

WIRELESS PROGRAMMABLE THERMOSTAT



SUBMITTAL



Wireless Communicating / Modulating Zone Thermostat Part #WSTAT

DESCRIPTION

The **WSTAT** wireless thermostat is a microprocessor based, auto changeover, programmable communicating zone thermostat. The zone thermostat controls modulating round or rectangular commercial modulating dampers. The communicating zone thermostat is used with the *GEN III-VVT* zoning system.

The wireless zone thermostats controls and modulates zone dampers based on variance from set point to a position that will match the supply load to the demand requirement. When the HVAC unit is running, if a zone thermostat is not calling or is calling for the opposite mode, its corresponding damper fully closes. When the HVAC unit is not running, the thermostats open to the Vent mode to provide ventilation, if the indoor blower fan is running continuously.

All zone thermostats are synched with its respective modulating zone damper, which is equipped with antenna and communicating damper board. One zone thermostat in the system is enabled as the Monitor thermostat and synched with the **GEN III** controller to interact and initiate control decisions for the system, the Monitor coordinates global or individual schedules for the system, lock thermostats individually and provide minimal local adjustment, establish master temperature settings individually or globally for the system, and provide diagnostic functions to streamline system troubleshooting. Air balance shortcuts, along with password protection, are also enabled at the Monitor thermostat. Sleep and energy saving modes are available to extend battery life and enhance operation.

TECHNICAL DATA

Electrical:

Supply Voltage: Two AA Batteries

Inputs:

- Thermistor

Communication: MiWi wireless protocol

Environmental:

Operating Temperature: 30° to 140° F (-1° to 60° C)

Operating Humidity: 5 to 95% non-condensing

Storage Temperature: 0° to 150° (-18° to 66° C)

General:

Dimensions: 3 1/2" H x 4 1/2" W x 3/4" D

Temperature Display Range: 55° to 95° F

Accuracy: +/- 0.8° F

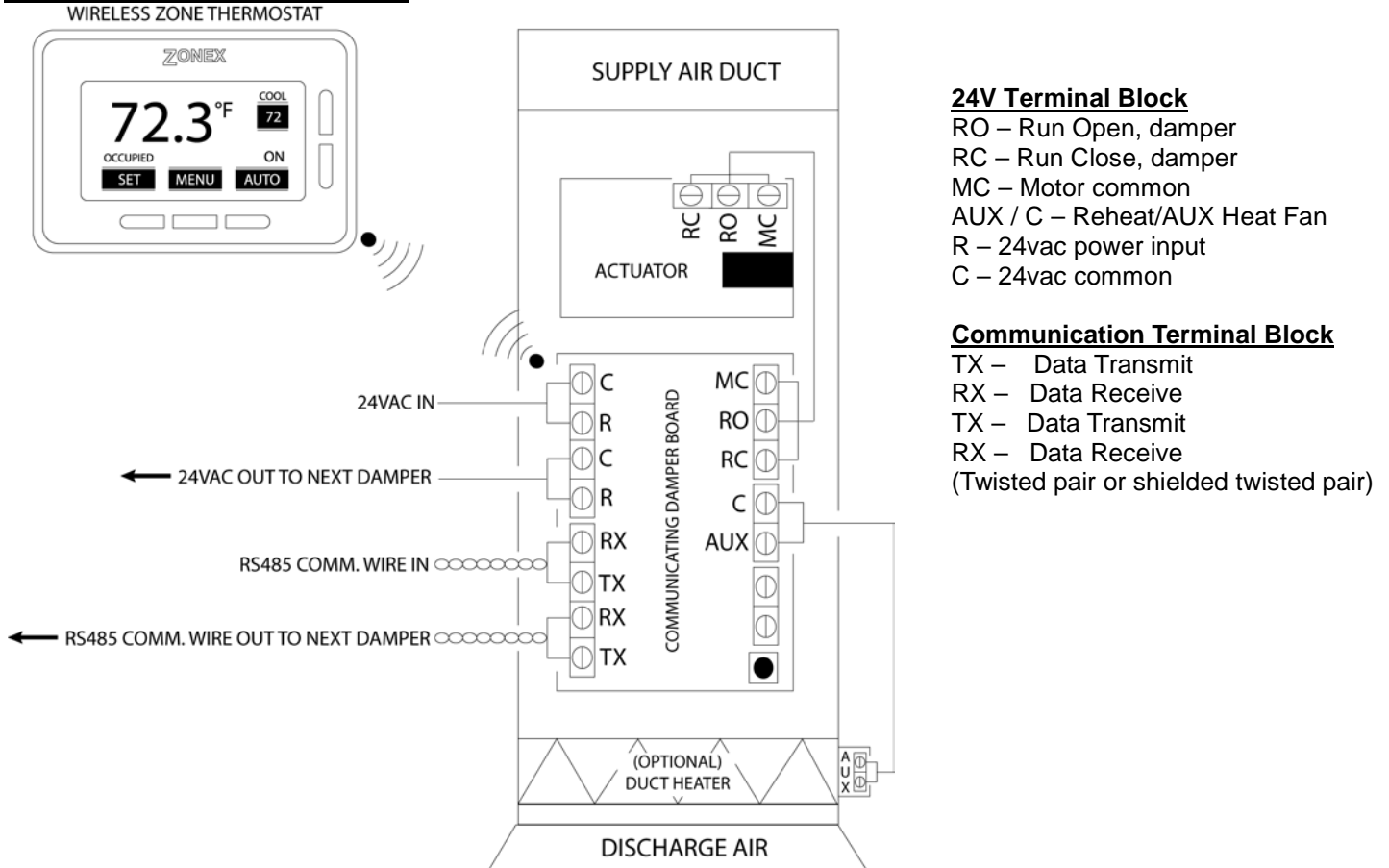
Memory: Non-volatile EEPROM

Display: 128x64 Graphic LCD

Rev 9/18/15

WIRELESS PROGRAMMABLE THERMOSTAT – PART #WSTAT

TERMINAL FUNCTIONS



FEATURES

- Auto Changeover 7-day Programmable
- Control Fully Modulating Dampers
- Adjustable Aux or Reheat Operation
- F or C Temperature Operation
- Wireless Access
- Control round, rectangular dampers or D-Fuser
- Review function of all system operations
- Set point lock
- Auto / off switch
- Non volatile memory retains stored Set points, time, date, and schedules
- Slave capability – up to 3 dampers per stat
- Minimum or Maximum position adjustment

ACCESSORIES

<u>Part No.</u>	<u>Description</u>
WRZKIT	RetroZone Kit, Includes Wireless Zone Stats, Actuator and Communicating Damper Board
WGBRD	Replacement Damper Board to interface with wireless thermostats
WRS	Remote Sensor