



SUBMITTAL



RZKITV *Retrofit Actuator and Communicating / Modulating Color Touch Screen Zone Thermostat*

DESCRIPTION

The RZKITV includes an **EzTouchV** communicating HUB thermostat and a **101AHDM** replacement actuator motor.

The **EzTouchV** is the central HUB for configuring the GEN V controller and each zone thermostat in the system. The HUB also operates as a zone stat and controls its respective damper. The EzTouchV controls modulating medium pressure and heavy-duty dampers. The EzTouchV communicating HUB thermostat is used with the GEN V 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 RZKITV 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: EzTouchV and 101AHDM.

Technical data for the EzTouchV 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)

EzTouchV

Electrical:

Supply voltage: 24vac

Power consumption: 5 VA maximum

Input:

- 24vac

Outputs:

- RO RC Triacs - 24vac @ .3 amp max
- AUX Heat Relay - 24vac @ 10 amp maximum

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°

Communication: RS485 using Zonex 3 wire twisted pair

Rev 11/3/20