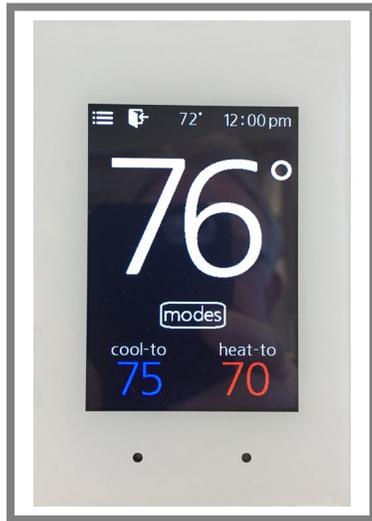


SATouchX PROGRAMMABLE COMMUNICATING THERMOSTAT



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 GEN X, GEN XV and GEN UC systems with our remote based App from a Wi-Fi mobile device and through the HUB stat for the GEN V system.

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. The SATouchX comes with a Supply and Return air sensor to monitor the air temperature.

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 2 wire twisted pair plenum rated wire

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°
Included Accessories: Supply and Return Air Sensors

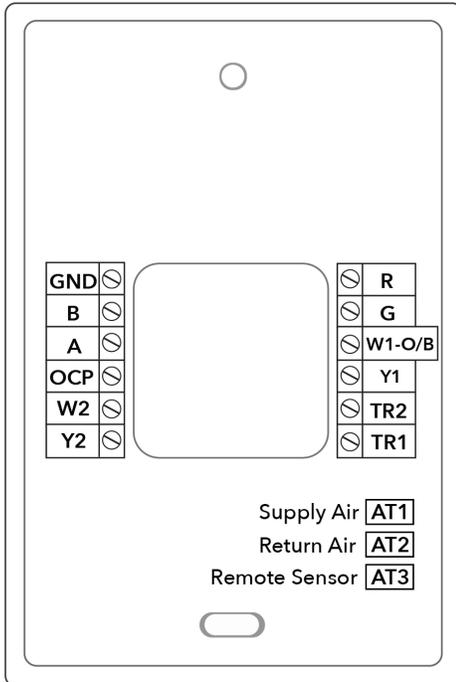
Notes:

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

Rev 7/21/21

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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 – Not Used
Use Zonex 2 Wire Twisted Pair

Supply, Return Air and Remote sensor plugs

AT1 - Supply Air sensor harness plug
AT2 - Return Air sensor harness plug
AT3 - Remote Sensor harness plug

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
- Optional Remote Sensor operation
- 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

ACCESSORIES

<u>Part No.</u>	<u>Description</u>
SATouchXRS	SATouchX thermostat with Remote Sensor
WPLT	Wall Plate