA1MDE	Comp A1 Mode	0	0	0	NO_UNIT	CMPA1MDE
STATES_CMPA1STN	Comp A1 State	0	0	0	NO_UNIT	CMPA1STN
STATES_CMPA1STE	Comp A1 State	0	0	0	NO_UNIT	CMPA1STE
MDESTS_CMPA2MDN	Comp A2 Mode	0	0	0	NO_UNIT	CMPA2MDN
MDESTS_CMPA2MDE	Comp A2 Mode	0	0	0	NO_UNIT	CMPA2MDE
STATES_CMPA2STN	Comp A2 State	0	0	0	NO_UNIT	CMPA2STN
STATES_CMPA2STE	Comp A2 State	0	0	0	NO_UNIT	CMPA2STE
MDESTS_CMPB1MDN	Comp B1 Mode	0	0	0	NO_UNIT	CMPB1MDN
MDESTS_CMPB1MDE	Comp B1 Mode	0	0	0	NO_UNIT	CMPB1MDE
STATES_CMPB1STN	Comp B1 State	0	0	0	NO_UNIT	CMPB1STN
STATES_CMPB1STE	Comp B1 State	0	0	0	NO_UNIT	CMPB1STE
MDESTS_CMPB2MDN	Comp B2 Mode	0	0	0	NO_UNIT	CMPB2MDN
MDESTS_CMPB2MDE	Comp B2 Mode	0	0	0	NO_UNIT	CMPB2MDE
STATES_CMPB2STE	Comp B2 State	0	0	0	NO_UNIT	CMPB2STE
MDESTS_ODF1MDN	CF 1 Mode	0	0	0	NO_UNIT	ODF1MDN
MDESTS_ODF1MDE	ODF 1 Mode	0	0	0	NO_UNIT	ODF1MDE
STATES_ODF1STN	ODF A State	0	0	0	NO_UNIT	ODF1STN
STATES_ODF1STE	CF 1 State	0	0	0	NO_UNIT	ODF1STE
ANALGOUT_ODF1CMD	CF 1 Command	0	0	0	PERCENT	ODF1CMD
MDESTS_ODF2MDN	CF 2 Mode	0	0	0	NO_UNIT	ODF2MDN
MDESTS_ODF2MDE	CF 2 Mode	0	0	0	NO_UNIT	ODF2MDE
STATES_ODF2STN	CF 2 State	0	0	0	NO_UNIT	ODF2STN
STATES_ODF2STE	CF 2 State	0	0	0	NO_UNIT	ODF2STE
ANALGOUT_ODF2CMD	CF 2 Command	0	0	0	PERCENT	ODF2CMD
MDESTS_ODF3MDN	CF 3 Mode	0	0	0	NO_UNIT	ODF3MDN
MDESTS_ODF3MDE	CF 3 Mode	0	0	0	NO_UNIT	ODF3MDE
STATES_ODF3STN	CF 3 State	0	0	0	NO_UNIT	ODF3STN
STATES_ODF3STE	CF 3 State	0	0	0	NO_UNIT	ODF3STE
ANALGOUT_ODF3CMD	CF 3 Command	0	0	0	PERCENT	ODF3CMD
DISCOUT_CPA1	Compressor A1	0	0	1	NO_UNIT	CPA1
DISCOUT_CPA2	Compressor A2	0	0	1	NO_UNIT	CPA2
DISCOUT_CPB1	Compressor B1	0	0	1	NO_UNIT	CPB1
DISCOUT_CPB2	Compressor B2	0	0	1	NO_UNIT	CPB2
DISCOUT_ZDOR	Zone Damper Override RLY	0	0	1	NO_UNIT	ZDOR
DISCOUT_ODF	CF Relay	0	0	1	NO_UNIT	ODF1
DISCOUT_ODF1	CF 1 Relay	0	0	1	NO_UNIT	ODF1
DISCOUT_ODF2	CF 2 Relay	0	0	1	NO_UNIT	ODF2
DISCOUT_ODF3	CF 3 Relay	0	0	1	NO_UNIT	ODF3
STATES_CIRCASTN	Circuit A State	0	0	0	NO_UNIT	CIRCASTN
STATES_CIRCASTE	Circuit A State	0	0	0	NO_UNIT	CIRCASTE
STATES_CIRCBSTN	Circuit B State	0	0	0	NO_UNIT	CIRCBSTN
STATES_CIRCBSTE	Circuit B State	0	0	0	NO_UNIT	CIRCBSTE
ANALGOUT_EXVA1CMD	EXV A1 Cmd	0	0	0	PERCENT	EXVA1CMD
ANALGOUT_EXVA2CMD	EXV A2 Cmd	0	0	0	PERCENT	EXVA2CMD

APPENDIX B — BACNET, CCN NETWORK AND MODBUS POINTS FOR 48/50V (cont)

CCN — 48/50V Units — PIC 6.0, Version 2.X (cont)

POINT NAME	DESCRIPTION	DEFAULT VALUE	LOW LIMIT	HIGH LIMIT	UNITS	CCN NAME
ANALGOUT_EXVB1CMD	EXV B1 Cmd	0	0	0	PERCENT	EXVB1CMD
ANALGOUT_EXVB2CMD	EXV B2 Cmd	0	0	0	PERCENT	EXVB2CMD
MDESTS_EXVA1MDE	EXV A1 Mode	0	0	0	NO_UNIT	EXVA1MDE
MDESTS_EXVA2MDE	EXV A2 Mode	0	0	0	NO_UNIT	EXVA2MDE
MDESTS_EXVB1MDE	EXV B1 Mode	0	0	0	NO_UNIT	EXVB1MDE
MDESTS_EXVB2MDE	EXV B2 Mode	0	0	0	NO_UNIT	EXVB2MDE
STATES_EXVA1STE	EXV A1 State	0	0	0	NO_UNIT	EXVA1STE
STATES_EXVA2STE	EXV A2 State	0	0	0	NO_UNIT	EXVA2STE
STATES_EXVB1STE	EXV B1 State	0	0	0	NO_UNIT	EXVB1STE
STATES_EXVB2STE	EXV B2 State	0	0	0	NO_UNIT	EXVB2STE
OUTPUTS_EXVA1OBJ	EXV A1 Objective	0	0	0	NO_UNIT	EXVA1OBJ
OUTPUTS_EXVA2OBJ	EXV A2 Objective	0	0	0	NO_UNIT	EXVA2OBJ
OUTPUTS_EXVB1OBJ	EXV B1 Objective	0	0	0	NO_UNIT	EXVB1OBJ
OUTPUTS_EXVB2OBJ	EXV B2 Objective	0	0	0	NO_UNIT	EXVB2OBJ
DISCOUT_HMS	Reheat 3-way valve	0	0	1	NO_UNIT	HMS
ANALGOUT_HMV	HGRH Command	0	0	100	PERCENT	HMV
ANALGOUT_HMV2	HGRH 2 Command	0	0	100	PERCENT	HMV2
ANALOGIN_HMD	HGRH Valve Feedback	0	0	0	PERCENT	HMD
ANALOGIN_HMD2	HGRH Valve 2 Feedback	0	0	0	PERCENT	HMD2
ANALGOUT_IDFCMD	IDF1 Control Command	0	0	0	PERCENT	IDFCMD
MDESTS_IDFMDNUM	Indoor Fan Mode	0	0	0	NO_UNIT	IDFMDNUM
MDESTS_IDFMDE	Indoor Fan Mode	0	0	0	NO_UNIT	IDFMDE
STATES_IDFNUM	Indoor Fan State	0	0	0	NO_UNIT	IDFNUM
STATES_IDFSTE	Indoor Fan State	0	0	0	NO_UNIT	IDFSTE
ANALGOUT_DAMPCMD	OAD Command	0	0	0	PERCENT	DAMPCMD
MDESTS_HEATRMDN	Heater Mode	0	0	0	NO_UNIT	HEATRMDN
MDESTS_HEATRMDE	Heater Mode	0	0	0	NO_UNIT	HEATRMDE
STATES_HEATRSTN	Heater State	0	0	0	NO_UNIT	HEATRSTN
STATES_HEATRSTE	Heater State	0	0	0	NO_UNIT	HEATRSTE
DISCOUT_AUTOADDR	Fan Auto Address	0	0	1	NO_UNIT	AUTOADDR
DISCOUT_STGHEAT1	Heat Enable 1	0	0	1	NO_UNIT	STGHEAT1
DISCOUT_STGHEAT2	Heat Enable 2	0	0	1	NO_UNIT	STGHEAT2
DISCOUT_STGHEAT3	Heat Enable 3	0	0	1	NO_UNIT	STGHEAT3
DISCOUT_STGHEAT4	Heat Enable 4	0	0	1	NO_UNIT	STGHEAT4
DISCOUT_STGHEAT5	Heat Enable 5	0	0	1	NO_UNIT	STGHEAT5
DISCOUT_STGHEAT6	Heat Enable 6	0	0	1	NO_UNIT	STGHEAT6
DISCOUT_CCHRA	CCH A	0	0	1	NO_UNIT	CCHRA
DISCOUT_CCHRB	CCH B	0	0	1	NO_UNIT	CCHRB
DISCOUT_CCHR	CCH	0	0	1	NO_UNIT	CCHRA
DISCOUT_ERVWHEEL	ERV Wheel	0	0	1	NO_UNIT	ERVWHEEL
DISCOUT_BYP_DAMP	ERV Bypass Damper	0	0	1	NO_UNIT	BYP_DAMP
AIRPRESS_BP	Building Pressure (BP)	0	0	0	IN_H2O	BP
AIRPRESS_BPNET	Net Building Pressure	0	0	0	IN_H2O	BPNET
AIRPRESS_BPLOC	Local Building Pressure	0	0	0	IN_H2O	BPLOC
RFGPRESS_DPA	Cir A Discharge Pressure	0	0	0	PSIG	DPA
RFGPRESS_DPB	Cir B Discharge Pressure	0	0	0	PSIG	DPB
RFGPRESS_DP	Discharge Pressure	0	0	0	PSIG	DPA
AIRPRESS_SDP	Supply Pressure (SP)	0	0	0	IN_H2O	SDP

APPENDIX B — BACNET, CCN NETWORK AND MODBUS POINTS FOR 48/50V (cont)

CCN — 48/50V Units — PIC 6.0, Version 2.X (cont)

POINT NAME	DESCRIPTION	DEFAULT VALUE	LOW LIMIT	HIGH LIMIT	UNITS	CCN NAME
AIRPRESS_SDP_LOC	Local Supply Pressure	0	0	0	IN_H2O	SDP_LOC
AIRPRESS_SDP_NET	Network Supply Pressure	0	0	0	IN_H2O	SDP_NET
RFGPRESS_SPA	Cir A Suction Pressure	0	0	0	PSIG	SPA
RFGPRESS_SPB	Cir B Suction Pressure	0	0	0	PSIG	SPB
RFGPRESS_SP	Suction Pressure	0	0	0	PSIG	SPA
SERVICE_MINTDWN	Minimum Heat Command	0	0	100	PERCENT	MINTDWN
SERVICE_NETINTO	Network Input Timeout	10	1	30	MINUTES	NETINTO
IDFSTP_DUCTSET	Supply Pressure	1.5	0	2.5	IN_H2O	DUCTSET
CNDSTP_SDTTEMP1	SDT Setpoint 1	0	0	0	DEGREE_F	SDTTEMP1
CNDSTP_SDTTEMP2	SDT Setpoint 2	0	0	0	DEGREE_F	SDTTEMP2
CNDSTP_SDTTEMP3	SDT Setpoint 3	0	0	0	DEGREE_F	SDTTEMP3
EXVSTP_SupHtA1	A1 Superheat Setpoint	0	0	0	DEGREE_F	SupHtA1
EXVSTP_SupHtA2	A2 Superheat Setpoint	0	0	0	DEGREE_F	SupHtA2
EXVSTP_SupHtB1	B1 Superheat Setpoint	0	0	0	DEGREE_F	SupHtB1
EXVSTP_SupHtB2	B2 Superheat Setpoint	0	0	0	DEGREE_F	SupHtB2
EXVSTP_EXVSTA1	A1 Start Pos	35	0	100	PERCENT	EXVSTA1
EXVSTP_EXVSTA2	A2 Start Pos	35	0	100	PERCENT	EXVSTA2
EXVSTP_EXVSTB1	B1 Start Pos	35	0	100	PERCENT	EXVSTB1
EXVSTP_EXVSTB2	B2 Start Pos	35	0	100	PERCENT	EXVSTB2
COOLCFG_CCHTHA	CCH A OAT Lockout	80	50	90	DEGREE_F	CCHTHA
COOLCFG_CCHTHB	CCH B OAT Lockout	80	50	90	DEGREE_F	CCHTHB
COOLCFG_CCHTH	CCH OAT Lockout	0	0	0	DEGREE_F	CCHTHA
LABONLY_CAPAPCT	System Capacity Req %	0	0	0	NO_UNIT	CAPAPCT
LABONLY_CAPACT	System Capacity Act %	0	0	0	NO_UNIT	CAPACT
RFGTEMP_CCT	Cooling Coil Temp	0	0	0	DEGREE_F	CCT
COOLSTP_ACTV_SP	SAT Setpt	0	0	0	DEGREE_F	ACTV_SP
AIRTEMP_OAT	Outside Air Temp (OAT)	0	0	0	DEGREE_F	OAT
AIRTEMP_OATNET	Net OAT	0	0	0	DEGREE_F	OATNET
AIRTEMP_OATLOC	Local Outside Air Temp	0	0	0	DEGREE_F	OATLOC
AIRTEMP_OADP	Outside Air Dew Point	0	0	0	DEGREE_F	OADP
RFGTEMP_OILTSMPA	Oil Sump Temp	0	0	0	DEGREE_F	OILTSMPA
AIRTEMP_RAT	Return Air Temp (RAT)	0	0	0	DEGREE_F	RAT
AIRTEMP_SAT	Supply Air Temp (SAT)	0	0	0	DEGREE_F	SAT
AIRTEMP_SADP	Supply Air Dew Point	0	0	0	DEGREE_F	SADP
AIRTEMP_SPT	Space Temp (SPT)	0	0	0	DEGREE_F	SPT
AIRTEMP_SPTNET	Net SPT	0	0	0	DEGREE_F	SPTNET
AIRTEMP_SPTLOC	Local Space Temp	0	0	0	DEGREE_F	SPTLOC
AIRTEMP_SPTO	Space Temp Offset	0	0	0	DEGREE_F	SPTO
AIRTEMP_SPTONET	Net Space Temp Offset	0	0	0	DEGREE_F	SPTONET
AIRTEMP_MAT	Mixed Air Temp (MAT)	0	0	0	DEGREE_F	MAT
AIRTEMP_EAT	Exhaust Air Temp (EAT)	0	0	0	DEGREE_F	EAT
RFGTEMP_SDTA	Saturated Discharge CirA	0	0	0	DEGREE_F	SDTA
RFGTEMP_SDTB	Saturated Discharge CirB	0	0	0	DEGREE_F	SDTB
RFGTEMP_SDT	Sat Dischge Temp	0	0	0	DEGREE_F	SDTA
RFGTEMP_SGTA1	Suction Gas Temp Cir A1	0	0	0	DEGREE_F	SGTA1
RFGTEMP_SGTA2	Suction Gas Temp Cir A2	0	0	0	DEGREE_F	SGTA2
RFGTEMP_SGTB1	Suction Gas Temp Cir B1	0	0	0	DEGREE_F	SGTB1
RFGTEMP_SGTB2	Suction Gas Temp Cir B2	0	0	0	DEGREE_F	SGTB2

APPENDIX B — BACNET, CCN NETWORK AND MODBUS POINTS FOR 48/50V (cont)

CCN — 48/50V Units — PIC 6.0, Version 2.X (cont)

POINT NAME	DESCRIPTION	DEFAULT VALUE	LOW LIMIT	HIGH LIMIT	UNITS	CCN NAME
RFGTEMP_SGT	Suction Gas Temp	0	0	0	DEGREE_F	SGTA1
RFGTEMP_SSHA1	A1 Superheat Temp	0	0	0	DEGREE_F	SSHA1
RFGTEMP_SSHA2	A2 Superheat Temp	0	0	0	DEGREE_F	SSHA2
RFGTEMP_SSHB1	B1 Superheat Temp	0	0	0	DEGREE_F	SSHB1
RFGTEMP_SSHB2	B2 Superheat Temp	0	0	0	DEGREE_F	SSHB2
RFGTEMP_SSH	Superheat Temp	0	0	0	DEGREE_F	SSHA1
RFGTEMP_SSTA	Saturated Suction A	0	0	0	DEGREE_F	SSTA
RFGTEMP_SSTB	Saturated Suction B	0	0	0	DEGREE_F	SSTB
RFGTEMP_SST	Sat Suction Temp	0	0	0	DEGREE_F	SSTA
DISCIN_TSTAT_Y1	Lo Cool Input (Y1)	0	0	1	NO_UNIT	TSTAT_Y1
DISCIN_TSTAT_Y2	Hi Cool Input (Y2)	0	0	1	NO_UNIT	TSTAT_Y2
DISCIN_TSTAT_W1	Lo Heat Input (W1)	0	0	1	NO_UNIT	TSTAT_W1
DISCIN_TSTAT_W2	Hi Heat Input (W2)	0	0	1	NO_UNIT	TSTAT_W2
DISCIN_TSTAT_G	Indoor Fan Input (G)	0	0	1	NO_UNIT	TSTAT_G
DISCIN_DEHUMSW	Dehumidify Switch	0	0	1	NO_UNIT	DEHUMSW
DISCIN_DEHUMLOC	Dehum Switch Local	0	0	1	NO_UNIT	DEHUMLOC
ALARMRST_ALM_STAT	Alarm State	0	0	0	NO_UNIT	ALM_STAT
ALARMRST_RST_ALM	Alarm Reset	0	0	1	NO_UNIT	RST_ALM
ALARMRST_alarm_1	Jbus Current Alarm 1	0	0	0	NO_UNIT	alarm_1c
ALARMRST_alarm_1c	Current Alarm 1	0	0	0	NO_UNIT	alarm_1c
ALARMRST_alarm_2	Jbus Current Alarm 2	0	0	0	NO_UNIT	alarm_2c
ALARMRST_alarm_2c	Current Alarm 2	0	0	0	NO_UNIT	alarm_2c
ALARMRST_alarm_3	Jbus Current Alarm 3	0	0	0	NO_UNIT	alarm_3c
ALARMRST_alarm_3c	Current Alarm 3	0	0	0	NO_UNIT	alarm_3c
ALARMRST_alarm_4	Jbus Current Alarm 4	0	0	0	NO_UNIT	alarm_4c
ALARMRST_alarm_4c	Current Alarm 4	0	0	0	NO_UNIT	alarm_4c
ALARMRST_alarm_5	Jbus Current Alarm 5	0	0	0	NO_UNIT	alarm_5c
ALARMRST_alarm_5c	Current Alarm 5	0	0	0	NO_UNIT	alarm_5c
CTRLID_CCNIP_NETIF_NAME	CCN IP Ethernet Iface	eth1	0	0	NO_UNIT	CCNIPIF
CTRLID_CCN_ADDR	CCN address	1	1	239	NO_UNIT	CCN_ADDR
CTRLID_CCN_BAUD_PRI	Primary bus Baud rate	9600	9600	38400	NO_UNIT	CCN_BAUD
CTRLID_CCN_BUS	CCN bus number	0	0	239	NO_UNIT	CCN_BUS
CTRLID_CCN_IP_PORT	Port for SERVICE comm	50005	0	0	NO_UNIT	CCNIPPRT
CTRLID_CCN_RTER_PORT	SERVICE Router Port	50005	0	0	NO_UNIT	CCNRTRPT
CTRLID_CCN_RTER_ROLE	SERVICE Node Role	2	0	2	NO_UNIT	CCNRTRRL
CTRLID_MODEL_NB	Model Number	—	0	0	NO_UNIT	MODEL_NB
CTRLID_SERIALNB	Serial Number	—	0	0	NO_UNIT	SERIALNB
EMAILCFG_accP1	Account Email Part1	—	0	0	NO_UNIT	accP1
EMAILCFG_accP2	Account Email Part2	—	0	0	NO_UNIT	accP2
EMAILCFG_accPass	Account Password	—	0	0	NO_UNIT	accPass
EMAILCFG_portNbr	Port Number	0	0	0	NO_UNIT	portNbr
EMAILCFG_recip1	Recip1 Email	—	0	0	NO_UNIT	recip1P1
EMAILCFG_recip2	Recip2 Email	—	0	0	NO_UNIT	recip2P1
EMAILCFG_recip1P1	Recip1 Email Part1	—	0	0	NO_UNIT	recip1P1
EMAILCFG_recip1P2	Recip1 Email Part2	—	0	0	NO_UNIT	recip1P2
EMAILCFG_recip2P1	Recip2 Email Part1	—	0	0	NO_UNIT	recip2P1
EMAILCFG_senderP1	Sender Email Part1	—	0	0	NO_UNIT	senderP1
EMAILCFG_senderP2	Sender Email Part2	—	0	0	NO_UNIT	senderP2

APPENDIX B — BACNET, CCN NETWORK AND MODBUS POINTS FOR 48/50V (cont)

CCN — 48/50V Units — PIC 6.0, Version 2.X (cont)

POINT NAME	DESCRIPTION	DEFAULT VALUE	LOW LIMIT	HIGH LIMIT	UNITS	CCN NAME
EMAILCFG_srvTim	Server Timeout	0	0	0	NO_UNIT	srvTim
PLTSPRT_rs485_u1_tres	LEN Port J6 Term Res	0	0	1	NO_UNIT	u1_tres
PLTSPRT_rs485_u3_tres	CCN Port J7 Term Res	0	0	1	NO_UNIT	u3_tres
PLTSPRT_rs485_u4_tres	Mod Master J10 Term Res	0	0	1	NO_UNIT	u4_tres
PLTSPRT_rs485_u5_tres	BMS Port J8 Term Res	0	0	1	NO_UNIT	u5_tres
ALERTCFG_HIGH_SST	High SST Time	10	0	0	MINUTES	HIGH_SST
ALERTCFG_SP_LLMT	SP Low Limit	0.1	0	0.5	IN_H2O	SP_LLMT
ALERTCFG_SP_HLMT	SP High Limit	2	1.5	2.2	IN_H2O	SP_HLMT
ALERTCFG_SPTLLMTO	SPT Low Occu Limit	60	–10	245	DEGREE_F	SPTLLMTO
ALERTCFG_SPTHLMTO	SPT High Occu Limit	85	–10	245	DEGREE_F	SPTHLMTO
ALERTCFG_SPTLLMTU	SPT Low Unoc Limit	45	–10	245	DEGREE_F	SPTLLMTU
ALERTCFG_SPTHLMTU	SPT High Unoc Limit	100	–10	245	DEGREE_F	SPTHLMTU
ALERTCFG_SATLLMTO	SAT Low Occu Limit	40	0	45	DEGREE_F	SATLLMTO
ALERTCFG_SATHLMTO	SAT High Occu Limit	130	105	160	DEGREE_F	SATHLMTO
ALERTCFG_SATLLMTU	SAT Low Unoc Limit	40	0	45	DEGREE_F	SATLLMTU
ALERTCFG_SATHLMTU	SAT High Unoc Limit	130	105	160	DEGREE_F	SATHLMTU
ALERTCFG_RATLLMTO	RAT Low Occu Limit	60	–40	245	DEGREE_F	RATLLMTO
ALERTCFG_RATHLMTO	RAT High Occu Limit	90	–40	245	DEGREE_F	RATHLMTO
ALERTCFG_RATLLMTU	RAT Low Unoc Limit	40	–40	245	DEGREE_F	RATLLMTU
ALERTCFG_RATHLMTU	RAT High Unoc Limit	100	–40	245	DEGREE_F	RATHLMTU
ALERTCFG_RARH_LT	RARH Low Limit	0	0	100	PERCENT	RARH_LT
ALERTCFG_RARH_HT	RARH High Limit	100	0	100	PERCENT	RARH_HT
ALERTCFG_BP_LLMT	BP Low Limit	–0.1	–0.15	0	IN_H2O	BP_LLMT
ALERTCFG_BP_HLMT	BP High Limit	0.1	0	0.15	IN_H2O	BP_HLMT
ALERTCFG_IAQ_HLMT	IAQ High Limit	1200	0	5000	PPM	IAQ_HLMT
ALERTCFG_OAT_LLMT	OAT Low Limit	–40	0	0	DEGREE_F	OAT_LLMT
ALERTCFG_OAT_HLMT	OAT High Limit	150	0	0	DEGREE_F	OAT_HLMT
ALERTCFG_SAT_LTMP	SAT Low Limit	45	0	50	DEGREE_F	SAT_LTMP
ALERTCFG_SAT_HTMP	SAT High Limit	130	105	160	DEGREE_F	SAT_HTMP
DISCIN_HT_ALARM	Heat Alarm	0	0	1	NO_UNIT	HT_ALARM
UNITCFG_PG_SP_EN	Prognostics SP Enable	0	0	1	NO_UNIT	PG_SP_EN
UNITCFG_PG_BP_EN	Prognostics BP Enable	0	0	1	NO_UNIT	PG_BP_EN
UNITCFG_PG_BP_DB	Prognostics BP Deadband	0.05	0	1	IN_H2O	PG_BP_DB
UNITCFG_PG_SP_DB	Prognostics SP Deadband	0.25	0	5	IN_H2O	PG_SP_DB
ALERTCFG_OFF_PRES	Off Press Ratio	–0.2	–1	1	PSIG	OFF_PRES
ALERTCFG_CMPCMD_T	Compressor Cmd Time	15	1	30	SECONDS	CMPCMD_T
ALERTCFG_MINSUCB	Min Suc Chg Cir B	20	0	99	PSIG	MINSUCB
ALERTCFG_MINDISB	Min Disc Chg Cir B	11	0	99	PSIG	MINDISB
ALERTCFG_MINSUCA	Min Suc Chg Cir A	20	0	99	PSIG	MINSUCA
ALERTCFG_MINDISA	Min Disc Chg Cir A	11	0	99	PSIG	MINDISA
ALERTCFG_IAQ_LOW	IAQ Low Range	0	0	0	PPM	IAQ_LOW
ALERTCFG_IAQ_HI	IAQ High Range	5000	0	0	PPM	IAQ_HI
ALERTCFG_OCFMSENS	Outdoor Air CFM	0	0	1	CFM	OCFMSENS
ALERTCFG_ECMINCFM	OAD Min CFM	0	0	0	CFM	ECMINCFM
ALERTCFG_MAINFLT	Pre-Filter Change Time	2000	168	8760	HOURS	MAINFLT
ALERTCFG_POSTFL	Final Filter Reminder	2880	0	43200	NO_UNIT	POSTFL
ALERTCFG_MSDPT	Static Duct Press Limit	3	0	5	IN_H2O	MSDPT
ALERTCFG_CP_C_TH	Comp Cycling Threshold	200	0	0	MINUTES	CP_C_TH

APPENDIX B — BACNET, CCN NETWORK AND MODBUS POINTS FOR 48/50V (cont)

CCN — 48/50V Units — PIC 6.0, Version 2.X (cont)

POINT NAME	DESCRIPTION	DEFAULT VALUE	LOW LIMIT	HIGH LIMIT	UNITS	CCN NAME
MDESTS_DMD_DET	Demand Determination	0	0	0	NO_UNIT	DMD_DET
MDESTS_DMDDETSP	Demand Det Setpt	0	0	0	NO_UNIT	DMDDETSP
MDESTS_OP_STATE	Operational State	0	0	0	NO_UNIT	OP_STATE
ALERTCFG_LOCK_OUT	Lockout Notification	0	0	0	NO_UNIT	LOCK_OUT
ALERTCFG_LSST4T	Low SST 4Min Threshold	20	–30	40	DEGREE_F	LSST4T
ALERTCFG_LSST2T	Low SST 2Min Threshold	10	–30	40	DEGREE_F	LSST2T
ALERTCFG_LSST1T	Low SST 1Min Threshold	0	–30	40	DEGREE_F	LSST1T
ALERTCFG_LSST20sT	Low SST 20Sec Threshold	–20	–30	40	DEGREE_F	LSST20sT
ALERTCFG_COFS_ACT	COFS Action	0	0	0	NO_UNIT	COFS_ACT
ALERTCFG_COFS_TRP	COFS Trips	5	1	20	NO_UNIT	COFS_TRP
ALERTCFG_COFS_TME	COFS Time	5	1	20	HOURS	COFS_TME
ALERTCFG_LPRL	Low Press Ratio Limit	1.3	1	2	PSIG	LPRL
ALERTCFG_LSSHTIME	Low SSH Alert Time	30	5	120	SECONDS	LSSHTIME
LABONLY_DHUM_REQ	Dehum Request	0	0	0	NO_UNIT	DHUM_REQ
HEATCFG_PRFLO	Prefer Low Stage Heat	0	0	0	NO_UNIT	PRFLO
COOLCFG_LCRCO	Low Cap Req Comp On	1	0	1	NO_UNIT	LCRCO
DHUMCFG_RVWT	Reheat Valve Wait Time	1	0	120	MINUTES	RVWT
LAB_SATCTLPT	SAT Control Point	0	0	0	DEGREE_F	SATCTLPT
HEATCFG_HTMPDVNT	Heat Tempered Venting	0	0	0	NO_UNIT	HTMPDVNT
SVCOUT_SASR	Supply Air SetPt Reset	0	0	0	NO_UNIT	SASR
HEATCFG_MSHMINST	Multstg Heat Min Stg Tm	30	10	300	SECONDS	MSHMINST
SERVICE_TCSTCOOL	TC Start Cool Factor	0	0	60	NO_UNIT	TCSTCOOL
SERVICE_TCSTHEAT	TC Start Heat Factor	0	0	60	NO_UNIT	TCSTHEAT
MDESTS_MODETCST	Temp Compensated Start	0	0	0	NO_UNIT	MODETCST
SVCOUT_BIASTIME	Temp Cmp Start Bias Time	0	0	255	MINUTES	BIASTIME
STATES_MINTILOC	Time Until Next Occupied	0	0	0	MINUTES	MINTILOC
IDFCFG_HPREIDFT	Heat Pre-IDF Time	30	0	120	SECONDS	HPREIDFT
STATES_OCCSRNUM	Occupancy Source	0	0	0	NO_UNIT	OCCSRNUM
STATES_OCCSRC	Occupancy Source	0	0	0	NO_UNIT	OCCSRC
FACTORY_EOL_TEST	End of Line Test	0	0	1	NO_UNIT	EOL_TEST
FACTORY_AUTOA_EN	Papst Autoaddress Enable	0	0	1	NO_UNIT	AUTOA_EN
OADCFG_MINOADCP	Min OAD Control Point	75	0	100	PERCENT	MINOADCP
OADCFG_IAQSBVEN	IAQ Vent Standby Demand	0	0	1	NO_UNIT	IAQSBVEN
FRECLCFG_DIFFENTH	Diff Enthalpy Threshold	0.5	0	2	BTU_LB	DIFFENTH
STATES_OKTOFRCL	Free Cooling Available	0	0	0	NO_UNIT	OKTOFRCL
GENUNIT_PREFLTR_SRC	Pre-Filter Source	0	0	3	NO_UNIT	PFLTRSRC
GENUNIT_PREFLTR_LIM	Pre-Filter Press Limit	1.5	0.5	5	IN_H2O	PFLTRLIM
CCN_MINADD	Minuts to add for DST	60	0	90	NO_UNIT	MINADD
CCN_MINSUB	Minutes to be substracted in DST	60	0	90	NO_UNIT	MINSUB
CCN_STARTMNTH	DST start month	3	1	12	NO_UNIT	STARTMTH
CCN_STARTWEEK	DST start week	2	1	5	NO_UNIT	STARTWK
CCN_STARTD	DST start day of the week	7	1	7	NO_UNIT	STARTD
CCN_STOPMNTH	DST stop month	3	1	12	NO_UNIT	STOPMNTH
CCN_STOPWEEK	DST stop week	2	1	5	NO_UNIT	STOPWEEK
CCN_STOPD	DST stop day of the week	7	1	7	NO_UNIT	STOPD
CCN_DST_TOD	Time of the Day for DST	120	120	1439	NO_UNIT	DST_TOD
CCN_BMS_CFG	Config point for DST	0	0	2	NO_UNIT	BMSCFG
CCN_DST_STATUS	CCN DST status	0	0	1	NO_UNIT	DST_STAT

APPENDIX B — BACNET, CCN NETWORK AND MODBUS POINTS FOR 48/50V (cont)

CCN — 48/50V Units — PIC 6.0, Version 2.X (cont)

POINT NAME	DESCRIPTION	DEFAULT VALUE	LOW LIMIT	HIGH LIMIT	UNITS	CCN NAME
CCN_TIME_SYNC	to know timesync	0	0	1	NO_UNIT	TIMESYNC
UNITCFG_OCC_OT	Occupancy Override Time	2	0	4	HOURS	OCC_OT
DISCIN_INRFGLK	Indoor RFG Sensor ALM	0	0	1	NO_UNIT	INRFGLK
DISCIN_OUTRFGLK	Outdoor RFG Sensor ALM	0	0	1	NO_UNIT	OUTRFGLK
CCN_SCHEDNUM	Schedule Number	0	0	99	NO_UNIT	SCHEDNUM
CCN_GSBC	Global Schedule Broadcast	0	0	1	NO_UNIT	GSBC
CCNBC	CCN Time Broadcast	0	0	1	NO_UNIT	CCNBC
CCNBCACK	CCN B-cast Acknowledger	0	0	1	NO_UNIT	CCNBCACK
BMS_CFG	Primary BAS Protocol	0	0	2	NO_UNIT	BMS_CFG
HCSTATUS_HEATREQ	Heat Request from UI	0	0	0	PERCENT	HEATREQ
ANALGOUT_HEATCMD	Actual heat command	0	0	0	PERCENT	HEATCMD
STATES_PURGEACT	Pre-Occ Purge State	0	0	1	NO_UNIT	PURGEACT
LAB_OACFMCP	OA CFM Control Point	0	0	0	NO_UNIT	OACFMCP
VOACFM_MINCP	Vent OA CFM Min CP	40000	0	0	NO_UNIT	MINCP
HEATCFG_HT2DTG	Heat 2Stage Dn Timeguard	120	30	300	SECONDS	HT2DTG
ZS_OCC	ZS Displayed OCC	0	0	0	NO_UNIT	ZS_OCCSB
ANALOGIN_IAQOPRST	IAQ OAD Pos Reset	0	0	0	PERCENT	IAQOPRST
ANALOGIN_IAQORNET	Net IAQ OAD Pos Reset	0	0	0	PERCENT	IAQORNET
ANALOGIN_IAQORLOC	Local IAQ OAD Pos Reset	0	0	0	PERCENT	IAQORLOC
OACFM_DUCTAREA	OACFM Duct Area	0	0	0	SQFT	DUCTAREA
EQUIPCFG_FRACCOR1	Ambient Air Fraction 1	0	0	0	DEGREE_F	FRACCOR1
EQUIPCFG_FRACCOR2	Ambient Air Fraction 2	0	0	0	DEGREE_F	FRACCOR2
EQUIPCFG_FRACCOR3	Ambient Air Fraction 3	0	0	0	DEGREE_F	FRACCOR3
EQUIPCFG_FRACCOR4	Ambient Air Fraction 4	0	0	0	DEGREE_F	FRACCOR4
EQUIPCFG_FRACCOR5	Ambient Air Fraction 5	0	0	0	DEGREE_F	FRACCOR5
STATUS_FRCLDIAG	Free Cooling Diagnostic	0	0	0	NO_UNIT	FRCLDIAG
LINKAGE_SUPE_ADR	Linkage Supervisory Elem	0	0	239	NO_UNIT	SUPR_ADR
LINKAGE_SUPE_BUS	Linkage Supervisory Bus	0	0	239	NO_UNIT	SUPR_BUS
LINKAGE_BLOCKNUM	Supervisory Block	0	0	255	NO_UNIT	BLOCKNUM
LINKAGE_AOHS	Avg Occ Heat Setpoint	0	–40	245	DEGREE_F	AOHS
LINKAGE_AOCS	Avg Occ Cool Setpoint	0	–40	245	DEGREE_F	AOCS
LINKAGE_AUHS	Avg Unocc Heat Setpoint	0	–40	245	DEGREE_F	AUHS
LINKAGE_AUCS	Avg Unocc Cool Setpoint	0	–40	245	DEGREE_F	AUCS
LINKAGE_AZT	Avg Zone Temp	0	–40	245	DEGREE_F	AZT
LINKAGE_AOZT	Avg Occ Zone Temp	0	–40	245	DEGREE_F	AOZT
LINKAGE_LNEXTOCT	Next Occupied Time	0	0	0	NO_UNIT	LNEXTOCT
LINKAGE_LNEXTUNT	Next Unoccupied Time	0	0	0	NO_UNIT	LNEXTUNT
LINKAGE_LLASTUNT	Last Unoccupied Time	0	0	0	NO_UNIT	LLASTUNT
LINKAGE_LNEXTOCD	Next Occupied Day	0	0	0	NO_UNIT	LNEXTOCD
LINKAGE_LNEXTUOD	Next Unoccupied Day	0	0	0	NO_UNIT	LNEXTUOD
LINKAGE_LLASTUOD	Last Unoccupied Day	0	0	0	NO_UNIT	LLASTUOD
IDFCFG_SDPRTIME	SDP Reset Time	15	5	30	MINUTES	SDPRTIME
IDFCFG_SDPRZDP	SDP Reset ZDP Threshold	85	40	100	PERCENT	SDPRZDP
ANALOGIN_ZDPNET	Net Zone Damper Position	0	0	0	PERCENT	ZDPNET
ANALOGIN_ZDP	Zone Damper Position	0	0	0	PERCENT	ZDP
OCCSBNET	Occupied Standby Net	0	0	0	NO_UNIT	OCCSBNET
ZS_OCCSB	Occupied Standby ZS	0	0	0	NO_UNIT	ZS_OCCSB
OCCSB	Occupied Standby	0	0	0	NO_UNIT	OCCSB_EN

APPENDIX B — BACNET, CCN NETWORK AND MODBUS POINTS FOR 48/50V (cont)

CCN — 48/50V Units — PIC 6.0, Version 2.X (cont)

POINT NAME	DESCRIPTION	DEFAULT VALUE	LOW LIMIT	HIGH LIMIT	UNITS	CCN NAME
HEATCFG_HEAT_FOD	Heat Fan Off Delay Timer	45	30	120	SECONDS	HEAT_FOD
FACTORY_OILRHLDT	Oil Recovery Hold Time	45	45	120	MINUTES	OILRHLDT
COOLCFG_VSCFS_OR	VSC Fixed Speed Override	0	0	1	NO_UNIT	VSCFS_OR
FACTORY_ECCMDMIN	Economizer Command Min	1.97	0	3	VOLTS	ECCMDMIN
FACTORY_ECCMDMAX	Economizer Command Max	9.93	8	10	VOLTS	ECCMDMAX
FACTORY_ECFBMIN	Economizer Feedback Min	0.92	0	2	VOLTS	ECFBMIN
FACTORY_ECFBMAX	Economizer Feedback Max	4.6	3	5	VOLTS	ECFBMAX
FACTORY_RADCMDMN	RAD Command Min	10	8	10	VOLTS	RADCMDMN
FACTORY_RADCMDMX	RAD Command Max	2	0	3	VOLTS	RADCMDMX
FACTORY_RADFBMIN	RAD Feedback Min	10	8	10	VOLTS	RADFBMIN
FACTORY_RADFBMAX	RAD Feedback Max	2	0	3	VOLTS	RADFBMAX
FACTORY_OADTVLTM	Economizer Travel TIme	60	30	120	SECONDS	OADTVLTM
FACTORY_RADTVLTM	RAD Travel TIme	60	30	120	SECONDS	RADTVLTM
SERVICE_MAXOACFM	OACFM Sensor Max Range	11000	1	40000	CFM	MAXOACFM
ERVCFG_MAXBYPOP	ERV Fan Max Bypass Open	100	0	100	PERCENT	MAXBYPOP
ERVCFG_MAXBYPCL	ERV Fan Max Bypass Close	100	0	100	PERCENT	MAXBYPCL
ERVCFG_ERVMINPS	ERV Fan Damper Min Pos	10	0	100	PERCENT	ERVMINPS
ERVCFG_WHMINPOS	ERV Wheel-Minimum Pos	10	0	100	PERCENT	WHMINPOS
ERVCFG_ERVEFMIN	ERV Wheel Exh Min Speed	0	0	100	PERCENT	ERVEFMIN
ERVCFG_OFFTMPDB	ERV Off Temp DB	5	0	10	DELTA_F	OFFTMPDB
ERVCFG_OFFENTDB	ERV Off Enthalpy DB	0.5	0	2	BTU_LB	OFFENTDB
MDESTS_ERVCHECK	ERV Check Status	0	0	1	NO_UNIT	ERVCHECK
OADCFG_OABPOREN	Bld Pressure Override En	0	0	1	NO_UNIT	OABPOREN
OADCFG_OABPORTH	Bld Pressure Threshold	0.02	0	0.2	IN_H2O	OABPORTH
OADCFG_OABPORDB	Bld Pressure Deadband	0.01	0	0.05	IN_H2O	OABPORDB
FACTORY_OILRECSP	Oil Recovery Speed	140	50	200	HZ	OILRECSP
FACTORY_OILTIME1	Oil Recovery Time 1	90	10	500	SECONDS	OILTIME1
FACTORY_OILTIME2	Oil Recovery Time 2	210	5	500	SECONDS	OILTIME2
AIRQUAL_MAXRANGE	Air Quality Max Range	2000	0	0	PPM	AQMAXRNG
ALARM046_ENABLE	Cir Unexpected Off Alarm	0	0	1	NO_UNIT	ALRM46EN
CMPASTS_ORTMLFTA	Cir A Oil Rec Time Left	0	0	0	SECONDS	ORTMLFTA
CMPBSTS_ORTMLFTB	Cir B Oil Rec Time Left	0	0	0	SECONDS	ORTMLFTB
CMPASTS_BOOSTSTA	Cir A VSC Boost State	0	0	0	NO_UNIT	BOOSTSTA
CMPASTS_BOOSTXTA	Cir A VSC Boost Status	0	0	0	NO_UNIT	BOOSTXTA
EQUIPCFG_IDFVFDBY	IDF VFD Bypass	0	0	1	NO_UNIT	IDFVFDBY
DISCOUT_IDFBYREL	IDF VFD Bypass Relay	0	0	1	NO_UNIT	IDFBYREL
IDFFDBK_STATUS	IDF Feedback Status	1	0	1	NO_UNIT	IDFFDBK
ALERTCFG_SSHAPLLO	Low SSH A Part Load Alrt	9	7	15	DEGREE_F	SSHAPLLO
ALERTCFG_SSHAFLLO	Low SSH A Full Load Alrt	4	2	10	DEGREE_F	SSHAFLLO
ALERTCFG_SSHBPLLO	Low SSH B Part Load Alrt	9	7	15	DEGREE_F	SSHBPLLO
ALERTCFG_SSHBFLLO	Low SSH B Full Load Alrt	4	2	10	DEGREE_F	SSHBFLLO
DANFOSS_HTSNKTMP	Heatsink Temperature	0	0	0	DEGREE_F	HTSNKTMP
GENUNIT_ECONCAL	Econ Start Calibration	0	0	1	NO_UNIT	ECONCAL
SERVICE_RCYCLIM	Recycle Limit	45	35	50	DEGREE_F	RCYCLIM
SERVICE_RCYCDB	Recycle DB	5	0	10	DEGREE_F	RCYCDB
ANALOGIN_OA_ENTH	Outdoor Air Enthalpy	0	0	0	BTU_LB	OA_ENTH
ANALOGIN_RA_ENTH	Return Air Enthalpy	0	0	0	BTU_LB	RA_ENTH
CMPSTKTM	Compressor Stuck On Time	4	2	20	SECONDS	CMPSTKTM

APPENDIX B — BACNET, CCN NETWORK AND MODBUS POINTS FOR 48/50V (cont)

CCN — 48/50V Units — PIC 6.0, Version 2.X (cont)

POINT NAME	DESCRIPTION	DEFAULT VALUE	LOW LIMIT	HIGH LIMIT	UNITS	CCN NAME
CMPFLRTM	Compressor Failure Timer	5	2	20	SECONDS	CMPFLRTM
OUTLKEN	Outdoor Leak Detector	0	0	1	NO_UNIT	OUTLKEN
HEATSINK_HSCTRLOF	Heat Sink Ctrl Offset	10	0	20	DEGREE_F	HSCTRLOF
HEATSINK_HSHTMPDB	High Heat Sink Temp DB	8	0	20	DEGREE_F	HSHTMPDB
HEATSINK_HSHTEMP	High Heat Sink Temp	200	100	250	DEGREE_F	HSHTEMP
FWSIOB1	siob1 firmware version	0	0	0	NO_UNIT	FWSIOB1
FWSIOB2	siob2 firmware version	0	0	0	NO_UNIT	FWSIOB2
FWSIOB3	siob3 firmware version	0	0	0	NO_UNIT	FWSIOB3
FWNGC1	NGC1 firmware version	0	0	0	NO_UNIT	FWNGC1
LPRTIME	Low Pressure Ratio Time	30	5	120	SECONDS	LPRTIME
EXVCOV	EXV Change of Cmd Value	0.16	0	1	PERCENT	EXVCOV
LPALMHYS	Low Power Hysteresis(mS)	500	0	2000	NO_UNIT	LPALMHYS
LPALMEN	Low Power Alarm Enable	0	0	1	NO_UNIT	LPALMEN

APPENDIX B — BACNET, CCN NETWORK AND MODBUS POINTS FOR 48/50V (cont)

ModBus — 48/50V Units — PIC 6.0, Version 2.X

ADDRESS		REG			DISPLAY			VALUE		
HEXADECIMAL	DECIMAL	NO.	PARAMETER	DESCRIPTION	MODE	TYPE	UNIT	MIN	MAX	DEFAULT
0x0001	1	2	AIRPRESS_RAP	Return Air Pressure	16bits FLOAT	IR	in. wg	–1	1	0
							mm wg	–25.4	25.4	0
0x0002	2	2	AIRPRESS_SDP	Supply Pressure (SP)	16bits FLOAT	IR	in. wg	—	—	0
							mm wg	—	—	0
0x0003	3	2	AIRPRESS_BP	Building Pressure (BP)	16bits FLOAT	IR	in. wg	—	—	0
							mm wg	—	—	0
0x0004	4	2	AIRTEMP_SAT	Supply Air Temp (SAT)	16bits FLOAT	IR	°F	—	—	0
							°C	—	—	–17.78
0x0005	5	2	AIRTEMP_SATO	Supply Air Temp Offset	16bits FLOAT	IR	°F	—	—	0
							°C	—	—	–17.78
0x0006	6	2	AIRTEMP_RAT	Return Air Temp (RAT)	16bits FLOAT	IR	°F	—	—	0
							°C	—	—	–17.78
0x0007	7	2	AIRTEMP_SPT	Space Temp (SPT)	16bits FLOAT	IR	°F	—	—	0
							°C	—	—	–17.78
0x0008	8	2	AIRTEMP_SPTO	Space Temp Offset	16bits FLOAT	IR	°F	—	—	0
							°C	—	—	–17.78
0x0009	9	2	AIRTEMP_OAT	Outside Air Temp (OAT)	16bits FLOAT	IR	°F	—	—	0
							°C	—	—	–17.78
0x000A	10	2	AIRTEMP_MAT	Mixed Air Temp (MAT)	16bits FLOAT	IR	°F	—	—	0
							°C	—	—	–17.78
0x000B	11	2	AIRTEMP_EAT	Exhaust Air Temp (EAT)	16bits FLOAT	IR	°F	—	—	0
							°C	—	—	–17.78
0x000C	12	2	AIRTEMP_LST	Staged Gas Limit Temp	16bits FLOAT	IR	°F	—	—	0
							°C	—	—	–17.78
0x000D	13	2	AIRTEMP_LAT	Staged Gas LAT	16bits FLOAT	IR	°F	—	—	0
							°C	—	—	–17.78
0x000E	14	2	AIRTEMP_EFF_CP	Effective Control Point	16bits FLOAT	IR	°F	—	—	0
							°C	—	—	–17.78
0x000F	15	2	AIRTEMP_DXLAT	Direct Expansion LAT	16bits FLOAT	IR	°F	—	—	0
							°C	—	—	–17.78
0x0010	16	1	ALARMRST_RST_ALM	Alarm Reset	16bits UINT	IR	—	0	1	0
0x0011	17	1	ALERTCFG_SPRHHL	SPRH High Limit	16bits INT	HR	PERCENT	0	100	80
0x0012	18	1	ALERTCFG_SPRHLL	SPRH Low Limit	16bits INT	HR	PERCENT	0	100	20
0x0013	19	2	ALERTCFG_SPTLLMTO	SPT Low Occu Limit	16bits FLOAT	HR	°F	–10	245	60
							°C	–23.33	118.33	15.56
0x0014	20	2	ALERTCFG_SPTHLMTO	SPT High Occu Limit	16bits FLOAT	HR	°F	–10	245	85
							°C	–23.33	118.33	29.44
0x0015	21	2	ALERTCFG_SPTLLMTU	SPT Low Unoc Limit	16bits FLOAT	HR	°F	–10	245	45
							°C	–23.33	118.33	7.22
0x0016	22	2	ALERTCFG_SPTHLMTU	SPT High Unoc Limit	16bits FLOAT	HR	°F	–10	245	100
							°C	–23.33	118.33	37.78
0x0017	23	2	ALERTCFG_SATLLMTO	SAT Low Occu Limit	16bits FLOAT	HR	°F	0	45	40
							°C	–17.78	7.22	4.44
0x0018	24	2	ALERTCFG_SATHLMTO	SAT High Occu Limit	16bits FLOAT	HR	°F	105	160	130
							°C	40.56	71.11	54.44
0x0019	25	2	ALERTCFG_SATLLMTU	SAT Low Unoc Limit	16bits FLOAT	HR	°F	0	45	40
							°C	–17.78	7.22	4.44

APPENDIX B — BACNET, CCN NETWORK AND MODBUS POINTS FOR 48/50V (cont)

ModBus — 48/50V Units — PIC 6.0, Version 2.X (cont)

ADDRESS		REG			DISPLAY			VALUE		
HEXADECIMAL	DECIMAL	NO.	PARAMETER	DESCRIPTION	MODE	TYPE	UNIT	MIN	MAX	DEFAULT
0x001A	26	2	ALERTCFG_SATHLMTU	SAT High Unoc Limit	16bits FLOAT	HR	°F	105	160	130
							°C	40.56	71.11	54.44
0x001B	27	2	ALERTCFG_RATLLMTO	RAT Low Occu Limit	16bits FLOAT	HR	°F	–40	245	60
							°C	–40.00	118.33	15.56
0x001C	28	2	ALERTCFG_RATHLMTO	RAT High Occu Limit	16bits FLOAT	HR	°F	–40	245	90
							°C	–40.00	118.33	32.22
0x001D	29	2	ALERTCFG_RATHLMTU	RAT High Unoc Limit	16bits FLOAT	HR	°F	–40	245	100
							°C	–40.00	118.33	37.78
0x001E	30	2	ALERTCFG_RATLLMTU	RAT Low Unoc Limit	16bits FLOAT	HR	°F	–40	245	40
							°C	–40.00	118.33	4.44
0x001F	31	2	ALERTCFG_RARH_LT	RARH Low Limit	16bits FLOAT	HR	PERCENT	0	100	0
0x0020	32	2	ALERTCFG_RARH_HT	RARH High Limit	16bits FLOAT	HR	PERCENT	0	100	100
0x0021	33	2	ALERTCFG_SP_LLMT	SP Low Limit	16bits FLOAT	HR	in. wg	0	0.5	0.1
							mm wg	0	12.7	2.54
0x0022	34	2	ALERTCFG_SP_HLMT	SP High Limit	16bits FLOAT	HR	in. wg	1.5	2.2	2
							mm wg	38.1	55.88	50.8
0x0023	35	2	ALERTCFG_BP_LLMT	BP Low Limit	16bits FLOAT	HR	in. wg	–0.15	0	–0.1
							mm wg	–3.81	0	–2.54
0x0024	36	2	ALERTCFG_BP_HLMT	BP High Limit	16bits FLOAT	HR	in. wg	0	0.15	0.1
							mm wg	0	3.81	2.54
0x0025	37	2	ALERTCFG_SAT_LTMP	SAT Low Limit	16bits FLOAT	HR	°F	0	50	45
							°C	–17.78	10.00	7.22
0x0026	38	2	ALERTCFG_SAT_HTMP	SAT High Limit	16bits FLOAT	HR	°F	105	160	130
							°C	40.56	71.11	54.44
0x0027	39	2	ALERTCFG_OAT_LLMT	OAT Low Limit	16bits FLOAT	HR	°F	—	—	–40
							°C	—	—	–40.00
0x0028	40	2	ALERTCFG_OAT_HLMT	OAT High Limit	16bits FLOAT	HR	°F	—	—	150
							°C	—	—	65.56
0x0029	41	2	ALERTCFG_IAQ_HLMT	IAQ High Limit	16bits FLOAT	HR	PPM	0	5000	1200
0x002A	42	2	ALERTCFG_MAINFLT	Pre-Filter Change Time	16bits FLOAT	HR	HOURS	168	8760	2000
0x002B	43	1	GENUNIT_PREFLTR_SRC	Pre-Filter Source	16bits UINT	HR	—	0	3	0
0x002C	44	2	GENUNIT_PREFLTR_LIM	Pre-Filter Press Limit	16bits FLOAT	HR	in. wg	0.5	5	1.5
							mm wg	12.7	127	38.1
0x002D	45	2	LPALMHYS	Low Power Hysteresis(mS)	16bits FLOAT	HR	—	0	2000	500
0x002E	46	1	ALERTCFG2_ERV_ALRT	ERV Frost Alert Limit	16bits INT	HR	°F	25	40	35
							°C	–3.89	4.44	1.67
0x002F	47	1	UNITCFG_PG_SP_EN	Prognostics SP Enable	16bits UINT	HR	—	0	1	0
0x0030	48	2	UNITCFG_PG_SP_DB	Prognostics SP Deadband	16bits FLOAT	HR	in. wg	0	5	0.25
							mm wg	0	127	6.35
0x0031	49	1	UNITCFG_PG_BP_EN	Prognostics BP Enable	16bits UINT	HR	—	0	1	0
0x0032	50	2	UNITCFG_PG_BP_DB	Prognostics BP Deadband	16bits FLOAT	HR	in. wg	0	1	0.05
							mm wg	0	25.4	1.27
0x0033	51	2	ALERTCFG_HIGH_SST	High SST Time	16bits FLOAT	HR	MINUTES	—	—	10
0x0034	52	2	ALERTCFG_MINSUCA	Min Suc Chg Cir A	16bits FLOAT	HR	PSIG	0	99	20
							kPa	0	682.61	137.90
0x0035	53	2	ALERTCFG_MINDISA	Min Disc Chg Cir A	16bits FLOAT	HR	PSIG	0	99	11
							kPa	0	682.61	75.85

APPENDIX B — BACNET, CCN NETWORK AND MODBUS POINTS FOR 48/50V (cont)

ModBus — 48/50V Units — PIC 6.0, Version 2.X (cont)

ADDRESS		REG			DISPLAY			VALUE		
HEXADECIMAL	DECIMAL	NO.	PARAMETER	DESCRIPTION	MODE	TYPE	UNIT	MIN	MAX	DEFAULT
0x0036	54	2	ALERTCFG_MINSUCB	Min Suc Chg Cir B	16bits FLOAT	HR	PSIG	0	99	20
							kPa	0	682.61	137.90
0x0037	55	2	ALERTCFG_MINDISB	Min Disc Chg Cir B	16bits FLOAT	HR	PSIG	0	99	11
							kPa	0	682.61	75.85
0x0038	56	2	ALERTCFG_OFF_PRES	Off Press Ratio	16bits FLOAT	HR	PSIG	–1	1	–0.2
							kPa	–6.90	6.90	–1.38
0x0039	57	2	ALERTCFG_CMPCMD_T	Compressor Cmd Time	16bits FLOAT	HR	SECONDS	1	30	15
0x003A	58	1	ALERTCFG_OCFMSENS	Outdoor Air CFM	16bits UINT	HR	CFM	0	1	0
							m^3/min	0	0.03	0
0x003B	59	2	ALERTCFG_ECMINCFM	OAD Min CFM	16bits FLOAT	HR	CFM	—	—	0
							m^3/min	—	—	0
0x003C	60	2	OADCFG_FLTGAP	OAD Fault Detect Gap	16bits FLOAT	HR	PERCENT	2	100	5
0x003D	61	2	OADCFG_FLTTIME	OAD Fault Detect Time	16bits FLOAT	HR	SECONDS	10	240	20
0x003E	62	1	ALERTCFG_POSTFL	Final Filter Reminder	16bits UINT	HR	—	0	43200	2880
0x003F	63	1	ALERTCFG_CP_C_TH	Comp Cycling Threshold	16bits INT	HR	MINUTES	—	—	200
0x0040	64	1	ALERTCFG_LOCK_OUT	Lockout Notification	16bits UINT	HR	—	—	—	0
0x0041	65	2	ALERTCFG_LSST4T	Low SST 4Min Threshold	16bits FLOAT	HR	°F	–30	40	20
							°C	–34.44	4.44	–6.67
0x0042	66	2	ALERTCFG_LSST2T	Low SST 2Min Threshold	16bits FLOAT	HR	°F	–30	40	10
							°C	–34.44	4.44	–12.22
0x0043	67	2	ALERTCFG_LSST1T	Low SST 1Min Threshold	16bits FLOAT	HR	°F	–30	40	0
							°C	–34.44	4.44	–17.78
0x0044	68	2	ALERTCFG_LSST20sT	Low SST 20Sec Threshold	16bits FLOAT	HR	°F	–30	40	–20
							°C	–34.44	4.44	–28.89
0x0045	69	2	ALERTCFG_SSHALOW	Low SSH A Alert	16bits FLOAT	HR	°F	2	10	4
							°C	–16.67	–12.22	–15.56
0x0046	70	2	ALERTCFG_SSHAPLLO	Low SSH A Part Load Alrt	16bits FLOAT	HR	°F	7	15	9
							°C	–13.89	–9.44	–12.78
0x0047	71	2	ALERTCFG_SSHAFLLO	Low SSH A Full Load Alrt	16bits FLOAT	HR	°F	2	10	4
							°C	–16.67	–12.22	–15.56
0x0048	72	2	ALERTCFG_SSHBLOW	Low SSH B Alert	16bits FLOAT	HR	°F	2	10	4
							°C	–16.67	–12.22	–15.56
0x0049	73	2	ALERTCFG_SSHBPLLO	Low SSH B Part Load Alrt	16bits FLOAT	HR	°F	7	15	9
							°C	–13.89	–9.44	–12.78
0x004A	74	2	ALERTCFG_SSHBFLLO	Low SSH B Full Load Alrt	16bits FLOAT	HR	°F	2	10	4
							°C	–16.67	–12.22	–15.56
0x004B	75	2	ALERTCFG_LSSHTIME	Low SSH Alert Time	16bits FLOAT	HR	SECONDS	5	120	30
0x004C	76	2	ALERTCFG_LPRL	Low Press Ratio Limit	16bits FLOAT	HR	PSIG	1	2	1.3
							kPa	6.90	13.79	8.96
0x004D	77	2	LPRTIME	Low Pressure Ratio Time	16bits FLOAT	HR	SECONDS	5	120	30
0x004E	78	1	ALERTCFG_COFS_ACT	COFS Action	16bits INT	HR	—	—	—	0
0x004F	79	1	ALERTCFG_COFS_TRP	COFS Trips	16bits INT	HR	—	1	20	5
0x0050	80	1	ALERTCFG_COFS_TME	COFS Time	16bits INT	HR	HOURS	1	20	5
0x0051	81	1	ALERTCFG_T24ENAB	T24 Diagnostic	16bits UINT	HR	—	0	1	1
0x0052	82	2	ALERTCFG_OARADIFF	T24 OA RA diff	16bits FLOAT	HR	°F	5	20	15
							°C	–15	–6.67	–9.44
0x0053	83	2	ALERTCFG_SATMOVE	T24 SAT Move Chk	16bits FLOAT	HR	PERCENT	10	20	10

APPENDIX B — BACNET, CCN NETWORK AND MODBUS POINTS FOR 48/50V (cont)

ModBus — 48/50V Units — PIC 6.0, Version 2.X (cont)

ADDRESS		REG			DISPLAY			VALUE		
HEXADECIMAL	DECIMAL	NO.	PARAMETER	DESCRIPTION	MODE	TYPE	UNIT	MIN	MAX	DEFAULT
0x0054	84	2	ALERTCFG_SATCHNGE	T24 Sat Change	16bits FLOAT	HR	°F	0	5	0.2
							°C	–17.78	–15	–17.67
0x0055	85	2	ALERTCFG_MOVEDTEC	T24 Move Detect	16bits FLOAT	HR	PERCENT	1	10	1
0x0056	86	2	ALERTCFG_SASETTLE	T24 SAT Settle	16bits FLOAT	HR	SECONDS	5	450	120
0x0057	87	2	ALERTCFG_T24ECMIN	T24 Econ Min Pos	16bits FLOAT	HR	PERCENT	0	50	15
0x0058	88	2	ALERTCFG_T24ECMAX	T24 Econ Max Pos	16bits FLOAT	HR	PERCENT	50	100	85
0x0059	89	2	ALERTCFG_HCDELAY	T24 Heat-Cool Delay	16bits FLOAT	HR	MINUTES	0	60	25
0x005A	90	2	EFCFG_RAP_TH	Ret Air Press Threshold	16bits FLOAT	HR	in. wg	–1	1	–0.4
							mm wg	–25.4	25.4	–10.16
0x005B	91	2	ALERTCFG_MSDPT	Static Duct Press Limit	16bits FLOAT	HR	in. wg	0	5	3
							mm wg	0	127	76.2
0x005C	92	2	CMPSTKTM	Compressor Stuck On Time	16bits FLOAT	HR	SECONDS	2	20	4
0x005D	93	2	CMPFLRTM	Compressor Failure Timer	16bits FLOAT	HR	SECONDS	2	20	5
0x005E	94	2	HEATSINK_HSCTRLOF	Heat Sink Ctrl Offset	16bits FLOAT	HR	°F	0	20	10
							°C	–17.77	–6.67	–12.22
0x005F	95	2	HEATSINK_HSHTMPDB	High Heat Sink Temp DB	16bits FLOAT	HR	°F	0	20	8
							°C	–17.78	–6.67	–13.33
0x0060	96	2	HEATSINK_HSHTEMP	High Heat Sink Temp	16bits FLOAT	HR	°F	100	250	200
							°C	37.77	121.11	93.33
0x0061	97	2	ANALGOUT_DAMPCMD	OAD Command	16bits FLOAT	IR	PERCENT	—	—	0
0x0062	98	2	ANALGOUT_DAMPCMD2	RAD Cmd	16bits FLOAT	IR	PERCENT	—	—	0
0x0063	99	2	ANALGOUT_HEATCMD	Actual heat command	16bits FLOAT	IR	PERCENT	—	—	0
0x0064	100	2	ANALGOUT_HMV	HGRH Command	16bits FLOAT	IR	PERCENT	0	100	0
0x0065	101	2	ANALGOUT_HMV2	HGRH 2 Command	16bits FLOAT	IR	PERCENT	0	100	0
0x0066	102	2	ANALGOUT_EFCMD	Exhaust Fan Cmd	16bits FLOAT	IR	PERCENT	—	—	0
0x0067	103	2	ANALGOUT_ERV_OAF	ERV Outdoor Air Fan	16bits FLOAT	IR	PERCENT	—	—	0
0x0068	104	2	ANALGOUT_CMPA1CMD	Comp A1 Command	16bits FLOAT	IR	PERCENT	—	—	0
0x0069	105	2	ANALGOUT_CMPA2CMD	Comp A2 Command	16bits FLOAT	IR	PERCENT	—	—	0
0x006A	106	2	ANALGOUT_CMPB1CMD	Comp B1 Command	16bits FLOAT	IR	PERCENT	—	—	0
0x006B	107	2	ANALGOUT_CMPB2CMD	Comp B2 Command	16bits FLOAT	IR	PERCENT	—	—	0
0x006C	108	2	ANALGOUT_IDFCMD	IDF1 Control Command	16bits FLOAT	IR	PERCENT	—	—	0
0x006D	109	2	ANALGOUT_ODF1CMD	CF 1 Command	16bits FLOAT	IR	PERCENT	—	—	0
0x006E	110	2	ANALGOUT_ODF2CMD	CF 2 Command	16bits FLOAT	IR	PERCENT	—	—	0
0x006F	111	2	ANALGOUT_ODF3CMD	CF 3 Command	16bits FLOAT	IR	PERCENT	—	—	0
0x0070	112	2	ANALGOUT_EXVA1CMD	EXV A1 Cmd	16bits FLOAT	IR	PERCENT	—	—	0
0x0071	113	2	ANALGOUT_EXVA2CMD	EXV A2 Cmd	16bits FLOAT	IR	PERCENT	—	—	0
0x0072	114	2	ANALGOUT_EXVB1CMD	EXV B1 Cmd	16bits FLOAT	IR	PERCENT	—	—	0
0x0073	115	2	ANALGOUT_EXVB2CMD	EXV B2 Cmd	16bits FLOAT	IR	PERCENT	—	—	0
0x0074	116	2	ANALOGIN_OACFM	Outdoor Air CFM	16bits FLOAT	IR	CFM	—	—	0
							m^3/min	—	—	0
0x0075	117	2	ANALOGIN_OACFMRST	Outdoor Air CFM Reset	16bits FLOAT	IR	CFM	—	—	0
							m^3/min	—	—	0
0x0076	118	2	ANALOGIN_OD3P_CMD	OAD 3rd Party Modulation	16bits FLOAT	IR	PERCENT	—	—	0
0x0077	119	2	ANALOGIN_EF3P_CMD	EXF 3rd Party Modulation	16bits FLOAT	IR	PERCENT	—	—	0
0x0078	120	2	ANALOGIN_SF3P_CMD	IDF 3rd Party Modulation	16bits FLOAT	IR	PERCENT	—	—	0
0x0079	121	2	ANALOGIN_IAQOPRST	IAQ OAD Pos Reset	16bits FLOAT	IR	PERCENT	—	—	0
0x007A	122	2	ANALOGIN_IAQ	Indoor Air Quality	16bits FLOAT	IR	PPM	—	—	0

APPENDIX B — BACNET, CCN NETWORK AND MODBUS POINTS FOR 48/50V (cont)

ModBus — 48/50V Units — PIC 6.0, Version 2.X (cont)

ADDRESS		REG			DISPLAY			VALUE		
HEXADECIMAL	DECIMAL	NO.	PARAMETER	DESCRIPTION	MODE	TYPE	UNIT	MIN	MAX	DEFAULT
0x007B	123	2	ANALOGIN_OAQ	Outdoor Air Quality	16bits FLOAT	IR	PPM	—	—	2000
0x007C	124	2	ANALOGIN_OARH	Outdoor Air RH (OARH)	16bits FLOAT	IR	PERCENT	—	—	0
0x007D	125	2	AIRTEMP_OADP	Outside Air Dew Point	16bits FLOAT	IR	°F	—	—	0
							°C	—	—	–17.78
0x007E	126	2	ANALOGIN_RARH	Return Air RH (RARH)	16bits FLOAT	IR	PERCENT	—	—	0
0x007F	127	2	ANALOGIN_SARH	Supply Air RH (SARH)	16bits FLOAT	IR	PERCENT	—	—	0
0x0080	128	2	AIRTEMP_SADP	Supply Air Dew Point	16bits FLOAT	IR	°F	—	—	0
							°C	—	—	–17.78
0x0081	129	2	ANALOGIN_SPRH	Space RH (SPRH)	16bits FLOAT	IR	PERCENT	—	—	0
0x0082	130	2	ANALOGIN_MARH	Mixed Air RH (MARH)	16bits FLOAT	IR	PERCENT	—	—	0
0x0083	131	2	ANALOGIN_ZDP	Zone Damper Position	16bits FLOAT	IR	PERCENT	—	—	0
0x0084	132	2	ANALOGIN_DAMPPOS	OAD Feedback	16bits FLOAT	IR	PERCENT	—	—	0
0x0085	133	2	ANALOGIN_DAMPPOS2	RAD Feedback	16bits FLOAT	IR	PERCENT	—	—	0
0x0086	134	2	ANALOGIN_HMD	HGRH Valve Feedback	16bits FLOAT	IR	PERCENT	—	—	0
0x0087	135	2	ANALOGIN_HMD2	HGRH Valve 2 Feedback	16bits FLOAT	IR	PERCENT	—	—	0
0x0088	136	2	ANALOGIN_CMPA1SPD	Comp A1 Speed	16bits FLOAT	IR	HZ	—	—	0
0x0089	137	2	ANALOGIN_CMPA2SPD	Comp A2 Speed	16bits FLOAT	IR	HZ	—	—	0
0x008A	138	2	ANALOGIN_CMPB1SPD	Comp B1 Speed	16bits FLOAT	IR	HZ	—	—	0
0x008B	139	2	ANALOGIN_CMPB2SPD	Comp B2 Speed	16bits FLOAT	IR	HZ	—	—	0
0x008C	140	2	ANALOGIN_ODF1SPD	CF 1 Speed	16bits FLOAT	IR	HZ	—	—	0
0x008D	141	2	ANALOGIN_ODF2SPD	CF 2 Speed	16bits FLOAT	IR	HZ	—	—	0
0x008E	142	2	ANALOGIN_ODF3SPD	CF 3 Speed	16bits FLOAT	IR	HZ	—	—	0
0x008F	143	1	IDFFDBK_STATUS	IDF Feedback Status	16bits UINT	IR	—	0	1	1
0x0090	144	2	ANALOGIN_IDFSPD	IDF Speed	16bits FLOAT	IR	PERCENT	—	—	0
0x0091	145	2	ANALOGIN_IDFRPM	IDF Speed RPM	16bits FLOAT	IR	RPM	—	—	0
0x0092	146	2	ANALOGIN_EFSPD	Exhaust Fan Speed	16bits FLOAT	IR	PERCENT	—	—	0
0x0093	147	2	ANALOGIN_EXV_A1	EXV A1	16bits FLOAT	IR	PERCENT	0	100	0
0x0094	148	2	ANALOGIN_EXV_A2	EXV A2	16bits FLOAT	IR	PERCENT	0	100	0
0x0095	149	2	ANALOGIN_EXV_B1	EXV B1	16bits FLOAT	IR	PERCENT	0	100	0
0x0096	150	2	ANALOGIN_EXV_B2	EXV B2	16bits FLOAT	IR	PERCENT	0	100	0
0x0097	151	2	ANALOGIN_SPSR	Static Pressure Stpt Rst	16bits FLOAT	IR	in. wg	0	5	0
							mm wg	0	127	0
0x0098	152	2	ANALOGIN_DLC	Demand Limit Control	16bits FLOAT	IR	—	—	—	0
0x0099	153	2	ANALOGIN_PFPD	Pre Filt Press Drop	16bits FLOAT	IR	—	—	—	0
0x009A	154	2	ANALOGIN_FFPD	Final Filt Press Drop	16bits FLOAT	IR	in. wg	—	—	0
							mm wg	—	—	0
0x009B	155	2	ANALOGIN_OA_ENTH	Outdoor Air Enthalpy	16bits FLOAT	IR	BTU/lb	—	—	0
							kJ/kg	—	—	–17.80
0x009C	156	2	ANALOGIN_RA_ENTH	Return Air Enthalpy	16bits FLOAT	IR	BTU/lb	—	—	0
							kJ/kg	—	—	–17.80
0x009D	157	1	EMPTY_NOPOINT	Menu is empty	16bits UINT	IR	—	—	—	0
0x009E	158	1	COMMADDR_AUX1	AUX	16bits INT	IR	—	—	—	0
0x009F	159	1	COMMADDR_NGC1	NGC IOB 1	16bits INT	IR	—	—	—	0
0x00A0	160	1	COMMADDR_PD4_EXV1	PD4 EXV	16bits INT	IR	—	—	—	0
0x00A1	161	1	COMMADDR_SIOB1	SIOB 1	16bits INT	IR	—	—	—	0
0x00A2	162	1	COMMADDR_SIOB2	SIOB 2	16bits INT	IR	—	—	—	0
0x00A3	163	1	COMMADDR_SIOB3	SIOB 3	16bits INT	IR	—	—	—	0

APPENDIX B — BACNET, CCN NETWORK AND MODBUS POINTS FOR 48/50V (cont)

ModBus — 48/50V Units — PIC 6.0, Version 2.X (cont)

ADDRESS		REG			DISPLAY			VALUE		
HEXADECIMAL	DECIMAL	NO.	PARAMETER	DESCRIPTION	MODE	TYPE	UNIT	MIN	MAX	DEFAULT
0x00A4	164	1	COMMADDR_SYSTEMVU	ZIOB	16bits INT	IR	—	—	—	0
0x00A5	165	1	COMMADDR_COMP_A1	Compressor A1	16bits INT	IR	—	—	—	0
0x00A6	166	1	COMMADDR_IDF_1	Supply Fan 1	16bits INT	IR	—	—	—	0
0x00A7	167	1	COMMADDR_IDF_2	Supply Fan 2	16bits INT	IR	—	—	—	0
0x00A8	168	1	COMMADDR_IDF_3	Supply Fan 3	16bits INT	IR	—	—	—	0
0x00A9	169	1	COMMADDR_IDF_4	Supply Fan 4	16bits INT	IR	—	—	—	0
0x00AA	170	1	COMMADDR_IDF_5	Supply Fan 5	16bits INT	IR	—	—	—	0
0x00AB	171	1	COMMADDR_IDF_6	Supply Fan 6	16bits INT	IR	—	—	—	0
0x00AC	172	1	COMMADDR_ODF_1	ODF 1	16bits INT	IR	—	—	—	0
0x00AD	173	1	COMMADDR_ODF_2	ODF 2	16bits INT	IR	—	—	—	0
0x00AE	174	1	COMMADDR_ODF_3	ODF 3	16bits INT	IR	—	—	—	0
0x00AF	175	1	COMMADDR_RF_1	Return Fan 1	16bits INT	IR	—	—	—	0
0x00B0	176	1	COMMADDR_RF_2	Return Fan 2	16bits INT	IR	—	—	—	0
0x00B1	177	1	COMMADDR_PWREXH_1	Power Exhaust 1	16bits INT	IR	—	—	—	0
0x00B2	178	1	COMMADDR_PWREXH_2	Power Exhaust 2	16bits INT	IR	—	—	—	0
0x00B3	179	2	LEN_status	LEN SCAN Status	16bits FLOAT	IR	—	—	—	0
0x00B4	180	1	LEN_nb_message_10s	Nbr of messges in 10 s	16bits UINT	IR	—	—	—	0
0x00B5	181	1	LEN_nb_nb_arh_busy_10s	Nbr of ARH busy in 10 s	16bits UINT	IR	—	—	—	0
0x00B6	182	2	LEN_total_nb_arh_busy	Number of ARH busy	16bits FLOAT	IR	—	—	—	0
0x00B7	183	2	LEN_total_nb_message	Number of Message	16bits FLOAT	IR	—	—	—	0
0x00B8	184	2	LEN_total_nb_nack	Number of NACK	16bits FLOAT	IR	—	—	—	0
0x00B9	185	2	LEN_total_nb_no_resp	Number of no response	16bits FLOAT	IR	—	—	—	0
0x00BA	186	2	MODSCAN_status	Modbus SCAN Status	16bits FLOAT	IR	—	—	—	0
0x00BB	187	1	MODSCAN_nb_message_10s	Nbr of messges in 10 s	16bits UINT	IR	—	—	—	0
0x00BC	188	2	MODSCAN_total_nb_message	Nbr of Messages	16bits FLOAT	IR	—	—	—	0
0x00BD	189	2	MODSCAN_total_nb_nack	Number of NACK	16bits FLOAT	IR	—	—	—	0
0x00BE	190	2	MODSCAN_total_nb_no_resp	Number of no response	16bits FLOAT	IR	—	—	—	0
0x00BF	191	2	MODSCAN_total_nb_rtry_fl	Number of retry fails	16bits FLOAT	IR	—	—	—	0
0x00C0	192	1	COOLCFG_DEMAND	Cool/Heat Demand Source	16bits UINT	HR	—	0	5	3
0x00C1	193	1	COOLCFG_TMPDVNT	Cool Tempered Venting	16bits UINT	HR	—	0	1	0
0x00C2	194	2	COOLCFG_SPLYDB	Vent Deadband	16bits FLOAT	HR	°F	10	30	15
							°C	–12.22	–1.11	–9.44
0x00C3	195	1	COOLCFG_TPCTLRST	SAT Reset Source	16bits UINT	HR	—	0	5	0
0x00C4	196	2	COOLCFG_RSTRTIO	SAT Reset Ratio	16bits FLOAT	HR	—	0	10	3
0x00C5	197	2	COOLCFG_RSTLMIT	SAT Reset Limit	16bits FLOAT	HR	—	0	20	10
0x00C6	198	1	SVCOUT_CMTRNDAC	Cool Comfort Trending	16bits UINT	HR	—	—	—	0
0x00C7	199	2	COOLCFG_CLTREND	Cool Trend Level	16bits FLOAT	HR	°F	0.1	5	0.2
							°C	–17.72	–15.00	–17.67
0x00C8	200	2	COOLCFG_CLTNDTM	Cool Trend Time	16bits FLOAT	HR	MINUTES	1	5	2
0x00C9	201	2	COOLCFG_GAP_CLHT	Cool Heat Gap Config	16bits FLOAT	HR	°F	2	10	5
							°C	–16.67	–12.22	–15
0x00CA	202	2	SERVICE_TCSTCOOL	TC Start Cool Factor	16bits FLOAT	HR	—	0	60	0
0x00CB	203	2	COOLSTP_CLSP_OCC	Occupied Cooling	16bits FLOAT	HR	°F	55	80	73
							°C	12.78	26.67	22.78
0x00CC	204	2	COOLSTP_CLSP_UNO	Unoccupied Cooling	16bits FLOAT	HR	°F	55	110	83
							°C	12.78	43.33	28.33

APPENDIX B — BACNET, CCN NETWORK AND MODBUS POINTS FOR 48/50V (cont)

ModBus — 48/50V Units — PIC 6.0, Version 2.X (cont)

ADDRESS		REG			DISPLAY			VALUE		
HEXADECIMAL	DECIMAL	NO.	PARAMETER	DESCRIPTION	MODE	TYPE	UNIT	MIN	MAX	DEFAULT
0x00CD	205	2	COOLSTP_SALOCLSP	Lo Cool SAT	16bits FLOAT	HR	°F	55	75	65
							°C	12.78	23.89	18.33
0x00CE	206	2	COOLSTP_SAHICLSP	Hi Cool SAT	16bits FLOAT	HR	°F	55	75	55
							°C	12.78	23.89	12.78
0x00CF	207	2	COOLSTP_HODALCL	100% OA Low Cool SAT	16bits FLOAT	HR	°F	55	75	75
							°C	12.78	23.89	23.89
0x00D0	208	2	COOLSTP_HODAHCL	100% OA High Cool SAT	16bits FLOAT	HR	°F	55	75	70
							°C	12.78	23.89	21.11
0x00D1	209	2	COOLCFG_DOLOCLON	Lo Cool On DB	16bits FLOAT	HR	°F	0	2	1
							°C	–17.78	–16.67	–17.22
0x00D2	210	2	COOLCFG_DOLOCLOF	Lo Cool Off DB	16bits FLOAT	HR	°F	0.5	2	1
							°C	–17.50	–16.67	–17.22
0x00D3	211	2	COOLCFG_DOHICLON	Hi Cool On DB	16bits FLOAT	HR	°F	0.5	20	1
							°C	–17.50	–6.67	–17.22
0x00D4	212	2	COOLSTP_VAVCLSP	VAV Cooling SAT	16bits FLOAT	HR	°F	45	75	55
							°C	7.22	23.89	12.78
0x00D5	213	2	COOLCFG_DOVAVCON	VAV Cool On DB	16bits FLOAT	HR	°F	0	25	3.5
							°C	–17.78	–3.89	–15.83
0x00D6	214	2	COOLCFG_DOVAVCOF	VAV Cool Off DB	16bits FLOAT	HR	°F	1	25	2
							°C	–17.22	–3.89	–16.67
0x00D7	215	2	COOLSTP_SPLYAVSP	Vent SAT	16bits FLOAT	HR	°F	55	85	70
							°C	12.78	29.44	21.11
0x00D8	216	1	DHUMCFG_DMD_SRC	Dehum Demand Source	16bits UINT	HR	—	0	8	3
0x00D9	217	1	DHUMCFG_UNOCENAB	Unoccupied Dehum	16bits UINT	HR	—	0	1	0
0x00DA	218	1	DHUMCFG_SUPPHEAT	Supplemental Heat	16bits UINT	HR	—	—	—	0
0x00DB	219	2	DHUMCFG_DHMATLCK	High MT Dehum Lockout	16bits FLOAT	HR	°F	90	115	105
							°C	32.22	46.11	40.56
0x00DC	220	1	DHUMCFG_DHUMVENT	Vent/None Dehum	16bits UINT	HR	—	—	—	0
0x00DD	221	1	DHUMCFG_DHUMVAV	VAV Cool Dehum	16bits UINT	HR	—	—	—	0
0x00DE	222	1	DHUMCFG_DHUMHICL	High Cool Dehum	16bits UINT	HR	—	—	—	0
0x00DF	223	1	DHUMCFG_DHUMLOCL	Low Cool Dehum	16bits UINT	HR	—	—	—	0
0x00E0	224	1	DHUMCFG_DHUMHIHT	High Heat Dehum	16bits UINT	HR	—	—	—	0
0x00E1	225	1	DHUMCFG_DHUMLOHT	Low Heat Dehum	16bits UINT	HR	—	—	—	0
0x00E2	226	2	DHUMCFG_RHTOPTME	HGRH Coil Open Time	16bits FLOAT	HR	MINUTES	1	5	2
0x00E3	227	2	DHUMCFG_RHTCLTME	HGRH Coil Closed Time	16bits FLOAT	HR	MINUTES	5	120	45
0x00E4	228	2	DHUMCFG_CCBYPTME	Con Coil Bypass Time	16bits FLOAT	HR	MINUTES	—	—	0
0x00E5	229	2	DHUMCFG_CCPRGPOS	Cond Coil Purge Pos	16bits FLOAT	HR	PERCENT	—	—	50
0x00E6	230	2	DHUMCFG_CCPRGTME	Cond Coil Purge Time	16bits FLOAT	HR	MINUTES	—	—	10
0x00E7	231	1	OADCFG_OADHUMEN	OA Dehum Enable	16bits UINT	HR	—	0	1	0
0x00E8	232	1	DHUMCFG_OFDHUMEN	Occupied Free Dehum	16bits UINT	HR	—	0	1	0
0x00E9	233	1	DHUMCFG_UFDHUMEN	Unoccupied Free Dehum	16bits UINT	HR	—	0	1	0
0x00EA	234	2	DHUMSTP_DHUMRHSP	Dehum RH	16bits FLOAT	HR	PERCENT	40	100	55
0x00EB	235	2	DHUMCFG_RLOS_ON	Dehum RH On DB	16bits FLOAT	HR	PERCENT	0	20	5
0x00EC	236	2	DHUMCFG_RLOS_OFF	Dehum RH Off DB	16bits FLOAT	HR	PERCENT	1	20	5
0x00ED	237	2	DHUMSTP_CCTSTP	Dehum CCT	16bits FLOAT	HR	°F	—	—	55
							°C	—	—	12.78
0x00EE	238	1	DISCIN_TSTAT_G	Indoor Fan Input (G)	16bits UINT	IR	—	0	1	0

APPENDIX B — BACNET, CCN NETWORK AND MODBUS POINTS FOR 48/50V (cont)

ModBus — 48/50V Units — PIC 6.0, Version 2.X (cont)

ADDRESS		REG			DISPLAY			VALUE		
HEXADECIMAL	DECIMAL	NO.	PARAMETER	DESCRIPTION	MODE	TYPE	UNIT	MIN	MAX	DEFAULT
0x00EF	239	1	DISCIN_TSTAT_Y1	Lo Cool Input (Y1)	16bits UINT	IR	—	0	1	0
0x00F0	240	1	DISCIN_TSTAT_Y2	Hi Cool Input (Y2)	16bits UINT	IR	—	0	1	0
0x00F1	241	1	DISCIN_TSTAT_W1	Lo Heat Input (W1)	16bits UINT	IR	—	0	1	0
0x00F2	242	1	DISCIN_TSTAT_W2	Hi Heat Input (W2)	16bits UINT	IR	—	0	1	0
0x00F3	243	1	DISCIN_FIRESW	Fire Shutdown Switch	16bits UINT	IR	—	0	1	0
0x00F4	244	1	DISCIN_SMOKESW	Smoke Detector	16bits UINT	IR	—	0	1	0
0x00F5	245	1	DISCIN_SMKPRGSW	Smoke Purge Switch	16bits UINT	IR	—	0	1	0
0x00F6	246	1	DISCIN_PMR_STAT	Phase Monitor	16bits UINT	IR	—	0	1	0
0x00F7	247	1	DISCIN_SHTDWNSW	Shutdown Switch	16bits UINT	IR	—	0	1	0
0x00F8	248	1	DISCIN_FILTSTAT	Filter Switch	16bits UINT	IR	—	0	1	0
0x00F9	249	1	DISCIN_IDF_LSM	Indoor Fan Limit Switch	16bits UINT	IR	—	0	1	0
0x00FA	250	1	DISCIN_HT_ALARM	Heat Alarm	16bits UINT	IR	—	0	1	0
0x00FB	251	1	DISCIN_CNDOSW	COFS	16bits UINT	IR	—	0	1	0
0x00FC	252	1	DISCIN_DEHUMSW	Dehumidify Switch	16bits UINT	IR	—	0	1	0
0x00FD	253	1	DISCIN_CMPFBKA1	Comp A1 Feedback	16bits UINT	IR	—	0	1	0
0x00FE	254	1	DISCIN_CMPFBKA2	Comp A2 Feedback	16bits UINT	IR	—	0	1	0
0x00FF	255	1	DISCIN_CMPFBKB1	Comp B1 Feedback	16bits UINT	IR	—	0	1	0
0x0100	256	1	DISCIN_CMPFBKB2	Comp B2 Feedback	16bits UINT	IR	—	0	1	0
0x0101	257	1	DISCIN_HPSA	Cir A HPS Switch	16bits UINT	IR	—	0	1	0
0x0102	258	1	DISCIN_HPSB	Cir B HPS Switch	16bits UINT	IR	—	0	1	0
0x0103	259	1	DISCIN_RESW	Remote Switch	16bits UINT	IR	—	0	1	0
0x0104	260	1	DISCIN_ERV_FRST	ERV Frost Indicator	16bits UINT	IR	—	0	1	0
0x0105	261	1	DISCIN_WHEEL_ST	ERV Motion Sensor	16bits UINT	IR	—	0	1	0
0x0106	262	1	DISCIN_ERVFSS	ERV OD Filt Stat Switch	16bits UINT	IR	—	0	1	0
0x0107	263	1	DISCIN_DLS1	DemandLimSwitch1	16bits UINT	IR	—	0	1	0
0x0108	264	1	DISCIN_DLS2	DemandLimSwitch2	16bits UINT	IR	—	0	1	0
0x0109	265	1	DISCIN_IGCFANSW	IGC IDF Switch	16bits UINT	IR	—	0	1	0
0x010A	266	1	DISCIN_PFPSS	Pre Filter Switch	16bits UINT	IR	—	0	1	0
0x010B	267	1	DISCIN_PRESSSW	Fire Press Switch	16bits UINT	IR	—	0	1	0
0x010C	268	1	DISCIN_EVACSW	Smoke Evac Switch	16bits UINT	IR	—	0	1	0
0x010D	269	1	DISCIN_FRZSW	Hydronic Freeze Switch	16bits UINT	IR	—	0	1	0
0x010E	270	1	DISCIN_PPSS	Pressure Safety	16bits UINT	IR	—	0	1	0
0x010F	271	1	DISCIN_IAQSW	IAQ Switch	16bits UINT	IR	—	0	1	0
0x0110	272	1	DISCIN_OAQSW	OAQ Switch	16bits UINT	IR	—	0	1	0
0x0111	273	1	DISCIN_ODENTHSW	Outdoor Enthalpy	16bits UINT	IR	—	0	1	0
0x0112	274	1	DISCIN_ENEGPRES	OAD Neg Pressure	16bits UINT	IR	—	0	1	0
0x0113	275	1	DISCIN_VSOLSWA	VS Oil Level Switch A	16bits UINT	IR	—	0	1	0
0x0114	276	1	DISCIN_INRFGLK	Indoor RFG Sensor ALM	16bits UINT	IR	—	0	1	0
0x0115	277	1	DISCIN_OUTRFGLK	Outdoor RFG Sensor ALM	16bits UINT	IR	—	0	1	0
0x0116	278	1	DISCOUT_VSCA1_SS	VSC A1 Safe Stop	16bits UINT	IR	—	0	1	1
0x0117	279	1	DISCOUT_CPA1	Compressor A1	16bits UINT	IR	—	0	1	0
0x0118	280	1	DISCOUT_CMPRELA1	Comp A1 Modulation RLY	16bits UINT	IR	—	0	1	0
0x0119	281	1	DISCOUT_CPA2	Compressor A2	16bits UINT	IR	—	0	1	0
0x011A	282	1	DISCOUT_CMPRELA2	Comp A2 Modulation RLY	16bits UINT	IR	—	0	1	0
0x011B	283	1	DISCOUT_CPB1	Compressor B1	16bits UINT	IR	—	0	1	0
0x011C	284	1	DISCOUT_CPB2	Compressor B2	16bits UINT	IR	—	0	1	0
0x011D	285	1	DISCOUT_IDFBYREL	IDF VFD Bypass Relay	16bits UINT	IR	—	0	1	0

APPENDIX B — BACNET, CCN NETWORK AND MODBUS POINTS FOR 48/50V (cont)

ModBus — 48/50V Units — PIC 6.0, Version 2.X (cont)

ADDRESS		REG			DISPLAY			VALUE		
HEXADECIMAL	DECIMAL	NO.	PARAMETER	DESCRIPTION	MODE	TYPE	UNIT	MIN	MAX	DEFAULT
0x011E	286	1	DISCOUT_ODF1	CF 1 Relay	16bits UINT	IR	—	0	1	0
0x011F	287	1	DISCOUT_ODF2	CF 2 Relay	16bits UINT	IR	—	0	1	0
0x0120	288	1	DISCOUT_ODF3	CF 3 Relay	16bits UINT	IR	—	0	1	0
0x0121	289	1	DISCOUT_CCHRA	CCH A	16bits UINT	IR	—	0	1	0
0x0122	290	1	DISCOUT_CCHRB	CCH B	16bits UINT	IR	—	0	1	0
0x0123	291	1	DISCOUT_HMS	Reheat 3-way valve	16bits UINT	IR	—	0	1	0
0x0124	292	1	DISCOUT_RH3PRLY	3rd Party Reheat Relay	16bits UINT	IR	—	0	1	0
0x0125	293	1	DISCOUT_ERVWHEEL	ERV Wheel	16bits UINT	IR	—	0	1	0
0x0126	294	1	DISCOUT_STGHEAT1	Heat Enable 1	16bits UINT	IR	—	0	1	0
0x0127	295	1	DISCOUT_STGHEAT2	Heat Enable 2	16bits UINT	IR	—	0	1	0
0x0128	296	1	DISCOUT_STGHEAT3	Heat Enable 3	16bits UINT	IR	—	0	1	0
0x0129	297	1	DISCOUT_STGHEAT4	Heat Enable 4	16bits UINT	IR	—	0	1	0
0x012A	298	1	DISCOUT_STGHEAT5	Heat Enable 5	16bits UINT	IR	—	0	1	0
0x012B	299	1	DISCOUT_STGHEAT6	Heat Enable 6	16bits UINT	IR	—	0	1	0
0x012C	300	1	DISCOUT_BYP_DAMP	ERV Bypass Damper	16bits UINT	IR	—	0	1	0
0x012D	301	1	DISCOUT_ZDOR	Zone Damper Override RLY	16bits UINT	IR	—	0	1	0
0x012E	302	1	DISCOUT_ALMOUT	Alarm	16bits UINT	IR	—	0	1	0
0x012F	303	1	DISCOUT_HIR	Heat Interlock Relay	16bits UINT	IR	—	—	—	0
0x0130	304	1	DISCOUT_HMFR	Humidifier	16bits UINT	IR	—	—	—	0
0x0131	305	1	DISCOUT_HRR	Heat Reclaim	16bits UINT	IR	—	—	—	0
0x0132	306	1	DISCOUT_POWEXH1	Power Exhaust Enable	16bits UINT	IR	—	0	1	0
0x0133	307	1	DISCOUT_PEA	Power Exh A	16bits UINT	IR	—	0	1	0
0x0134	308	1	DISCOUT_PEB	Power Exh B	16bits UINT	IR	—	0	1	0
0x0135	309	1	DISCOUT_PEC	Power Exh C	16bits UINT	IR	—	0	1	0
0x0136	310	1	DISCOUT_AUTOADDR	Fan Auto Address	16bits UINT	IR	—	0	1	0
0x0137	311	1	DMDLMCFG_DLSWSEN	Demand Switch Enable	16bits UINT	HR	—	0	1	0
0x0138	312	1	OCCSB_EN	Occupied Standby Enable	16bits UINT	HR	—	0	1	0
0x0139	313	1	DMDLMCFG_DMDLMSRC	Demand Limit Source	16bits UINT	HR	—	0	3	0
0x013A	314	1	EQUIPCFG_DMDLIM	Demand/Capacity Anlg In	16bits UINT	HR	—	0	1	0
0x013B	315	1	DMDLMCFG_AICLSEL	Analog Limit Mode	16bits UINT	HR	—	0	2	0
0x013C	316	1	DMDLMCFG_CAPLMSRC	Capacity Limit Source	16bits UINT	HR	—	0	3	0
0x013D	317	2	COOLSTP_CLCAPSTP	Max Cool Capacity	16bits FLOAT	HR	PERCENT	50	100	100
0x013E	318	2	COOLSTP_CAPLIMS1	Cool Capacity Limit S1	16bits FLOAT	HR	PERCENT	0	100	50
0x013F	319	2	COOLSTP_CAPLIMS2	Cool Capacity Limit S2	16bits FLOAT	HR	PERCENT	0	100	0
0x0140	320	2	COOLSTP_DMDLIMS1	Cool Demand Limit S1	16bits FLOAT	HR	ΔF	0	10	4
							ΔC	0	5.56	2.22
0x0141	321	2	COOLSTP_DMDLIMS2	Cool Demand Limit S2	16bits FLOAT	HR	ΔF	0	10	6
							ΔC	0	5.56	3.33
0x0142	322	2	HEATSTP_HTCAPSTP	Max Heat Capacity	16bits FLOAT	HR	PERCENT	50	100	100
0x0143	323	2	HEATSTP_CAPLIMS1	Heat Capacity Limit S1	16bits FLOAT	HR	PERCENT	0	100	50
0x0144	324	2	HEATSTP_CAPLIMS2	Heat Capacity Limit S2	16bits FLOAT	HR	PERCENT	0	100	0
0x0145	325	2	HEATSTP_DMDLIMS1	Heat Demand Limit S1	16bits FLOAT	HR	ΔF	0	10	4
							ΔC	0	5.56	2.22
0x0146	326	2	HEATSTP_DMDLIMS2	Heat Demand Limit S2	16bits FLOAT	HR	ΔF	0	10	6
							ΔC	0	5.56	3.33
0x0147	327	2	COOLSTP_DMDRSTCL	Dmd Reset Cool Adjust	16bits FLOAT	HR	°F	0	10	4
							°C	–17.78	–12.22	–15.56

APPENDIX B — BACNET, CCN NETWORK AND MODBUS POINTS FOR 48/50V (cont)

ModBus — 48/50V Units — PIC 6.0, Version 2.X (cont)

ADDRESS		REG			DISPLAY			VALUE		
HEXADECIMAL	DECIMAL	NO.	PARAMETER	DESCRIPTION	MODE	TYPE	UNIT	MIN	MAX	DEFAULT
0x0148	328	2	HEATSTP_DMDRSTHT	Dmd Reset Heat Adjust	16bits FLOAT	HR	°F	0	10	4
							°C	–17.78	–12.22	–15.56
0x0149	329	1	EFCFG_CONTROL	EXF Control Config	16bits UINT	HR		0	3	0
0x014A	330	2	EFCFG_MINSPD	EXF Min Speed	16bits FLOAT	HR	PERCENT	0	100	10
0x014B	331	2	EFCFG_MAXSPD	EXF Max Speed	16bits FLOAT	HR	PERCENT	20	100	50
0x014C	332	2	EFCFG_SPEED1	EXF Speed OAD Pos 1	16bits FLOAT	HR	PERCENT	0	100	25
0x014D	333	2	EFCFG_SPEED2	EXF Speed OAD Pos 2	16bits FLOAT	HR	PERCENT	0	100	50
0x014E	334	2	EFCFG_DAMPPOS1	EXF OAD Pos 1	16bits FLOAT	HR	PERCENT	0	100	50
0x014F	335	2	EFCFG_DAMPPOS2	EXF OAD Pos 2	16bits FLOAT	HR	PERCENT	0	100	100
0x0150	336	2	EFCFG_PEOAD1	EXF OAD Position 1	16bits FLOAT	HR	PERCENT	0	100	25
0x0151	337	2	EFCFG_PEOAD2	EXF OAD Position 2	16bits FLOAT	HR	PERCENT	0	100	50
0x0152	338	2	EFCFG_PEOAD3	EXF OAD Position 3	16bits FLOAT	HR	PERCENT	0	100	75
0x0153	339	2	EFCFG_PEOAD4	EXF OAD Position 4	16bits FLOAT	HR	PERCENT	0	100	100
0x0154	340	2	EFCFG_PEOAD5	EXF OAD Position 5	16bits FLOAT	HR	PERCENT	0	100	100
0x0155	341	2	EFCFG_PEOAD6	EXF OAD Position 6	16bits FLOAT	HR	PERCENT	0	100	100
0x0156	342	2	EFCFG_EXFPURGE	EXF Smoke Purge Speed	16bits FLOAT	HR	PERCENT	0	100	0
0x0157	343	2	EFCFG_EXFEVAC	EXF Evacuation Speed	16bits FLOAT	HR	PERCENT	0	100	0
0x0158	344	2	EFSTP_EFBPSPT	Building Pressure	16bits FLOAT	HR	in. wg	–0.3	0.3	0.05
							mm wg	–7.62	7.62	1.27
0x0159	345	1	EMAILCFG_Send	Send Email option	16bits UINT	HR	—	0	1	0
0x015A	346	1	EMAILCFG_portNbr	Port Number	16bits UINT	HR	—	—	—	0
0x015B	347	1	EMAILCFG_srvTim	Server Timeout	16bits UINT	HR	—	—	—	0
0x015C	348	1	EMAILCFG_attach_blackbox	Attach Blackbox Log	16bits UINT	HR	—	0	1	0
0x015D	349	1	EQUIPCFG_SMOKEEN	Smoke Detector	16bits UINT	HR	—	0	1	0
0x015E	350	1	EQUIPCFG_TSTATEN	Thermostat	16bits UINT	HR	—	0	1	0
0x015F	351	1	EQUIPCFG_HUMSWEN	Humidistat	16bits UINT	HR	—	0	1	0
0x0160	352	1	EQUIPCFG_FILTSWEN	Pre-Filter Switch	16bits UINT	HR	—	0	1	0
0x0161	353	1	EQUIPCFG_RESWEN	Remote Input	16bits UINT	HR	—	0	2	0
0x0162	354	1	EQUIPCFG_PMREN	Phase Monitor	16bits UINT	HR	—	0	1	0
0x0163	355	1	EQUIPCFG_SHTDWNEN	Emergency Shutdown En	16bits UINT	HR	—	0	1	0
0x0164	356	1	EQUIPCFG_ZDOREN	ZDOR	16bits UINT	HR	—	0	1	0
0x0165	357	1	EQUIPCFG_ALARMEN	Alarm Output	16bits UINT	HR	—	0	1	0
0x0166	358	1	EQUIPCFG_EATEN	EAT Sensor	16bits UINT	HR	—	0	1	0
0x0167	359	1	EQUIPCFG_OACFMEN	OACFM Sensor	16bits UINT	HR	—	0	1	0
0x0168	360	1	EQUIPCFG_IDFVFDBY	IDF VFD Bypass	16bits UINT	HR	—	0	1	0
0x0169	361	1	EQUIPCFG_SF3PEN	IDF 3rd Party Mod	16bits UINT	HR	—	0	1	0
0x016A	362	1	EQUIPCFG_SPSREN	SPSR Sensor	16bits UINT	HR	—	0	1	0
0x016B	363	1	EQUIPCFG_EF3PEN	EXF 3rd Party Mod	16bits UINT	HR	—	0	1	0
0x016C	364	1	EQUIPCFG_RH3PEN	3rd Party Reheat Enable	16bits UINT	HR	—	0	1	0
0x016D	365	1	EQUIPCFG_OAD3PEN	OAD 3rd Party Mod	16bits UINT	HR	—	0	1	0
0x016E	366	1	EQUIPCFG_ERVEN	ERV	16bits UINT	HR	—	0	1	0
0x016F	367	1	EQUIPCFG_ERVOAFEN	ERV OAF	16bits UINT	HR	—	0	1	0
0x0170	368	1	EQUIPCFG_ERVBYPEN	ERV Bypass Damper	16bits UINT	HR	—	0	1	0
0x0171	369	1	EQUIPCFG_FIRESWEN	Fire Switch	16bits UINT	HR	—	0	1	0
0x0172	370	1	EQUIPCFG_EVACEN	Evacuation Switch	16bits UINT	HR	—	0	1	0
0x0173	371	1	EQUIPCFG_PRESSEN	Pressurization Switch	16bits UINT	HR	—	0	1	0
0x0174	372	1	EQUIPCFG_EFEN	Exhaust Fan	16bits UINT	HR	—	0	1	0

APPENDIX B — BACNET, CCN NETWORK AND MODBUS POINTS FOR 48/50V (cont)

ModBus — 48/50V Units — PIC 6.0, Version 2.X (cont)

ADDRESS		REG			DISPLAY			VALUE		
HEXADECIMAL	DECIMAL	NO.	PARAMETER	DESCRIPTION	MODE	TYPE	UNIT	MIN	MAX	DEFAULT
0x0175	373	1	EQUIPCFG_ECONEN	Economizer (OAD)	16bits UINT	HR	—	0	1	0
0x0176	374	1	EQUIPCFG_HT1EN	Heat Stage 1 Relay	16bits UINT	HR	—	0	1	0
0x0177	375	1	EQUIPCFG_HT2EN	Heat Stage 2 Relay	16bits UINT	HR	—	0	1	0
0x0178	376	1	EQUIPCFG_HT3EN	Heat Stage 3 Relay	16bits UINT	HR	—	0	1	0
0x0179	377	1	EQUIPCFG_HT4EN	Heat Stage 4 Relay	16bits UINT	HR	—	0	1	0
0x017A	378	1	EQUIPCFG_DMDRSTEN	Demand Reset Switch	16bits UINT	HR	—	—	—	0
0x017B	379	1	EQUIPCFG_CONDEN	COFS	16bits UINT	HR	—	0	1	0
0x017C	380	1	EQUIPCFG_ENTHSWEN	Enthalpy Switch	16bits UINT	HR	—	0	1	0
0x017D	381	1	EQUIPCFG_IAQOREN	IAQ-OD Pos Reset Enable	16bits UINT	HR	—	0	1	0
0x017E	382	1	EQUIPCFG_AUXRELAY	Aux Relay	16bits UINT	HR	—	0	2	0
0x017F	383	1	EQUIPCFG_SIO1AI10	IAQ/OAD Input Config	16bits UINT	HR	—	0	5	0
0x0180	384	1	EQUIPCFG_SIO3DI7	Select IAQ or OAQ Switch	16bits UINT	HR	—	0	2	0
0x0181	385	1	OCCSTNDT	Occupied Standby Time	16bits UINT	HR	MINUTES	5	30	5
0x0182	386	1	UNITCFG_OCC_OT	Occupancy Override Time	16bits UINT	HR	HOURS	0	4	2
0x0183	387	1	ERVCFG_CHKTYPE	ERV Check Type	16bits UINT	HR	—	0	2	0
0x0184	388	2	ERVCFG_TMPTOL	ERV Temp Tolerance	16bits FLOAT	HR	ΔF	0	20	10
							ΔC	0	11.11	5.56
0x0185	389	2	ERVCFG_ENTTOL	ERV Enthalpy Tolerance	16bits FLOAT	HR	BTU/lb	0	2	2
							kJ/kg	–17.8	–11.15	–11.15
0x0186	390	2	ERVCFG_MAXBYPOP	ERV Fan Max Bypass Open	16bits FLOAT	HR	PERCENT	0	100	100
0x0187	391	2	ERVCFG_MAXBYPCL	ERV Fan Max Bypass Close	16bits FLOAT	HR	PERCENT	0	100	100
0x0188	392	2	ERVCFG_ERVMINPS	ERV Fan Damper Min Pos	16bits FLOAT	HR	PERCENT	0	100	10
0x0189	393	2	ERVCFG_WHMINPOS	ERV Wheel-Minimum Pos	16bits FLOAT	HR	PERCENT	0	100	10
0x018A	394	2	ERVCFG_ERVEFMIN	ERV Wheel Exh Min Speed	16bits FLOAT	HR	PERCENT	0	100	0
0x018B	395	2	ERVCFG_OFFTMPDB	ERV Off Temp DB	16bits FLOAT	HR	ΔF	0	10	5
							ΔC	0	5.56	2.78
0x018C	396	2	ERVCFG_OFFENTDB	ERV Off Enthalpy DB	16bits FLOAT	HR	BTU/lb	0	2	0.5
							kJ/kg	–17.80	–11.15	–16.14
0x018D	397	1	EXVSTP_SETPTENB	User Setpoint Enable	16bits UINT	HR	—	—	—	0
0x018E	398	2	EXVSTP_SupHtA1	A1 Superheat Setpoint	16bits FLOAT	HR	°F	—	—	0
							°C	—	—	–17.78
0x018F	399	2	EXVSTP_SupHtA2	A2 Superheat Setpoint	16bits FLOAT	HR	°F	—	—	0
							°C	—	—	–17.78
0x0190	400	2	EXVSTP_SupHtB1	B1 Superheat Setpoint	16bits FLOAT	HR	°F	—	—	0
							°C	—	—	–17.78
0x0191	401	2	EXVSTP_SupHtB2	B2 Superheat Setpoint	16bits FLOAT	HR	°F	—	—	0
							°C	—	—	–17.78
0x0192	402	1	EXVSTP_EXVSTENB	Manual Start Pos Enable	16bits UINT	HR	—	—	—	0
0x0193	403	2	EXVSTP_EXVSTA1	A1 Start Pos	16bits FLOAT	HR	PERCENT	0	100	35
0x0194	404	2	EXVSTP_EXVSTA2	A2 Start Pos	16bits FLOAT	HR	PERCENT	0	100	35
0x0195	405	2	EXVSTP_EXVSTB1	B1 Start Pos	16bits FLOAT	HR	PERCENT	0	100	35
0x0196	406	2	EXVSTP_EXVSTB2	B2 Start Pos	16bits FLOAT	HR	PERCENT	0	100	35
0x0197	407	1	FRECLCFG_FREECLEN	Occ Free Cool	16bits UINT	HR	—	—	—	0
0x0198	408	2	FRECLCFG_CHNGSEL	Changeover Select	16bits FLOAT	HR	—	0	3	0
0x0199	409	1	FRECLCFG_UFC	Unocc Free Cooling	16bits UINT	HR	—	0	1	0
0x019A	410	2	FRECLCFG_DIFFENTH	Diff Enthalpy Threshold	16bits FLOAT	HR	BTU/lb	0	2	0.5
							kJ/kg	–17.80	–11.15	–16.14

APPENDIX B — BACNET, CCN NETWORK AND MODBUS POINTS FOR 48/50V (cont)

ModBus — 48/50V Units — PIC 6.0, Version 2.X (cont)

ADDRESS		REG			DISPLAY			VALUE		
HEXADECIMAL	DECIMAL	NO.	PARAMETER	DESCRIPTION	MODE	TYPE	UNIT	MIN	MAX	DEFAULT
0x019B	411	1	FRECLCFG_DRYBLB	Dry Bulb Chngeover (OAT)	16bits UINT	HR	—	0	1	1
0x019C	412	2	FRECLCFG_DRYBLBTH	OAT Dry Bulb Threshold	16bits FLOAT	HR	°F	–40	120	75
							°C	–40.00	48.89	23.89
0x019D	413	1	FRECLCFG_DEWLIM	OADP Limit Check	16bits UINT	HR	—	0	1	0
0x019E	414	2	FRECLCFG_DEWLIMTH	OADP Threshold	16bits FLOAT	HR	°F	50	62	55
							°C	10.00	16.67	12.78
0x019F	415	2	FRECLCFG_DIFFDBTH	Diff Dry Bulb Threshold	16bits FLOAT	HR	°F	0	10	0
							°C	–17.78	–12.22	–17.78
0x01A0	416	2	FRECLCFG_IAQOADRS	IAQ Switch OAD Pos Reset	16bits FLOAT	HR	PERCENT	–100	0	–10
0x01A1	417	2	HCSTATUS_HEATREQ	Heat Request from UI	16bits FLOAT	IR	PERCENT	—	—	0
0x01A2	418	2	HCSTATUS_SATCTLPT	Supply Air Temp Cntrl Pt	16bits FLOAT	IR	—	—	—	0
0x01A3	419	2	HCSTATUS_CAPACT	Cooling Capacity	16bits FLOAT	IR	—	—	—	0
0x01A4	420	2	IDFSTP_ZPSETPT	Zone Pressure	16bits FLOAT	IR	in. wg	–0.25	0.25	0.05
							mm wg	–6.35	6.35	1.27
0x01A5	421	2	IDFCFG_SDPRLMIT	SP Reset Limit	16bits FLOAT	IR	in. wg	0	3	0.75
							mm wg	0	76.2	19.05
0x01A6	422	1	GENUNIT_OCCUPIED	Occupied	16bits UINT	IR	—	0	1	0
0x01A7	423	1	MDESTS_DMD_DET	Demand Determination	16bits INT	IR	—	—	—	0
0x01A8	424	1	MDESTS_OP_STATE	Operational State	16bits INT	IR	—	—	—	0
0x01A9	425	1	GENUNIT_HEATCOOL	Heat/Cool status	16bits UINT	IR	—	0	2	0
0x01AA	426	2	RFGTEMP_CCT	Cooling Coil Temp	16bits FLOAT	IR	°F	—	—	0
							°C	—	—	–17.78
0x01AB	427	1	BACNET_SCH_Objj	Sched Linked BACnet Obj	16bits UINT	IR	—	0	1	0
0x01AC	428	1	BACNET_loc_occ	Local Sched Occ Request	16bits UINT	IR	—	0	1	0
0x01AD	429	2	COOLSTP_HODACLSP	100% OA Cool SAT	16bits FLOAT	IR	°F	55	75	73
							°C	12.78	23.89	22.78
0x01AE	430	1	FILTER_STATUS	Filter Status	16bits UINT	IR	—	0	1	0
0x01AF	431	2	SERVICE1_M_FILTER	Pre-Filter Hours	16bits FLOAT	IR	HOURS	—	—	0
0x01B0	432	2	RFGTEMP_SGT1	Suction Gas Temp 1	16bits FLOAT	IR	°F	—	—	0
							°C	—	—	–17.78
0x01B1	433	2	RFGTEMP_DGTA	Discharge Gas Temp A	16bits FLOAT	IR	°F	—	—	0
							°C	—	—	–17.78
0x01B2	434	2	HMZR_CONDPURG	Humidizer Purge	16bits FLOAT	IR		—	—	0
0x01B3	435	2	DHUMSTP_DHUMSADP	Dehum SADP	16bits FLOAT	IR	°F	—	—	0
							°C	—	—	–17.78
0x01B4	436	1	EQUIPCFG_FRZSWEN	Freeze Switch	16bits UINT	IR	—	0	1	0
0x01B5	437	1	DMDLMCFG_DMDLMEN	Demand Limit Enable	16bits UINT	IR	—	0	1	0
0x01B6	438	1	DMDLMCFG_DMDCPEN	Capacity Limit Enable	16bits UINT	IR	—	0	1	0
0x01B7	439	1	HEATCFG_HTMPDVNT	Heat Tempered Venting	16bits UINT	HR	—	—	—	0
0x01B8	440	1	HEATCFG_HTTEMPCL	Heat Tempered Cooling	16bits UINT	HR	—	—	—	0
0x01B9	441	2	HEATCFG_HEATTTDB	Heat Tempered Cooling DB	16bits FLOAT	HR	—	—	—	0
0x01BA	442	1	SVCOUT_CMTRNDAH	Add Heat Comfort Trend	16bits UINT	HR	—	—	—	0
0x01BB	443	2	HEATCFG_HTTREND	Heat Trend Level	16bits FLOAT	HR	°F	0.1	5	0.1
							°C	–17.72	–15	–17.72
0x01BC	444	2	HEATCFG_HTTNDTM	Heat Trend Time	16bits FLOAT	HR	SECONDS	30	600	120
0x01BD	445	1	HEATCFG_HEAT_EBL	Morning Warmup Only	16bits UINT	HR	—	0	1	1
0x01BE	446	1	HEATCFG_HT2DTG	Heat 2Stage Dn Timeguard	16bits INT	HR	SECONDS	30	300	120

APPENDIX B — BACNET, CCN NETWORK AND MODBUS POINTS FOR 48/50V (cont)

ModBus — 48/50V Units — PIC 6.0, Version 2.X (cont)

ADDRESS		REG			DISPLAY			VALUE		
HEXADECIMAL	DECIMAL	NO.	PARAMETER	DESCRIPTION	MODE	TYPE	UNIT	MIN	MAX	DEFAULT
0x01BF	447	1	HEATCFG_HT2UTG	Heat 2Stage Up Timeguard	16bits INT	HR	SECONDS	30	300	120
0x01C0	448	2	SERVICE_TCSTHEAT	TC Start Heat Factor	16bits FLOAT	HR	—	0	60	0
0x01C1	449	1	HEATCFG_HEAT_FOD	Heat Fan Off Delay Timer	16bits UINT	HR	SECONDS	30	120	45
0x01C2	450	2	HEATSTP_HTSP_OCC	Occupied Heating	16bits FLOAT	HR	°F	55	80	68
							°C	12.78	26.67	20.00
0x01C3	451	2	HEATSTP_HTSP_UNO	Unoccupied Heating	16bits FLOAT	HR	°F	40	99	58
							°C	4.44	37.22	14.44
0x01C4	452	2	HEATSTP_SALOHTSP	Lo Heat SAT	16bits FLOAT	HR	°F	60	125	85
							°C	15.56	51.67	29.44
0x01C5	453	2	HEATSTP_SAHIHTSP	Hi Heat SAT	16bits FLOAT	HR	°F	60	125	95
							°C	15.56	51.67	35.00
0x01C6	454	2	HEATSTP_HODALHT	100% OA Low Heat SAT	16bits FLOAT	HR	°F	65	125	75
							°C	18.33	51.67	23.89
0x01C7	455	2	HEATSTP_HODAHHT	100% OA High Heat SAT	16bits FLOAT	HR	°F	65	125	85
							°C	18.33	51.67	29.44
0x01C8	456	2	HEATCFG_DOLOHTON	Lo Heat On DB	16bits FLOAT	HR	°F	0	2	1
							°C	–17.78	–16.67	–17.22
0x01C9	457	2	HEATCFG_DOLOHTOF	Lo Heat Off DB	16bits FLOAT	HR	°F	0.5	2	1
							°C	–17.50	–16.67	–17.22
0x01CA	458	2	HEATCFG_DOHIHTON	Hi Heat On DB	16bits FLOAT	HR	°F	0.5	20	1
							°C	–17.50	–6.67	–17.22
0x01CB	459	1	IDFCFG_OPSELECT	IDF Control	16bits UINT	HR	—	0	8	1
0x01CC	460	1	IDFCFG_SAVTYPE	SAV Mode Selection	16bits UINT	HR	—	0	1	0
0x01CD	461	2	IDFCFG_IDFMNSPD	Indoor Fan Min Speed	16bits FLOAT	HR	PERCENT	0	100	34
0x01CE	462	2	IDFCFG_IDFMXSPD	Indoor Fan Max Speed	16bits FLOAT	HR	PERCENT	0	100	100
0x01CF	463	2	IDFCFG_IDFCSPD1	Lo Cool IDF Speed	16bits FLOAT	HR	PERCENT	0	100	66
0x01D0	464	2	IDFCFG_IDFMCSPD	Med Cool IDF Speed	16bits FLOAT	HR	PERCENT	0	100	88
0x01D1	465	2	IDFCFG_IDFCSPD2	Hi Cool IDF Speed	16bits FLOAT	HR	PERCENT	0	100	100
0x01D2	466	2	IDFCFG_SAVLCCTH	SAV Low Cool Cap Thresh	16bits FLOAT	HR	PERCENT	0	100	70
0x01D3	467	2	IDFCFG_SAVMCCTH	SAV Med Cool Cap Thresh	16bits FLOAT	HR	PERCENT	0	100	75
0x01D4	468	2	IDFCFG_SAVHCCTH	SAV High Cool Cap Thresh	16bits FLOAT	HR	PERCENT	0	100	90
0x01D5	469	2	IDFCFG_IDFHSPD1	Lo Heat IDF Speed	16bits FLOAT	HR	PERCENT	0	100	66
0x01D6	470	2	IDFCFG_IDFHSPD2	Hi Heat IDF Speed	16bits FLOAT	HR	PERCENT	0	100	100
0x01D7	471	2	IDFCFG_IDFPURGE	IDF PURGE Speed	16bits FLOAT	HR	PERCENT	0	100	34
0x01D8	472	2	IDFCFG_IDFPRESS	IDF Pressurization Speed	16bits FLOAT	HR	PERCENT	0	100	34
0x01D9	473	2	IDFCFG_IDFEVAC	IDF Evacuation Speed	16bits FLOAT	HR	PERCENT	0	100	34
0x01DA	474	1	IDFCFG_OCCUCFG	Occupied Fan	16bits UINT	HR	—	0	1	0
0x01DB	475	1	IDFCFG_UNOCCFG	Unoccupied Fan	16bits UINT	HR	—	0	1	0
0x01DC	476	2	IDFCFG_SDPRS	SP Reset Source	16bits FLOAT	HR	—	0	5	0
0x01DD	477	2	IDFCFG_SDPRRTIO	SP Reset Ratio	16bits FLOAT	HR	in. wg	0	3	0.2
							mm wg	0	76.2	5.08
0x01DE	478	2	IDFCFG_SDPRTIME	SDP Reset Time	16bits FLOAT	HR	MINUTES	5	30	15
0x01DF	479	2	IDFCFG_SDPRZDP	SDP Reset ZDP Threshold	16bits FLOAT	HR	PERCENT	40	100	85
0x01E0	480	2	IDFSTP_CO2LVL	CO2 Level	16bits FLOAT	HR	PPM	0	2000	2000
0x01E1	481	2	IDFSTP_DUCTSET	Supply Pressure	16bits FLOAT	HR	in. wg	0	2.5	1.5
							mm wg	0	63.5	38.1

APPENDIX B — BACNET, CCN NETWORK AND MODBUS POINTS FOR 48/50V (cont)

ModBus — 48/50V Units — PIC 6.0, Version 2.X (cont)

ADDRESS		REG			DISPLAY			VALUE		
HEXADECIMAL	DECIMAL	NO.	PARAMETER	DESCRIPTION	MODE	TYPE	UNIT	MIN	MAX	DEFAULT
0x01E2	482	2	IDFSTP_AIRFLOW	Air Flow Setpoint	16bits FLOAT	HR	CFM	0	50000	1200
							m^3/min	0	1416	33.99
0x01E3	483	1	MDESTS_CIRCAMDN	Circuit A Mode	16bits UINT	IR	—	—	—	0
0x01E4	484	1	MDESTS_CIRCBMDN	Circuit B Mode	16bits UINT	IR	—	—	—	0
0x01E5	485	1	MDESTS_CMPA1MDN	Comp A1 Mode	16bits UINT	IR	—	—	—	0
0x01E6	486	1	CMPASTS_BOOSTSTA	Cir A VSC Boost State	16bits UINT	IR	—	—	—	0
0x01E7	487	1	MDESTS_CMPA2MDN	Comp A2 Mode	16bits UINT	IR	—	—	—	0
0x01E8	488	1	MDESTS_CMPB1MDN	Comp B1 Mode	16bits UINT	IR	—	—	—	0
0x01E9	489	1	MDESTS_CMPB2MDN	Comp B2 Mode	16bits UINT	IR	—	—	—	0
0x01EA	490	1	MDESTS_ODF1MDN	CF 1 Mode	16bits UINT	IR	—	—	—	0
0x01EB	491	1	MDESTS_ODF2MDN	CF 2 Mode	16bits UINT	IR	—	—	—	0
0x01EC	492	1	MDESTS_ODF3MDN	CF 3 Mode	16bits UINT	IR	—	—	—	0
0x01ED	493	1	MDESTS_IDFMDNUM	Indoor Fan Mode	16bits UINT	IR	—	—	—	0
0x01EE	494	1	MDESTS_HEATRMDN	Heater Mode	16bits UINT	IR	—	—	—	0
0x01EF	495	1	MDESTS_ECONMNUM	OAD Mode	16bits UINT	IR	—	—	—	0
0x01F0	496	1	MDESTS_ERVCHECK	ERV Check Status	16bits UINT	IR	—	0	1	0
0x01F1	497	1	MDESTS_DHUMPURG	Reheat Oil Purge	16bits UINT	IR	—	0	1	0
0x01F2	498	1	LINK_ACT	Linkage Active	16bits UINT	IR	—	—	—	0
0x01F3	499	2	ANALOGIN_SPRHNET	Net SPRH	16bits FLOAT	HR	PERCENT	—	—	0
0x01F4	500	2	ANALOGIN_RARHNET	Net RARH	16bits FLOAT	HR	PERCENT	—	—	0
0x01F5	501	2	ANALOGIN_OACFMNET	Net Outdoor Air CFM	16bits FLOAT	HR	CFM	—	—	0
							m^3/min	—	—	0
0x01F6	502	2	ANALOGIN_OCFMRNET	Net OA CFM Reset	16bits FLOAT	HR	CFM	—	—	0
							m^3/min	—	—	0
0x01F7	503	2	ANALOGIN_IAQORNET	Net IAQ OAD Pos Reset	16bits FLOAT	HR	PERCENT	—	—	0
0x01F8	504	2	AIRPRESS_BPNET	Net Building Pressure	16bits FLOAT	HR	in. wg	—	—	0
							mm wg	—	—	0
0x01F9	505	2	ANALOGIN_EF3P_NET	Net 3rd Party EXF	16bits FLOAT	HR	PERCENT	—	—	0
0x01FA	506	2	ANALOGIN_OD3P_NET	Net 3rd Party OAD	16bits FLOAT	HR	PERCENT	—	—	0
0x01FB	507	2	ANALOGIN_SF3P_NET	Net 3rd Party IDF	16bits FLOAT	HR	PERCENT	—	—	0
0x01FC	508	2	ANALOGIN_OAQNET	Net Outdoor Air Quality	16bits FLOAT	HR	PPM	—	—	0
0x01FD	509	2	ANALOGIN_IAQNET	Net Indoor Air Quality	16bits FLOAT	HR	PPM	—	—	0
0x01FE	510	2	ANALOGIN_IAQRNET	Net IAQ Reset	16bits FLOAT	HR	PPM	—	—	0
0x01FF	511	2	AIRPRESS_SDP_NET	Network Supply Pressure	16bits FLOAT	HR	in. wg	—	—	0
							mm wg	—	—	0
0x0200	512	2	AIRTEMP_SPTNET	Net SPT	16bits FLOAT	HR	°F	—	—	0
							°C	—	—	–17.78
0x0201	513	2	AIRTEMP_SPTONET	Net Space Temp Offset	16bits FLOAT	HR	°F	—	—	0
							°C	—	—	–17.78
0x0202	514	2	AIRTEMP_OATNET	Net OAT	16bits FLOAT	HR	°F	—	—	0
							°C	—	—	–17.78
0x0203	515	1	GENUNIT_NETOCC	Network Occupancy	16bits UINT	HR	—	0	2	2
0x0204	516	1	NETIN_Y1_NET	Network Y1	16bits UINT	HR	—	0	1	0
0x0205	517	1	NETIN_Y2_NET	Network Y2	16bits UINT	HR	—	0	1	0
0x0206	518	1	NETIN_W1_NET	Network W1	16bits UINT	HR	—	0	1	0
0x0207	519	1	NETIN_W2_NET	Network W2	16bits UINT	HR	—	0	1	0
0x0208	520	1	NETIN_G_NET	Network G	16bits UINT	HR	—	0	1	0

APPENDIX B — BACNET, CCN NETWORK AND MODBUS POINTS FOR 48/50V (cont)

ModBus — 48/50V Units — PIC 6.0, Version 2.X (cont)

ADDRESS		REG			DISPLAY			VALUE		
HEXADECIMAL	DECIMAL	NO.	PARAMETER	DESCRIPTION	MODE	TYPE	UNIT	MIN	MAX	DEFAULT
0x0209	521	1	NETIN_HSTATNET	Network HSTAT	16bits UINT	HR	—	0	1	0
0x020A	522	2	ANALOGIN_SPSR_NET	Net SP Reset	16bits FLOAT	HR	in. wg	0	5	0
							mm wg	0	127	0
0x020B	523	2	ANALOGIN_ZDPNET	Net Zone Damper Position	16bits FLOAT	HR	PERCENT	—	—	0
0x020C	524	1	OCCSBNET	Occupied Standby Net	16bits UINT	HR	—	—	—	0
0x020D	525	1	ZS_OCCSB	Occupied Standby ZS	16bits UINT	HR	—	—	—	0
0x020E	526	1	OADCFG_ECONCTRL	Ventilation Control	16bits UINT	HR	—	0	5	0
0x020F	527	1	OADCFG_IAQOCFG	IAQ Override Conf	16bits UINT	HR	—	0	2	0
0x0210	528	2	OADCFG_MINPOS	OAD Min Position	16bits FLOAT	HR	PERCENT	0	100	10
0x0211	529	2	OADCFG_MAXPOS	OAD Max Position	16bits FLOAT	HR	PERCENT	0	100	100
0x0212	530	2	OADCFG_MINOADCP	Min OAD Control Point	16bits FLOAT	HR	PERCENT	0	100	75
0x0213	531	2	OADCFG_OADEVAC	OAD Smoke Evac Speed	16bits FLOAT	HR	PERCENT	0	100	0
0x0214	532	2	IDFCFG_VENTSPD1	IDF Vent Speed 1	16bits FLOAT	HR	PERCENT	0	100	66
0x0215	533	2	IDFCFG_VENTSPD2	IDF Vent Speed 2	16bits FLOAT	HR	PERCENT	0	100	70
0x0216	534	2	IDFCFG_VENTSPD3	IDF Vent Speed 3	16bits FLOAT	HR	PERCENT	0	100	80
0x0217	535	2	IDFCFG_VENTSPD4	IDF Vent Speed 4	16bits FLOAT	HR	PERCENT	0	100	100
0x0218	536	1	FRECLCFG_ODAIRQ	OAQ Check	16bits UINT	HR	—	0	1	0
0x0219	537	2	OADCFG_OADPOS1	OA Damper Vent Pos 1	16bits FLOAT	HR	PERCENT	0	100	60
0x021A	538	2	OADCFG_OADPOS2	OA Damper Vent Pos 2	16bits FLOAT	HR	PERCENT	0	100	38
0x021B	539	2	OADCFG_OADPOS3	OA Damper Vent Pos 3	16bits FLOAT	HR	PERCENT	0	100	30
0x021C	540	2	OADCFG_OADPOS4	OA Damper Vent Pos 4	16bits FLOAT	HR	PERCENT	0	100	0
0x021D	541	1	OADCFG_IAQSBVEN	IAQ Vent Standby Demand	16bits UINT	HR	—	0	1	0
0x021E	542	1	OADCFG_IAQRESET	IAQ Reset Source	16bits UINT	HR	—	0	3	0
0x021F	543	2	OADCFG_IAQOTH	IAQ Override Threshold	16bits FLOAT	HR	PPM	400	2000	1200
0x0220	544	2	OADCFG_IAQODB	IAQ Override Deadband	16bits FLOAT	HR	PPM	100	1000	200
0x0221	545	2	OADCFG_IAQOPOS	IAQ Override Position	16bits FLOAT	HR	PERCENT	0	100	50
0x0222	546	1	OADCFG_IAQPOP	IAQ Pre-Occ Purge	16bits UINT	HR	—	0	1	1
0x0223	547	2	OADCFG_IAQPDUR	IAQ Purge Duration	16bits FLOAT	HR	MINUTES	5	60	15
0x0224	548	2	OADCFG_IAQPLOCK	IAQ Purge Lockout	16bits FLOAT	HR	°F	35	70	50
							°C	1.67	21.11	10.00
0x0225	549	2	OADCFG_IAQPRGLL	IAQ Purge OAT Lo Lockout	16bits FLOAT	HR	°F	0	50	45
							°C	–17.78	10.00	7.22
0x0226	550	2	OADCFG_IAQPRGHL	IAQ Purge OAT Hi Lockout	16bits FLOAT	HR	°F	85	115	95
							°C	29.44	46.11	35.00
0x0227	551	2	OADCFG_IAQPLOTP	IAQ Purge Lo Temp Pos	16bits FLOAT	HR	PERCENT	0	100	10
0x0228	552	2	OADCFG_IAQPHITP	IAQ Purge Hi Temp Pos	16bits FLOAT	HR	PERCENT	0	100	35
0x0229	553	2	OADCFG_IAQCFMRS	IAQ OA CFM Reset	16bits FLOAT	HR	CFM	–40000	0	0
							m^3/min	–1132.8	0	0
0x022A	554	1	OADCFG_PRGSHORT	Purge Short Duration	16bits INT	HR	MINUTES	5	30	20
0x022B	555	1	OADCFG_PRGLONG	Purge Long Duration	16bits INT	HR	MINUTES	10	60	60
0x022C	556	2	FRECLCFG_ODAIRQTH	OAQ Lockout	16bits FLOAT	HR	PPM	1000	2000	1300
0x022D	557	1	OADCFG_OABPOREN	Bld Pressure Override En	16bits UINT	HR	—	0	1	0
0x022E	558	2	OADCFG_OABPORTH	Bld Pressure Threshold	16bits FLOAT	HR	in. wg	0	0.2	0.02
							mm wg	0	5.08	0.51
0x022F	559	2	OADCFG_OABPORDB	Bld Pressure Deadband	16bits FLOAT	HR	in. wg	0	0.05	0.01
							mm wg	0	1.27	0.25

APPENDIX B — BACNET, CCN NETWORK AND MODBUS POINTS FOR 48/50V (cont)

ModBus — 48/50V Units — PIC 6.0, Version 2.X (cont)

ADDRESS		REG			DISPLAY			VALUE		
HEXADECIMAL	DECIMAL	NO.	PARAMETER	DESCRIPTION	MODE	TYPE	UNIT	MIN	MAX	DEFAULT
0x0230	560	2	OADCFG_CFMSP	OACFM Setpoint	16bits FLOAT	HR	CFM	0	20000	780
							m^3/min	0	566.40	22.09
0x0231	561	1	RESET_RT_CMPA1	Reset Comp A1 Min/Starts	16bits UINT	HR	—	—	—	0
0x0232	562	1	RESET_RT_CMPA2	Reset Comp A2 Min/Starts	16bits UINT	HR	—	—	—	0
0x0233	563	1	RESET_RT_CMPB1	Reset Comp B1 Min/Starts	16bits UINT	HR	—	—	—	0
0x0234	564	1	RESET_RT_CMPB2	Reset Comp B2 Min/Starts	16bits UINT	HR	—	—	—	0
0x0235	565	1	RESET_RT_CND1	Reset CF 1 Min/Starts	16bits UINT	HR	—	—	—	0
0x0236	566	1	RESET_RT_CND2	Reset CF 2 Min/Starts	16bits UINT	HR	—	—	—	0
0x0237	567	1	RESET_RT_CND3	Reset CF 3 Min/Starts	16bits UINT	HR	—	—	—	0
0x0238	568	1	RESET_RT_CNDA	Reset CF A Min/Starts	16bits UINT	HR	—	—	—	0
0x0239	569	1	RESET_RT_CNDB	Reset CF B Min/Starts	16bits UINT	HR	—	—	—	0
0x023A	570	1	RESET_RT_IDF	Reset IDF Min/Starts	16bits UINT	HR	—	—	—	0
0x023B	571	1	RESET_RT_EFAN	Reset EXF Min/Starts	16bits UINT	HR	—	—	—	0
0x023C	572	1	RESET_RT_CCHA	Reset CCH A Min/Starts	16bits UINT	HR	—	—	—	0
0x023D	573	1	RESET_RT_CCHB	Reset CCH B Min/Starts	16bits UINT	HR	—	—	—	0
0x023E	574	1	RESET_RT_CCH	Reset CCH Min/Starts	16bits UINT	HR	—	—	—	0
0x023F	575	1	RESET_RT_DAMP	Reset OAD Min/Starts	16bits UINT	HR	—	—	—	0
0x0240	576	1	RESET_RT_STGHEAT	Reset Heat Min/Starts	16bits UINT	HR	—	—	—	0
0x0241	577	1	RESET_RT_HMZRVLV	Reset HGRH Min/Starts	16bits UINT	HR	—	—	—	0
0x0242	578	1	GENUNIT_FLTR_RST	Reset Filter Hours	16bits UINT	HR	—	—	—	0
0x0243	579	1	RESET_RT_OILCYCLA	Reset Oil Cnt Cir A	16bits UINT	HR	—	—	—	0
0x0244	580	1	RESET_RT_OILCYCLB	Reset OilCnt Cir B	16bits UINT	HR	—	—	—	0
0x0245	581	1	RESET_RT_HUMPURC	Reset Humidimer Cnt	16bits UINT	HR	—	—	—	0
0x0246	582	2	RFGPRESS_SPA	Cir A Suction Pressure	16bits FLOAT	IR	PSIG	—	—	0
							kPa	—	—	0
0x0247	583	2	RFGPRESS_SPB	Cir B Suction Pressure	16bits FLOAT	IR	PSIG	—	—	0
							kPa	—	—	0
0x0248	584	2	RFGPRESS_DPA	Cir A Discharge Pressure	16bits FLOAT	IR	PSIG	—	—	0
							kPa	—	—	0
0x0249	585	2	RFGPRESS_DPB	Cir B Discharge Pressure	16bits FLOAT	IR	PSIG	—	—	0
							kPa	—	—	0
0x024A	586	2	RFGTEMP_SSTA	Saturated Suction A	16bits FLOAT	IR	°F	—	—	0
							°C	—	—	–17.78
0x024B	587	2	RFGTEMP_SSTB	Saturated Suction B	16bits FLOAT	IR	°F	—	—	0
							°C	—	—	–17.78
0x024C	588	2	RFGTEMP_SDTA	Saturated Discharge CirA	16bits FLOAT	IR	°F	—	—	0
							°C	—	—	–17.78
0x024D	589	2	RFGTEMP_SDTB	Saturated Discharge CirB	16bits FLOAT	IR	°F	—	—	0
							°C	—	—	–17.78
0x024E	590	2	RFGTEMP_SSHA1	A1 Superheat Temp	16bits FLOAT	IR	°F	—	—	0
							°C	—	—	–17.78
0x024F	591	2	RFGTEMP_SSHA2	A2 Superheat Temp	16bits FLOAT	IR	°F	—	—	0
							°C	—	—	–17.78
0x0250	592	2	RFGTEMP_SSHB1	B1 Superheat Temp	16bits FLOAT	IR	°F	—	—	0
							°C	—	—	–17.78
0x0251	593	2	RFGTEMP_SSHB2	B2 Superheat Temp	16bits FLOAT	IR	°F	—	—	0
							°C	—	—	–17.78

APPENDIX B — BACNET, CCN NETWORK AND MODBUS POINTS FOR 48/50V (cont)

ModBus — 48/50V Units — PIC 6.0, Version 2.X (cont)

ADDRESS		REG			DISPLAY			VALUE		
HEXADECIMAL	DECIMAL	NO.	PARAMETER	DESCRIPTION	MODE	TYPE	UNIT	MIN	MAX	DEFAULT
0x0252	594	2	RFGTEMP_SGTA1	Suction Gas Temp Cir A1	16bits FLOAT	IR	°F	—	—	0
							°C	—	—	–17.78
0x0253	595	2	RFGTEMP_SGTA2	Suction Gas Temp Cir A2	16bits FLOAT	IR	°F	—	—	0
							°C	—	—	–17.78
0x0254	596	2	RFGTEMP_SGTB1	Suction Gas Temp Cir B1	16bits FLOAT	IR	°F	—	—	0
							°C	—	—	–17.78
0x0255	597	2	RFGTEMP_SGTB2	Suction Gas Temp Cir B2	16bits FLOAT	IR	°F	—	—	0
							°C	—	—	–17.78
0x0256	598	2	RFGTEMP_OILTSMPA	Oil Sump Temp	16bits FLOAT	IR	°F	—	—	0
							°C	—	—	–17.78
0x0257	599	2	RUNTIME_COMPA1RT	Comp A1 Minutes	16bits FLOAT	IR	—	—	—	0
0x0258	600	2	RUNTIME_COMPA1SC	Comp A1 Start Count	16bits FLOAT	IR	—	—	—	0
0x0259	601	2	RUNTIME_COMPA1RC	Comp A1 Reset Count	16bits FLOAT	IR	—	—	—	0
0x025A	602	2	RUNTIME_COMPA2RT	Comp A2 Minutes	16bits FLOAT	IR	—	—	—	0
0x025B	603	2	RUNTIME_COMPA2SC	Comp A2 Start Count	16bits FLOAT	IR	—	—	—	0
0x025C	604	2	RUNTIME_COMPA2RC	Comp A2 Reset Count	16bits FLOAT	IR	—	—	—	0
0x025D	605	2	RUNTIME_COMPB1RT	Comp B1 Minutes	16bits FLOAT	IR	—	—	—	0
0x025E	606	2	RUNTIME_COMPB1SC	Comp B1 Start Count	16bits FLOAT	IR	—	—	—	0
0x025F	607	2	RUNTIME_COMPB1RC	Comp B1 Reset Count	16bits FLOAT	IR	—	—	—	0
0x0260	608	2	RUNTIME_COMPB2RT	Comp B2 Minutes	16bits FLOAT	IR	—	—	—	0
0x0261	609	2	RUNTIME_COMPB2SC	Comp B2 Start Count	16bits FLOAT	IR	—	—	—	0
0x0262	610	2	RUNTIME_COMPB2RC	Comp B2 Reset Count	16bits FLOAT	IR	—	—	—	0
0x0263	611	2	RUNTIME_CND1_RT	CF 1 Minutes	16bits FLOAT	IR	—	—	—	0
0x0264	612	2	RUNTIME_CND1_SC	CF 1 Start Count	16bits FLOAT	IR	—	—	—	0
0x0265	613	2	RUNTIME_CND1_RC	CF 1 Reset Count	16bits FLOAT	IR	—	—	—	0
0x0266	614	2	RUNTIME_CND2_RT	CF 2 Minutes	16bits FLOAT	IR	—	—	—	0
0x0267	615	2	RUNTIME_CND2_SC	CF 2 Start Count	16bits FLOAT	IR	—	—	—	0
0x0268	616	2	RUNTIME_CND2_RC	CF 2 Reset Count	16bits FLOAT	IR	—	—	—	0
0x0269	617	2	RUNTIME_CND3_RT	CF 3 Minutes	16bits FLOAT	IR	—	—	—	0
0x026A	618	2	RUNTIME_CND3_SC	CF 3 Start Count	16bits FLOAT	IR	—	—	—	0
0x026B	619	2	RUNTIME_CND3_RC	CF 3 Reset Count	16bits FLOAT	IR	—	—	—	0
0x026C	620	2	RUNTIME_IDF_RT	Indoor Fan Minutes	16bits FLOAT	IR	—	—	—	0
0x026D	621	2	RUNTIME_IDF_SC	Indoor Fan Start Count	16bits FLOAT	IR	—	—	—	0
0x026E	622	2	RUNTIME_IDF_RC	Indoor Fan Reset Count	16bits FLOAT	IR	—	—	—	0
0x026F	623	2	RUNTIME_EFAN_RT	Exhaust Fan Minutes	16bits FLOAT	IR	—	—	—	0
0x0270	624	2	RUNTIME_EFAN_SC	Exhaust Fan Start Count	16bits FLOAT	IR	—	—	—	0
0x0271	625	2	RUNTIME_EFAN_RC	Exhaust Fan Reset Count	16bits FLOAT	IR	—	—	—	0
0x0272	626	2	RUNTIME_SHEAT_RT	Heat Minutes	16bits FLOAT	IR	—	—	—	0
0x0273	627	2	RUNTIME_SHEAT_SC	Heat Start Count	16bits FLOAT	IR	—	—	—	0
0x0274	628	2	RUNTIME_SHEAT_RC	Heat Reset Count	16bits FLOAT	IR	—	—	—	0
0x0275	629	2	RUNTIME_HMVLV_RT	HGRH Valve Minutes	16bits FLOAT	IR	—	—	—	0
0x0276	630	2	RUNTIME_HMVLV_SC	HGRH Valve Start Count	16bits FLOAT	IR	—	—	—	0
0x0277	631	2	RUNTIME_HMVLV_RC	HGRH Valve Reset Count	16bits FLOAT	IR	—	—	—	0
0x0278	632	2	RUNTIME_DAMP_RT	OAD Minutes	16bits FLOAT	IR	—	—	—	0
0x0279	633	2	RUNTIME_DAMP_SC	OAD Start Count	16bits FLOAT	IR	—	—	—	0
0x027A	634	2	RUNTIME_DAMP_RC	OAD Reset Count	16bits FLOAT	IR	—	—	—	0
0x027B	635	2	RUNTIME_CCHRA_RT	CCH A Minutes	16bits FLOAT	IR	—	—	—	0

APPENDIX B — BACNET, CCN NETWORK AND MODBUS POINTS FOR 48/50V (cont)

ModBus — 48/50V Units — PIC 6.0, Version 2.X (cont)

ADDRESS		REG			DISPLAY			VALUE		
HEXADECIMAL	DECIMAL	NO.	PARAMETER	DESCRIPTION	MODE	TYPE	UNIT	MIN	MAX	DEFAULT
0x027C	636	2	RUNTIME_CCHRA_SC	CCH A Start Count	16bits FLOAT	IR	—	—	—	0
0x027D	637	2	RUNTIME_CCHRA_RC	CCH A Reset Count	16bits FLOAT	IR	—	—	—	0
0x027E	638	2	RUNTIME_CCHRB_RT	CCH B Minutes	16bits FLOAT	IR	—	—	—	0
0x027F	639	2	RUNTIME_CCHRB_SC	CCH B Start Count	16bits FLOAT	IR	—	—	—	0
0x0280	640	2	RUNTIME_CCHRB_RC	CCH B Reset Count	16bits FLOAT	IR	—	—	—	0
0x0281	641	2	RUNTIME_OILACYSC	Oil Cir A Count	16bits FLOAT	IR	—	—	—	0
0x0282	642	2	RUNTIME_OILBCYSC	Oil Cir B Count	16bits FLOAT	IR	—	—	—	0
0x0283	643	1	CMPASTS_OILRECAC	Oil Recovery Actv Cir A	16bits UINT	IR	—	—	—	0
0x0284	644	1	CMPASTS_ORTMLFTA	Cir A Oil Rec Time Left	16bits UINT	IR	SECONDS	—	—	0
0x0285	645	1	CMPBSTS_OILRECAC	Oil Recovery Actv Cir B	16bits UINT	IR	—	—	—	0
0x0286	646	1	CMPBSTS_ORTMLFTB	Cir B Oil Rec Time Left	16bits UINT	IR	SECONDS	—	—	0
0x0287	647	2	RUNTIME_HUMPUSC	Humdimizer Cycle Cnt	16bits FLOAT	IR	—	—	—	0
0x0288	648	2	GENUINIT_FILT_RT	Filter Minutes	16bits FLOAT	IR	—	—	—	0
0x0289	649	2	SERVICE_MAXOACFM	OACFM Sensor Max Range	16bits FLOAT	HR	CFM	1	40000	11000
							m^3/min	0.03	1132.80	311.52
0x028A	650	2	SERVICE1_HTTOCL	Heat to Cool Guard	16bits FLOAT	HR	MINUTES	0	20	10
0x028B	651	2	SERVICE1_CLTOHT	Cool to Heat Guard	16bits FLOAT	HR	MINUTES	0	20	10
0x028C	652	2	SERVICE1_ZDORCAP	ZDOR Heat Cap Thresh	16bits FLOAT	HR	PERCENT	50	100	50
0x028D	653	2	COOLCFG_CCHTHA	CCH A OAT Lockout	16bits FLOAT	HR	°F	50	90	80
							°C	10.00	32.22	26.67
0x028E	654	2	COOLCFG_CCHTHB	CCH B OAT Lockout	16bits FLOAT	HR	°F	50	90	80
							°C	10.00	32.22	26.67
0x028F	655	2	FRECLCFG_FCOOL_TG	Free Cool Timeguard	16bits FLOAT	HR	MINUTES	0	30	5
0x0290	656	2	COOLSTP_CMPMAXA1	Cmp Nominal Spd Max A1	16bits FLOAT	HR	PERCENT	—	—	100
0x0291	657	2	COOLSTP_CMPMINA1	Cmp Nominal Spd Min A1	16bits FLOAT	HR	PERCENT	—	—	0
0x0292	658	2	COOLSTP_CMPMAXA2	Cmp Nominal Spd Max A2	16bits FLOAT	HR	PERCENT	—	—	100
0x0293	659	2	COOLSTP_CMPMINA2	Cmp Nominal Spd Min A2	16bits FLOAT	HR	PERCENT	—	—	0
0x0294	660	2	COOLSTP_CMPMAXB1	Cmp Nominal Spd Max B1	16bits FLOAT	HR	PERCENT	—	—	100
0x0295	661	2	COOLSTP_CMPMINB1	Cmp Nominal Spd Min B1	16bits FLOAT	HR	PERCENT	—	—	0
0x0296	662	2	COOLSTP_CMPMAXB2	Cmp Nominal Spd Max B2	16bits FLOAT	HR	PERCENT	—	—	100
0x0297	663	2	COOLSTP_CMPMINB2	Cmp Nominal Spd Min B2	16bits FLOAT	HR	PERCENT	—	—	0
0x0298	664	2	COOLCFG_SATLO_DB	SAT Lo Deadband	16bits FLOAT	HR	°F	5	15	10
							°C	–15	–9.44	–12.22
0x0299	665	2	COOLCFG_SATHI_DB	SAT High Deadband	16bits FLOAT	HR	°F	2.5	10	5
							°C	–16.39	–12.22	–15
0x029A	666	1	DHUMCFG_DHUMMODE	Dehum Control Mode	16bits UINT	HR	—	0	3	0
0x029B	667	2	COOLCFG_SCT_HLIM	SCT High Limit	16bits FLOAT	HR	°F	100	140	115
							°C	37.78	60.00	46.11
0x029C	668	2	COOLCFG_SCT_LLIM	SCT Low Limit	16bits FLOAT	HR	°F	40	90	80
							°C	4.44	32.22	26.67
0x029D	669	2	DHUMCFG_RHMINPOS	HGRH Valve Min Pos	16bits FLOAT	HR	PERCENT	0	50	1
0x029E	670	2	DHUMCFG_RHMAXPOS	HGRH Valve Max Pos	16bits FLOAT	HR	PERCENT	50	100	99
0x029F	671	2	DHUMCFG_RHSTART	HGRH Start Pos	16bits FLOAT	HR	PERCENT	0	100	5
0x02A0	672	2	DHUMCFG_RHTIME	HGRH Startup Time	16bits FLOAT	HR	SECONDS	0	120	30
0x02A1	673	2	SERVICE1_CMPMATL	Comp MAT Lockout	16bits FLOAT	HR	°F	–20	70	65
							°C	–28.89	21.11	18.33

APPENDIX B — BACNET, CCN NETWORK AND MODBUS POINTS FOR 48/50V (cont)

ModBus — 48/50V Units — PIC 6.0, Version 2.X (cont)

ADDRESS		REG			DISPLAY			VALUE		
HEXADECIMAL	DECIMAL	NO.	PARAMETER	DESCRIPTION	MODE	TYPE	UNIT	MIN	MAX	DEFAULT
0x02A2	674	2	SERVICE1_CMPOATL	Comp OAT Lock	16bits FLOAT	HR	°F	–20	70	60
							°C	–28.89	21.11	15.56
0x02A3	675	1	CNDSTP_SDTStpEn	SDT Setpoint Enable	16bits UINT	HR	—	—	—	0
0x02A4	676	2	CNDSTP_SDTTEMP1	SDT Setpoint 1	16bits FLOAT	HR	°F	—	—	0
							°C	—	—	–17.78
0x02A5	677	2	CNDSTP_SDTTEMP2	SDT Setpoint 2	16bits FLOAT	HR	°F	—	—	0
							°C	—	—	–17.78
0x02A6	678	2	CNDSTP_SDTTEMP3	SDT Setpoint 3	16bits FLOAT	HR	°F	—	—	0
							°C	—	—	–17.78
0x02A7	679	2	COOLCFG_CFSPDMN1	CF Speed MIN	16bits FLOAT	HR	PERCENT	—	—	0
0x02A8	680	2	COOLCFG_CFSPDMX1	CF Speed MAX	16bits FLOAT	HR	PERCENT	—	—	100
0x02A9	681	1	CNDSTP_SPDStpEN	CF User Start Spd Enab	16bits UINT	HR	—	—	—	0
0x02AA	682	2	COOLCFG_CFSTSPD1	CF User Start Speed	16bits FLOAT	HR	PERCENT	—	—	0
0x02AB	683	1	SERVICE1_SVTESTMT	Test Mode Timeout	16bits UINT	HR	HOURS	1	168	8
0x02AC	684	1	SERVICE_DISABLEM	Service Lock Out	16bits UINT	HR	—	0	1	0
0x02AD	685	1	COOLCFG_LCRCO	Low Cap Req Comp On	16bits UINT	HR	—	0	1	1
0x02AE	686	1	SERVICE_NETINTO	Network Input Timeout	16bits UINT	HR	MINUTES	1	30	10
0x02AF	687	1	SERVICE_LLAGCFG	Lead Lag Config	16bits UINT	HR	—	1	2	1
0x02B0	688	2	SERVICE_RCYCLIM	Recycle Limit	16bits FLOAT	HR	°F	35	50	45
							°C	1.67	10.00	7.22
0x02B1	689	2	SERVICE_RCYCDB	Recycle DB	16bits FLOAT	HR	°F	0	10	5
							°C	–17.78	–12.22	–15.00
0x02B2	690	1	COOLCFG_VSCFS_OR	VSC Fixed Speed Override	16bits UINT	HR	—	0	1	0
0x02B3	691	2	DHUMCFG_OILLOWTH	Oil Recov Low Thld	16bits FLOAT	HR	PERCENT	0	100	20
0x02B4	692	2	DHUMCFG_OILHITH	Oil Recov High Thld	16bits FLOAT	HR	PERCENT	0	100	50
0x02B5	693	2	DHUMCFG_OILTIME	Dehum Oil Recov Time	16bits FLOAT	HR	MINUTES	0	120	60
0x02B6	694	1	FACTORY_OILRHLDT	Oil Recovery Hold Time	16bits UINT	HR	MINUTES	45	120	45
0x02B7	695	2	FACTORY_OILRECSP	Oil Recovery Speed	16bits FLOAT	HR	HZ	50	200	140
0x02B8	696	2	FACTORY_OILTIME1	Oil Recovery Time 1	16bits FLOAT	HR	SECONDS	10	500	90
0x02B9	697	2	FACTORY_OILTIME2	Oil Recovery Time 2	16bits FLOAT	HR	SECONDS	5	500	210
0x02BA	698	2	FACTORY_LOWOILA	Low Oil Threshold A	16bits FLOAT	HR	PERCENT	25	75	30
0x02BB	699	2	FACTORY_LOWOILB	Low Oil Threshold B	16bits FLOAT	HR	PERCENT	25	75	30
0x02BC	700	2	FACTORY_LOWOILTM	Oil Threshold Timer	16bits FLOAT	HR	SECONDS	1800	9000	3600
0x02BD	701	2	FACTORY_OILRSTLM	Oil Threshold Reset Lim	16bits FLOAT	HR	PERCENT	0	100	10
0x02BE	702	2	FACTORY_LOWOILRT	Low Oil Reset Threshold	16bits FLOAT	HR	PERCENT	25	100	50
0x02BF	703	1	STATES_CIRCASTN	Circuit A State	16bits UINT	IR	—	—	—	0
0x02C0	704	1	STATES_CIRCBSTN	Circuit B State	16bits UINT	IR	—	—	—	0
0x02C1	705	1	STATES_CMPA1STN	Comp A1 State	16bits UINT	IR	—	—	—	0
0x02C2	706	1	STATES_CMPA2STN	Comp A2 State	16bits UINT	IR	—	—	—	0
0x02C3	707	1	STATES_CMPB1STN	Comp B1 State	16bits UINT	IR	—	—	—	0
0x02C4	708	1	STATES_CMPB2STN	Comp B2 State	16bits UINT	IR	—	—	—	0
0x02C5	709	1	STATES_ODF1STN	ODF A State	16bits UINT	IR	—	—	—	0
0x02C6	710	1	STATES_ODF2STN	CF 2 State	16bits UINT	IR	—	—	—	0
0x02C7	711	1	STATES_ODF3STN	CF 3 State	16bits UINT	IR	—	—	—	0
0x02C8	712	1	STATES_IDFNUM	Indoor Fan State	16bits UINT	IR	—	—	—	0
0x02C9	713	1	STATES_RHTSTNUM	HGRH State	16bits UINT	IR	—	—	—	0
0x02CA	714	1	STATES_HEATRSTN	Heater State	16bits UINT	IR	—	—	—	0

APPENDIX B — BACNET, CCN NETWORK AND MODBUS POINTS FOR 48/50V (cont)

ModBus — 48/50V Units — PIC 6.0, Version 2.X (cont)

ADDRESS		REG			DISPLAY			VALUE		
HEXADECIMAL	DECIMAL	NO.	PARAMETER	DESCRIPTION	MODE	TYPE	UNIT	MIN	MAX	DEFAULT
0x02CB	715	1	STATES_ECONNUM	OAD State	16bits UINT	IR	—	—	—	0
0x02CC	716	1	STATES_OKTOFRCL	Free Cooling Available	16bits UINT	IR	—	—	—	0
0x02CD	717	1	STATES_OCCSRNUM	Occupancy Source	16bits UINT	IR	—	—	—	0
0x02CE	718	2	STATES_MINTILOC	Time Until Next Occupied	16bits FLOAT	IR	MINUTES	—	—	0
0x02CF	719	1	MDESTS_MODETCST	Temp Compensated Start	16bits UINT	IR	—	—	—	0
0x02D0	720	1	STATES_PURGEACT	Pre-Occ Purge State	16bits UINT	IR	—	0	1	0
0x02D1	721	1	OCCSB	Occupied Standby	16bits UINT	IR	—	—	—	0
0x02D2	722	1	STATES_OKTOFDHM	Free Dehum Status	16bits UINT	IR	—	—	—	0
0x02D3	723	1	SWTCHCFG_HTALMINV	Heat Alarm/Limit Switch	16bits UINT	HR	—	—	—	0
0x02D4	724	1	SWTCHCFG_CNDSWINV	Condensate Ovrflw Switch	16bits UINT	HR	—	—	—	0
0x02D5	725	1	SWTCHCFG_SMKSWINV	Smoke Detector	16bits UINT	HR	—	—	—	0
0x02D6	726	1	SWTCHCFG_IDFSWINV	Indoor Fan Limit Switch	16bits UINT	HR	—	—	—	0
0x02D7	727	1	SWTCHCFG_HPSAINV	High Pressure Switch	16bits UINT	HR	—	—	—	1
0x02D8	728	1	SWTCHCFG_TSTGINV	Thermostat G	16bits UINT	HR	—	—	—	0
0x02D9	729	1	SWTCHCFG_TSTY1INV	Thermostat Y1	16bits UINT	HR	—	—	—	0
0x02DA	730	1	SWTCHCFG_TSTY2INV	Thermostat Y2	16bits UINT	HR	—	—	—	0
0x02DB	731	1	SWTCHCFG_DHMSWINV	Humidistat Switch	16bits UINT	HR	—	—	—	0
0x02DC	732	1	SWTCHCFG_TSTW1INV	Thermostat W1	16bits UINT	HR	—	—	—	0
0x02DD	733	1	SWTCHCFG_TSTW2INV	Thermostat W2	16bits UINT	HR	—	—	—	0
0x02DE	734	1	SWTCHCFG_FLTSWINV	Filter Status Switch	16bits UINT	HR	—	—	—	0
0x02DF	735	1	SWTCHCFG_RESWINV	Remote Input	16bits UINT	HR	—	—	—	0
0x02E0	736	1	SWTCHCFG_PMRSWINV	Phase Monitor	16bits UINT	HR	—	—	—	0
0x02E1	737	1	SWTCHCFG_FRESWINV	Fire Shutdown	16bits UINT	HR	—	—	—	0
0x02E2	738	1	SWTCHCFG_FRSTINV	ERV Frost Indication	16bits UINT	HR	—	—	—	0
0x02E3	739	1	SWTCHCFG_WHLSTINV	ERV Wheel Motion Sensor	16bits UINT	HR	—	—	—	0
0x02E4	740	1	SWTCHCFG_HTENINV	Heat Enable	16bits UINT	HR	—	—	—	0
0x02E5	741	1	SWTCHCFG_DORINV	Damper Override Relay	16bits UINT	HR	—	—	—	0
0x02E6	742	1	SWTCHCFG_CMPA1INV	Compressor A1	16bits UINT	HR	—	—	—	0
0x02E7	743	1	SWTCHCFG_CMPA2INV	Compressor A2	16bits UINT	HR	—	—	—	0
0x02E8	744	1	SWTCHCFG_CCHRAINV	Crankcase Heater A	16bits UINT	HR	—	—	—	1
0x02E9	745	1	SWTCHCFG_PEENINV	EXF Enable	16bits UINT	HR	—	—	—	0
0x02EA	746	1	SWTCHCFG_EVBYPINV	ERV Bypass Damper	16bits UINT	HR	—	—	—	0
0x02EB	747	1	SWTCHCFG_ERVINV	ERV Wheel	16bits UINT	HR	—	—	—	0
0x02EC	748	1	SWTCHCFG_ALARMINV	Alarm Relay	16bits UINT	HR	—	—	—	0
0x02ED	749	1	UNITCFG_AUTRST	Auto Restart	16bits UINT	HR	—	0	1	0
0x02EE	750	1	LABONLY_SYSON	System On	16bits UINT	IR	—	—	—	0
0x02EF	751	2	LABONLY_CAPAPCT	System Capacity Req %	16bits FLOAT	IR	—	—	—	0
0x02F0	752	2	LABONLY_CAPACT	System Capacity Act %	16bits FLOAT	IR	—	—	—	0
0x02F1	753	2	CMPA1STS_LOADREQ	Load Request Comp A1	16bits FLOAT	IR	—	—	—	0
0x02F2	754	2	CMPA2STS_LOADREQ	Load Request Comp A2	16bits FLOAT	IR	—	—	—	0
0x02F3	755	2	CMPB1STS_LOADREQ	Load Request Comp B1	16bits FLOAT	IR	—	—	—	0
0x02F4	756	2	CMPB2STS_LOADREQ	Load Request Comp B2	16bits FLOAT	IR	—	—	—	0
0x02F5	757	2	OUTPUTS_EXVA1OBJ	EXV A1 Objective	16bits FLOAT	IR	—	—	—	0
0x02F6	758	2	OUTPUTS_EXVA2OBJ	EXV A2 Objective	16bits FLOAT	IR	—	—	—	0
0x02F7	759	2	OUTPUTS_EXVB1OBJ	EXV B1 Objective	16bits FLOAT	IR	—	—	—	0
0x02F8	760	2	OUTPUTS_EXVB2OBJ	EXV B2 Objective	16bits FLOAT	IR	—	—	—	0

APPENDIX B — BACNET, CCN NETWORK AND MODBUS POINTS FOR 48/50V (cont)

ModBus — 48/50V Units — PIC 6.0, Version 2.X (cont)

ADDRESS		REG			DISPLAY			VALUE		
HEXADECIMAL	DECIMAL	NO.	PARAMETER	DESCRIPTION	MODE	TYPE	UNIT	MIN	MAX	DEFAULT
0x02F9	761	2	COOLSTP_ACTV_SP	SAT Setpt	16bits FLOAT	IR	°F	—	—	0
							°C	—	—	–17.78
0x02FA	762	2	CMPASTS_SSTENVMN	SST Env Min CirA	16bits FLOAT	IR	—	—	—	0
0x02FB	763	2	CMPASTS_SSTENVMX	SST Env Max CirA	16bits FLOAT	IR	—	—	—	0
0x02FC	764	2	CMPASTS_SDTENVMN	SDT Env Min CirA	16bits FLOAT	IR	—	—	—	0
0x02FD	765	2	CMPASTS_SDTENVMX	SDT Env Max CirA	16bits FLOAT	IR	—	—	—	0
0x02FE	766	2	CMPBSTS_SSTENVMN	SST Env Min Cir B	16bits FLOAT	IR	—	—	—	0
0x02FF	767	2	CMPBSTS_SSTENVMX	SST Env Max Cir B	16bits FLOAT	IR	—	—	—	0
0x0300	768	2	CMPBSTS_SDTENVMN	SDT Env Min Cir B	16bits FLOAT	IR	—	—	—	0
0x0301	769	2	CMPBSTS_SDTENVMX	SDT Env Max Cir B	16bits FLOAT	IR	—	—	—	0
0x0302	770	2	CMPASTS_SSTABSMN	SST Abs Min CirA	16bits FLOAT	IR	—	—	—	0
0x0303	771	2	CMPASTS_SSTABSMX	SST Abs Max CirA	16bits FLOAT	IR	—	—	—	0
0x0304	772	2	CMPASTS_SDTABSMN	SDT Abs Min Cir A	16bits FLOAT	IR	—	—	—	0
0x0305	773	2	CMPASTS_SDTABSMX	SDT Abs Max Cir A	16bits FLOAT	IR	—	—	—	0
0x0306	774	2	CMPBSTS_SSTABSMN	SST Abs Min Cir B	16bits FLOAT	IR	—	—	—	0
0x0307	775	2	CMPBSTS_SSTABSMX	SST Abs Max Cir B	16bits FLOAT	IR	—	—	—	0
0x0308	776	2	CMPBSTS_SDTABSMN	SDT Abs Min Cir B	16bits FLOAT	IR	—	—	—	0
0x0309	777	2	CMPBSTS_SDTABSMX	SDT Abs Max Cir B	16bits FLOAT	IR	—	—	—	0
0x030A	778	2	LAB_SSHCMDA1	EXVA1 SSHCMD	16bits FLOAT	IR	—	—	—	0
0x030B	779	2	LAB_SSHSTPA1	EXVA1 SSHSTPT	16bits FLOAT	IR	—	—	—	0
0x030C	780	2	LAB_SSHCMDA2	EXVA2 SSHCMD	16bits FLOAT	IR	—	—	—	0
0x030D	781	2	LAB_SSHSTPA2	EXVA2 SSHSTPT	16bits FLOAT	IR	—	—	—	0
0x030E	782	2	LAB_SSHCMDB1	EXVB1 SSHCMD	16bits FLOAT	IR	—	—	—	0
0x030F	783	2	LAB_SSHSTPB1	EXVB1 SSHSTPT	16bits FLOAT	IR	—	—	—	0
0x0310	784	2	LAB_SSHCMDB2	EXVB2 SSHCMD	16bits FLOAT	IR	—	—	—	0
0x0311	785	2	LAB_SSHSTPB2	EXVB2 SSHSTPT	16bits FLOAT	IR	—	—	—	0
0x0312	786	2	LAB_DSTKPA1	EXVA1 DST KP	16bits FLOAT	IR	—	—	—	0
0x0313	787	2	LAB_DSTTIA1	EXVA1 DST TI	16bits FLOAT	IR	—	—	—	0
0x0314	788	2	LAB_SSHKPA1	EXVA1 SSH KP	16bits FLOAT	IR	—	—	—	0
0x0315	789	2	LAB_SSHTIA1	EXVA1 SSH TI	16bits FLOAT	IR	—	—	—	0
0x0316	790	2	LAB_DSTKPA2	EXVA2 DST KP	16bits FLOAT	IR	—	—	—	0
0x0317	791	2	LAB_DSTTIA2	EXVA2 DST TI	16bits FLOAT	IR	—	—	—	0
0x0318	792	2	LAB_SSHKPA2	EXVA2 SSH KP	16bits FLOAT	IR	—	—	—	0
0x0319	793	2	LAB_SSHTIA2	EXVA2 SSH TI	16bits FLOAT	IR	—	—	—	0
0x031A	794	2	LAB_DSTKPB1	EXVB1 DST KP	16bits FLOAT	IR	—	—	—	0
0x031B	795	2	LAB_DSTTIB1	EXVB1 DST TI	16bits FLOAT	IR	—	—	—	0
0x031C	796	2	LAB_SSHKPB2	EXVB2 SSH KP	16bits FLOAT	IR	—	—	—	0
0x031D	797	2	LAB_SSHTIB2	EXVB2 SSH TI	16bits FLOAT	IR	—	—	—	0
0x031E	798	1	LABONLY_DHUM_REQ	Dehum Request	16bits UINT	IR	—	—	—	0
0x031F	799	2	LAB_SDTTARG	SDT Target	16bits FLOAT	IR	—	—	—	0
0x0320	800	2	LAB_SATCTLPT	SAT Control Point	16bits FLOAT	IR	°F	—	—	0
							°C	—	—	–17.78
0x0321	801	2	GENUNIT_SMAXCCAP	Sys Max Cool Cap	16bits FLOAT	IR	PERCENT	0	100	0
0x0322	802	2	GENUNIT_SMAXHCAP	Sys Max Heat Cap	16bits FLOAT	IR	PERCENT	0	100	0
0x0323	803	2	LAB_OACFMCP	OA CFM Control Point	16bits FLOAT	IR	—	—	—	0
0x0325	805	1	LPALMEN	Low Power Alarm Enable	16bits UINT	HR	—	0	1	0

Field Testing

Fig. A shows a typical field test cable used for testing or capturing BACnet MSTP, RNET or Modbus messaging.

Fig. A — Typical Field Test Cable for BACnet MSTP, RNET or Modbus

APPENDIX C — NETWORK COMMUNICATION REPORT

The communication details are to be recorded by the installing contractor or controls contractor that configures the unit for communication. A copy of the communication details should be saved for record and shared with the customer. It may also be beneficial to store a copy in the unit control panel.

PROJECT INFORMATION

Project Name _____ Controls Installer _____

Address _____ Contact Name _____

City _____ Contact Phone _____

State/Providence _____ Zip Code _____ Contact Email _____

Building Automation System

Make _____ Model _____ Version _____

Communication Type ☐ CCN ☐ BACnet MS/TP ☐ BACnet IP ☐ _____

Communication Details

_____

_____

_____

_____

_____

_____

_____

APPENDIX D — UNIT COMMUNICATION REPORT

UNIT INFORMATION

Model Number _____ Serial Number _____

Unit Tag/Name _____ Unit Location _____

CCN Communication

NAME	CONFIGURATION
Primary BAS Network	CCN
CCN Address	
CCN Bus	
Baud Rate	
Broadcast Alerts	On / Off
Schedule Number	
Global Schedule Broadcast	
Broadcast ACK	On / Off
Time Broadcast	On / Off

BACnet MS/TP Communication

NAME	CONFIGURATION
Primary BAS Network	BACnet
BACnet Enable	MS/TP
Serial Port Config	MS/TP
Metric Units	On / Off
Network	
Identifier	
Percentage Conversion	0.00-1.00 / 0-100%

BACnet IP Communication

NAME	CONFIGURATION
Gateway 2 IP	
Gateway 2 Mask	
Set IP	
Set Net Mask	
Primary BAS Network	BACnet
BACnet Enable	BACnet IP
Metric Units	On / Off
Percentage Conversion	0.00-1.00 / 0-100%
Ethernet Adapter	Eth0 / Eth 1
UDP Port	
BACnet Mgmt Device	None / Foreign Device / BBMD
BBMD Address	
BBMD Time to Live	
MAC Address	

Manufacturer reserves the right to discontinue, or change at any time, specifications or designs without notice and without incurring obligations.

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