





Product Bulletin

North America Residential Light Commercial Systems

Date	Subject	Department
7/24/2023	New Carrier VRF BACNet Interface	Ductless & VRF
Bulletin Number	Product Model Number(s)	Author Name/Phone/Email
VRF-23-002	40VM900052A	Steven Hunt steven.hunt2@carrier.com

New Carrier VRF BACnet Interface

We are pleased to announce the release of the new Carrier VRF BACnet Interface. The new BACnet Interface has a new aesthetically update design and equivalent functionality as the preceding model.

	Phasing Out	Phasing In
Model No.	40VM900052	40VM90052A
Image		
Voltage	24VAC	24 VAC
Dimensions (W x H x D)	4 5/8 x 7 1/2 x 2 5/8	12 1/2 x 9 7/8 x 2 1/2
Weight (lbs.)	1.8	5.6
No. of Connectable Indoor Units	128	128
ETL Certified	Yes	Yes



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Indoor Unit Objects

There are 36 BACnet objects for each indoor unit for the BACnet building system to control.

Table 4—Indoor Unit Objects

NAME	INSTANCE NUMBERS	DESCRIPTIONS
IDU_AI_RoomTemp	AI 1	Room temperature status
IDU_AI_SetTemp	AI 2	Setting temperature status
IDU_AI_DualPointCoolingStatus	AI 3	Dual point cooling status
IDU_AI_DualPointHeatingStatus	AI 4	Dual point heating status
IDU_AI_CoolTempLimitStatus	AI 5	Cooling temperature limit status
IDU_AI_HeatTempLimitStatus	AI 6	Heating temperature limit status
IDU_AI_MalfunctionCode	AI 7	Malfunction code
IDU_AI_OutletAirTemp (IDU_AI_T2Temp)	AI 8	Outlet air temperature or T2 temperature
IDU_BI_OnOffStatus	BI 1	On/Off status
IDU_BI_Alarm	BI 2	Alarm identification
IDU_BI_VaneHorizontalStatus	BI 3	Vane horizontal status
IDU_BI_VaneVerticalStatus	BI 4	Vane vertical status
IDU_BI_RCLockStatus	BI 5	RC lock status
IDU_BI_ControllerLockStatus	BI 6	Controller lock status
IDU_BI_SwingLockStatus	BI 7	Swing lock status
IDU_MI_ModeStatus	MI 1	Mode status
IDU_MI_FanSpeedStatus	MI 2	Fan speed status
IDU_MI_ModeLimitStatus	MI 3	Mode lock status
IDU_MI_OnOffLimitStatus	MI 4	On/Off lock status
IDU_MI_FanLockStatus	MI 5	Fan lock status
IDU_A0_TempSetting	A0 1	Setting temperature
IDU_A0_DualPointCoolingSetting	A0 2	Dual point cooling setting
IDU_A0_DualPointHeatingSetting	A0 3	Dual point heating setting
IDU_A0_CoolTempLimitSetting	A0 4	Cooling temperature limit
IDU_A0_HeatTempLimitSetting	A0 5	Heating temperature limit
IDU_B0_OnOffSetting	B0 1	On/Off setting
IDU_B0_VaneHorizontalSetting	B0 2	Vane horizontal setting
IDU_B0_VaneVerticalSetting	B0 3	Vane vertical setting
IDU_B0_RCLockSetting	B0 4	RC lock setting
IDU_B0_ControllerLockSetting	B0 5	Controller lock setting
IDU_B0_SwingLockSetting	B0 6	Swing lock setting
IDU_M0_ModeSetting	M0 1	Mode setting
IDU_M0_FanSpeedSetting	M0 2	Fan speed setting
IDU_M0_ModeLimitSetting	M0 3	Mode lock setting
IDU_M0_OnOffLimitSetting	M0 4	On/Off lock setting
IDU_M0_FanLockSetting	M0 5	Fan lock setting

The Carrier BACnet interface is currently available for sale and has been added to the VRoom software. Documentation for the BACnet interface is available on HVAC Partners.

For questions contact your regional VRF Sales Manager. For additional product information please visit HVAC Partners or email VRFApplications@carrier.com.