VDM60-LO HVAC Damper Actuator

SPECIFICATION SHEET & INSTALLATION GUIDE

Model: VDM60-LO
Power Open (Terminal 4): CCW Green Light

Key Features
Quality and commercial grade, high-torque (13 in-lb), low power consumption (under 2W). Long cycle life, easy installation.

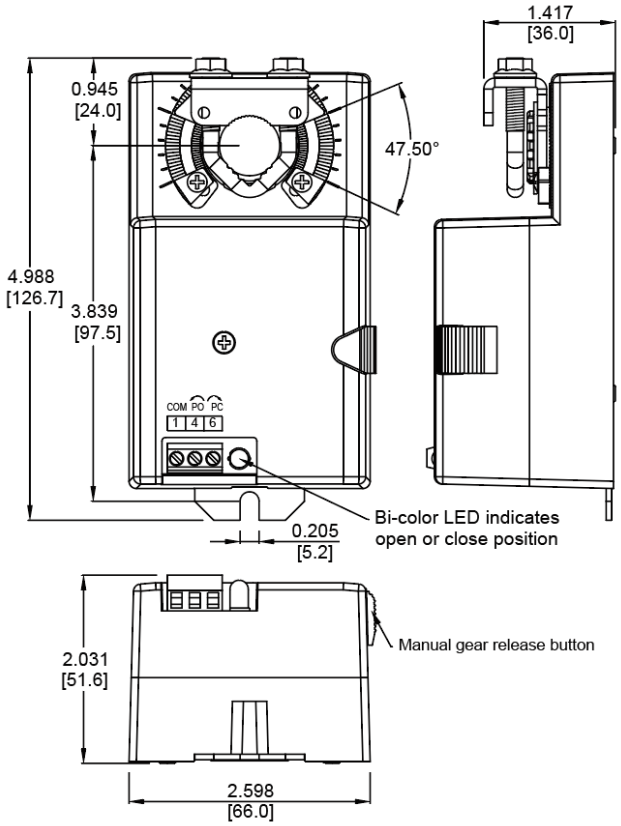
Application
The VDM60 Series are typically used to control two-position zone systems, or commercial / residential HVAC dampers. They are designed for use with on/off or floating-point thermostats, controllers, or building automation systems.

Highlights
- Compact: smallest profile on the market of similar torque.
- Bi-color LED status indication: Green/Red for open/close positions.
- Adjustable stop at both open and close ends.
- Manual gear release button simplifies actuator setup.
- Terminal block makes wiring easy in the field.
- Economic solution to large-torque needs, interchangeable with common installations.
- Over 250K cycles of flawless operation.

Specifications

Model: VDM60-LO
Power Open (Terminal 4): CCW Green Light
Power: 24 VAC, 50/60 Hz, 2 VA Class 2
Control: On/Off or Floating
Angle of Rotation: 0 to 95°, adjustable
Torque and Speed: 13 in-lb (1.5 N.m), 30-40 sec for 95°
Coupling: Round shaft: 1/4 to 5/8 inch (6 to 16 mm) Square shaft: 1/4 to 7/16 inch (6 to 11 mm) Shaft length: 1.5 inches (38 mm) Min
Electric Connection: Wires 14 to 22 AWG
Dimensions: 5 x 2.6 x 2 inches (127 x 66 x 51 mm)
Weight: 0.75 lb. (0.34 kg)
Enclosure: Flame-retardant plastic
Noise Level: < 35 dB at 1 meter
Operating Environment: -4 to 140°F (-20 to 60°C)
Shipping Environment: -22 to 176°F (-30 to 80°C)

Dimensions inch [mm]



INSTALLATION
1. Insert the VDM60 on to the drive shaft of the damper.
2. Tighten and/or install anti-rotational fastener.
3. Press the Manual Gear Release Button and rotate the U-shaped bolt clockwise to full closed position.
4. Rotate damper blade(s) to full closed position.
5. Ensuring that both items are in full closed position, tighten the U-shaped bolt on to drive shaft.
6. Install low voltage wires to the terminal block.

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