

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 |

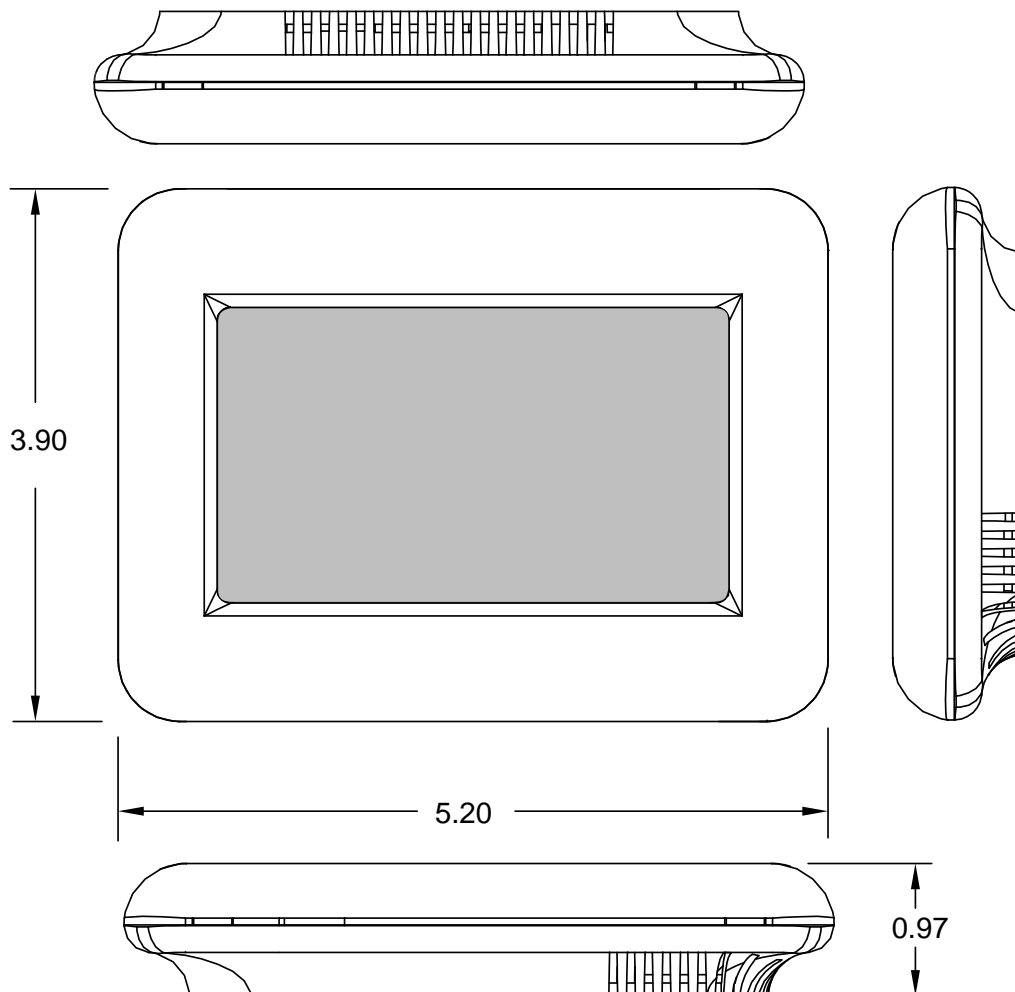
Wiring Requirements

| | |
|-----------------|---|
| 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



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