



## SUBMITTAL



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

### DESCRIPTION

The RZKIT includes an **EzTouch** communicating modulating thermostat and a **101AHDM** replacement actuator motor.

The Zonex Systems **EzTouch** thermostat is a microprocessor based, auto changeover, communicating zone thermostat. The EzTouch controls modulating medium pressure and heavy-duty dampers. The EzTouch communicating zone thermostat is used with the *GEN II* 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 RZKIT 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: EzTouch and 101AHDM.

Technical data for the EzTouch 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)

### EzTouch

#### **Electrical:**

**Supply voltage:** 24vac

**Power consumption:** 5va 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

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