



VDM10 & VDM10B HVAC Damper Actuators

SPECIFICATION & INSTALLATION INSTRUCTIONS

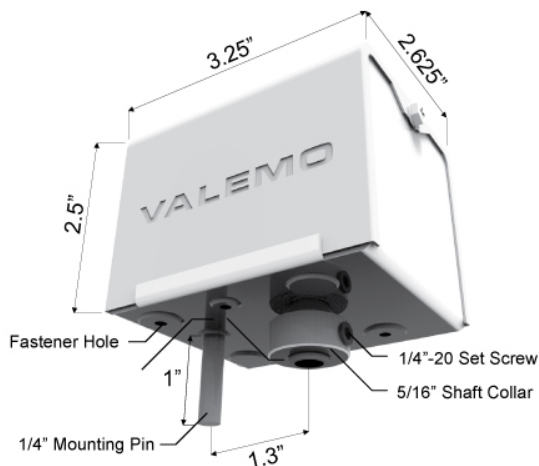
The Valemo VDM10 and VDM10B Spring Return Damper Actuators are designed to be used as replacements for Honeywell's M847D, M847D1004 & similar HVAC damper actuators.

Please be sure to review these specifications and dimensions carefully, to ensure proper fit and function for your installation.

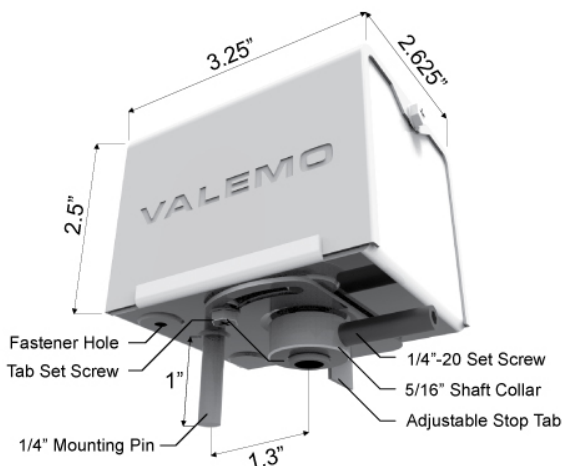
SPECIFICATIONS

- **Power Supply:** 24 VAC, 50/60 Hz, 6W, 0.36A
- **Control & Speed:** Full 90° travel in 30 sec. Spring return in 7 sec.
- **Rotation:** 0-90 degrees. VDM10B allows for adjustable stop.
- **Opening/Closing Force:** 0.22 N.m (2 Lb-In)
- **Installation:** Direct coupling to 5/16" damper shaft, works well on both NO and NC dampers.

VDM10 DIMENSIONS



VDM10B DIMENSIONS



INSTALLATION

CAUTION: Disconnect power supply before connecting wiring to prevent electrical shock or equipment damage.

1. Ensure damper shaft is in proper initial location:
 - **Normally Open:** Be sure damper is in the open position.
 - **Normally Closed:** Be sure damper is in the closed position.
2. Loosen (but don't remove) the set screw on the collar.
 - 1/8" Allen wrench required.
3. Place the actuator on to the damper shaft while inserting the mounting pin into the mounting hole.
 - TIP: If the damper shaft is a tight fit, use a bit of sand paper to polish the shaft, which should then allow it to slide right in.
4. Ensure again that the damper and shaft are in the intended starting orientation, then secure the shaft to the actuator by tightening the set screw on the collar.
5. Attach the wire leads to the power supply. Note that these are AC motors, and wiring polarity does not matter. Orange and yellow leads are provided simply to match original parts.

ADJUSTABLE STOP TAB (VDM10B model only)

The VDM10B includes an additional Adjustable Stop Tab which can be set to limit the rotation of the powered operation. The Stop Tab does this by limiting the rotation of the set screw attached to the damper shaft. Typically used to allow air bleed in a normally open application, by limiting the closing rotation when powered.

1. Loosen Set Screw on Stop Tab.
2. Adjust the Stop Tab to be in desired location.
3. Tighten Set screw on Stop Tab.

