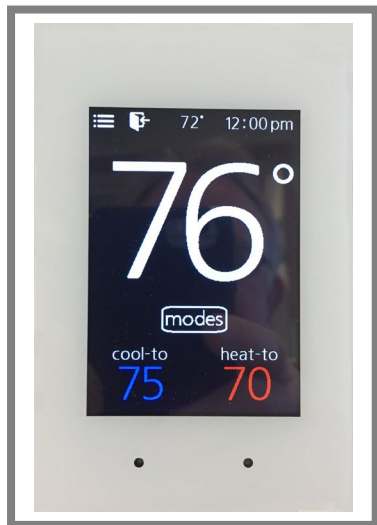


SATouchX PROGRAMMABLE COMMUNICATING THERMOSTAT



SUBMITTAL



SATouchX **Controls Stand Alone units** **Programmable Communicating** **Gas/Electric / Heat Pump Thermostat**

DESCRIPTION

The Zonex Systems **SATouchX** is a microprocessor based, auto changeover, touch screen programmable communicating standalone thermostat. The universal standalone communicating thermostat operates and communicates with our remote based App from a Wi-Fi mobile device, with the GEN X, GEN V, GEN XV and GEN UC systems.

The SATouchX is quite easy to configure for Gas/ Elec (2-stage Cool / Heat) or Heat Pump (2-stage Cool / 3-stage Heat) configuration. The SATouchX is hard wired to the unit and communicates back to the control board via the RS- 485 communication link.

The SATouchX is equipped with a 24v occupied output signal to the economizer when the SATouchX is in occupied operation.

The SATouchX thermostat features an onboard thermistor for precise temperature measurement. In the event of power loss, the Heat and Cool set points are stored in a non-volatile memory, without the need for battery backup.

The ambient space temperature is continually displayed with large, easy-to-read numbers. The temperature display range is 45° to 95° F. FAN mode, Heat or Cool set points and operation modes are all indicated on the display.

Programmed set points can be manually adjusted at the thermostat or electronically locked and controlled through a mobile device, to provide limited manual set point adjustment. There is a 2-8 hour override, provided for after hour's operation.

TECHNICAL DATA

Electrical:

Supply Voltage: 24VAC
Power consumption: 5VA

Input:

- 24VAC
- Humidity/Temperature (0-100% RH) +/-2% RH and +/-0.2 °C

Output:

- 1 x 24VAC Bistable Relay
- 6 x 24VAC @ 2A Relay's

Communication: RS-485 – Zonex 3 Wire Twisted pair

Environmental:

Operating Temperature: 35° to 130° F (2° to 54° C)
Operating Humidity: 5 to 95% non-condensing
Storage Temperature: 0° to 150° (-18° to 66° C)

General:

Dimensions: 4 1/2" H x 3" W x 3/4" D
Temperature Display Range: 55° to 95° F
Accuracy: +/- 0.8° F
Memory: Non-volatile EEPROM
Display: 320x480 3.5 TFT
Viewing Angle: 140°

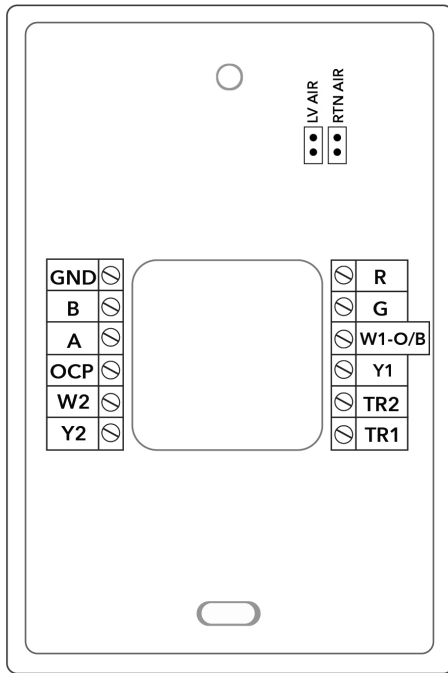
Notes:

*Compatible with GEN X, GEN XV, and GEN UC

Rev 9/17/20

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TERMINAL FUNCTIONS



Unit Terminal Block

Y1 - First stage cool
Y2 - Second stage cool
W1 / O/B - First stage heat or Reversing Valve
W2 - Second stage heat
G - Fan
R- 24v from the unit
OCP – 24v output when in occupied mode

24v from Independent Transformer

TR1 - 24vac power input - In and Out
TR2 - 24vac power common - In and Out
Use 18 ga. Minimum wire size

Communication Terminal Block

A - Data Transmit - In and Out
B - Data Receive - In and Out
GND - Ground Wire - In and Out
Use Zonex 3 Wire Twisted Pair

Supply and Return Air Terminals

RTN- Return Air
LV- Supply Air

FEATURES

- Full Color Touch Screen Display
- Gas /Elect (2C/2H) or Heat Pump (2C/3H) standalone control
- Emergency Heat operation
- Auto Changeover 7-day Programmable
- Attractive design
- Accurate temperature control
- Electronic Lock feature
- Supply and Return Air monitoring
- Relative Humidity reporting
- Configurable fan operation for Occupied mode
- F° or C° Temperature Operation
- Auto / Heat only / Cool only / Off operation
- Non-volatile memory: Retains temperature set points, time, date, and schedules
- RS-485 communication
- Temperature Calibration
- Communicates with GEN X mobile App
- 24v occupied output signal to RTU for economizer operation