

ZONE CONTROL ACTUATOR AND THERMOSTAT FOR USE ON RUSKIN MODELS ZCDVAV and ZCDRVAV

APPLICATION

Ruskin Zone Control models ZCDVAV and ZCDRVAV come with a factory installed modulating actuator, duct change over sensor, and compatible wall mount thermostat. Refer to the ZCDVAV and ZCDRVAV Product Data sheets for specific application of these dampers.

ML7161A2008 STANDARD FEATURES

TORQUE

35 lb-in.

RUNNING TIME

90 sec.

CONTROL INPUT

2 to 10 Vdc (4-20 mA w/400 ohm resistor)

ANGLE OF ROTATION

90°

POSITION INDICATOR

Visual indicator

MANUAL OVERRIDE

Declutch mechanism

DIMENSIONS

5.55"h (141) x 3.39"w (86) x 3.0" (76) deep

HOUSING

Steel plate and Plenum rated plastic

POWER SUPPLY

24 Vac ±20%

ELECTRICAL CONNECTIONS

Screw terminals

TEMPERATURE RANGE

Ambient 20°F to 125°C (-18°C to +50°C)

TB7980A1006 STANDARD FEATURES

DESCRIPTION

Modulating (0-10Vdc) control

OUTPUT SIGNAL

2-10 Vdc or 2-10 VAC

SETPOINT TEMPERATURE RANGE (F)

50°F to 95°F

SETPOINT TEMPERATURE RANGE (C)

10°C to 35°C

MOUNTING

Wall mount

DIMENSIONS2⁵/₈"w (69) x 4⁹/₁₆"h (118) x 1" (27) deep**FREQUENCY**

60 Hz

POWER SUPPLY

24 Vac

OUTPUT SIGNAL BURDEN

0-10V, 10k min

NOTE:

Dimensions shown in parentheses () indicate millimeters.



MODEL: ML7161A
USED ON MODELS ZCDVAV AND ZCDRVAV

ACTUATOR FEATURES

- Superior A/C synchronous submotor for consistent timing and actuator longevity
- Eliminates need for limit switches or mechanical stops by providing magnetic coupling
- Manual declutch lever and bag assembly with two minimum position setscrews
- Mounts directly on 3/8" (10) or 1/2" (13) square or round damper shaft
- Selectable 45°, 60° and 90° stroke in either clockwise or counter-clockwise direction

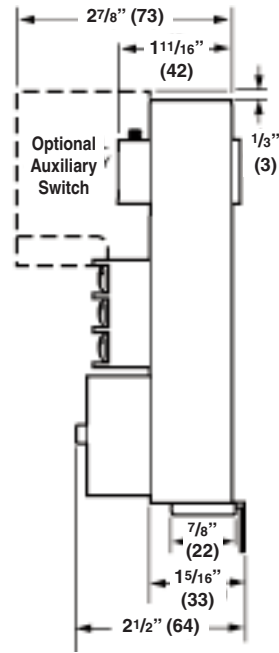
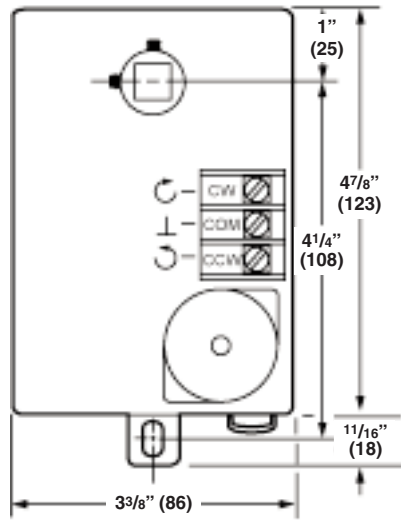


MODEL: TB7980A
USED ON MODELS ZCDVAV AND ZCDRVAV

THERMOSTAT FEATURES

- Provides modulating (2 to 10 vdc analog) control
- Provides 2 additional outputs
- Provides max. and min. setpoints for heating and cooling
- Provides a night setback (NSB) terminal for energy savings

DIMENSIONAL DETAILS



WIRING DIAGRAM

