



SUBMITTAL



RZKITX Retrofit Actuator and Communicating / Modulating Zone Thermostat

DESCRIPTION

The RZKITX includes a **ZSTAT** communicating modulating thermostat and a **101AHDM** replacement actuator motor.

The Zonex Systems **ZSTAT** thermostat is a microprocessor based, auto changeover, communicating zone thermostat. The ZSTAT controls modulating medium pressure and heavy duty dampers. The ZSTAT communicating zone thermostat is used with the GEN X WI-FI app base zoning system.

The Zonex Systems **101AHDM** is used on Zonex Systems medium pressure and heavy duty dampers. It can also be used to retrofit generic VAV boxes and dampers, which use 1/4" to 5/8" x 2" shafts, to Zonex control systems. The 101AHDM is compatible with all Zonex control systems for specified 2-position and modulating applications. *For further information, see Installation Instructions for the specific Zonex control system application, or contact Zonex Systems Technical Support.*

The RZKITX provides a simple, low cost solution allowing the contractor to utilize existing dampers and much of the existing controls wiring in the retrofitting of existing VVT or older controls systems.

For further information, refer to the submittal for the individual component: ZSTAT and 101AHDM.

Technical data for the ZSTAT and 101AHDM can be found on Page 2 of this document.

TECHNICAL DATA

101AHDM

General Specifications:

- Power Open / Power close - Floating
- Rotation - 95° max. Mechanical open/close stops
- Manual drive release button
- 95 second full stroke
- Torque – 45 in-lb
- Housing – NEMA1
- 3-wire screw terminal block
- Reversible direction switch
- Weight – 1.1 lbs

Electrical:

Supply Voltage: 24vac +/- 10% 50/60 Hz

Power consumption: 2 VA maximum (1.5 watt)

Wire Size: 18 ga. min. Solid

Environmental:

Ambient Temperature: -22° to 122°F (-30°C to +50°C)

Operating humidity: 5 to 95% non-condensing

Storage temperature: -40°F to 176° F (-40°C to 66°C)

ZSTAT

Electrical:

Supply voltage: 24vac

Power consumption: 2 va maximum

Input:

- 24vac
- Platinum Thermistor

Outputs:

- RO RC Triacs - 24vac @ .3 amp max
- W1 Relay - 24vac @ 1.0 amp maximum

Communication: RS485

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: 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 1/26/18