ICP COMMERCIAL™

TSTAT0101SC

Product Specifications

Color Touch-screen Communicating Wall Control

EASIER TO INSTALL

- 4-wire installation from each compatible component in the system
- Communication with all compatible components in the system
- Self configuration with all compatible components in the system
- Option to use NAXA00101DB Daughter Board for connection with non-communicating system components
- 4 stages Heat, 2 stages Cool
- True Dual Fuel compatible
- Full humidity control
- Outdoor temperature automatically received from compatible outdoor component, or use accessory OD temp sensor with non-communicating equipment
- Full QWERTY keyboard for data entry
- Selectable brand logo (or no logo)

EASIER TO SERVICE

- Non-volatile memory (except clock) holds program settings indefinitely without power
- Text based diagnostics viewable on screen
- Up to last 10 diagnostic fault messages viewable on screen
- Enter dealer name and contact info for display during a fault

EASIER TO SELL

- High definition full color touch-screen display
- Simplified programming with options for 4 daily periods during individual days, all days same, or weekday/weekend schedule
- Multiple hold options, including indefinite hold and timed override hold
- Selectable constant fan speed option – Low, Medium, High (with compatible indoor equipment)
- Screen cleaning function (disables touch-screen for 30 seconds)
- Adjustable/resettable filter and service reminders
- Touch-screen lockout option

Physical Characteristics	
Dimensions H x W x D inch (mm)	3.9 x 5.2 x .97 (99 x 132 x 25) See drawing on page 2
Appearance	Plastic, white color, textured
Electrical Characteristics / Communication	
Input Volts/Amps	24VAC, 500ma minimum

Each device in the Observer Communicating System has a four-pin connector labeled DX+, DX- R C. It is recommended that the following color code be used when wiring each device:
  DX+ = Green = Data A
  DX- = Yellow = Data B
  C = White = 24VAC (Com)
  R = Red = 24VAC (Hot)	

Environmental Requirements	
Operating Temp./ Relative Humidity	Wall Control and all sensors: 32°F to 104°F / 0°C to 40°C, 95% rh non-condensing
Storage Temp./ Relative Humidity	Wall Control: -40°F to 134°F / -40°C to 57°C, 95% rh non-condensing
Setpoint Specifications	Temperature set point range: 40°F to 90°F / 4°C to 32°C
Wiring Requirements	
Power Supply	Dedicated 24VAC, 40 va, 50/60 Hz, via indoor equipment DX+ DX- C R Connector. Isolated transformer, field supplied.
Wiring Material	Standard thermostat wire 18 to 24 gauge.

ACCESSORIES

Part Number	Description
NAXA00101DB	Daughter board for use with non–communicating equipment. Converts 4–wire signal to conventional multi–wire signals (Y1, Y2, W1, W2, G, O)
TSTATXXSEN01B	Outdoor Temperature Sensor, use with non-communicating equipment (communicating outdoor equipment factory equipped with OD temp sensor)
TXMBP01	Backplate, medium size. Covers wall spots left when replacing larger thermostats
SYSTXGRPLG10	Communicating Plug, 4-wire (DX+, DX-, C, R). Matches connector on control board of communicating indoor and outdoor equipment, 10 pack
SYSTXIIRRS01	Remote Room Sensor (not required), requires 2-wire stat cable, use 1 or 2 with Observer control for optional remote temperature sensing (temperatures averaged)

DIMENSIONS

3.90

5.20

0.97

Specifications subject to change without notice.

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