

Description and Application

The MEP-5223 and MEP-5233 are replacement damper actuators designed for residential dampers. The 24 VAC, tri-state, 10 inch-lbs., direct-coupled actuator provides smooth and quiet performance, with fast, **15-second** closings and openings.

These actuators are intended for **replacement on series B and C style residential dampers** only – not the A series dampers. The MEP-5223 is intended for replacement on **round** dampers with a fully closed blade angle of 45 degrees. The MEP-5233 is intended for replacement on **rectangular** dampers with a fully closed blade angle of 90 degrees.

Features

- ◆ Fast, 15-second closings and openings.
- ◆ Tri-state operation.
- ◆ Models for round (45°) and square (90°) dampers.
- ◆ 1/2" (12.7 mm) direct-coupled mounting for securing to damper blade shaft.
- ◆ Position indicator and angular rotation stop for viewing and setting minimum and maximum damper positions.
- ◆ Disengagement feature to manually position actuator and damper blade.
- ◆ Enclosure to protect wiring connections.
- ◆ Optional auxiliary switches and position feedback potentiometer.

Models

MEP-5223	45-degree, replaces:
	◆ Carrier DAMPACT45DEG
	◆ Carrier 33CC500621
	◆ KMC MEP-5203-30
MEP-5233	90-degree, replaces:
	◆ Carrier DAMPACT90DEG
	◆ Carrier 33CC500623
	◆ KMC MEP-5213-30
	◆ Johnson M9101-AGA-2N2



Accessories

Auxiliary Switches and Position Feedback:

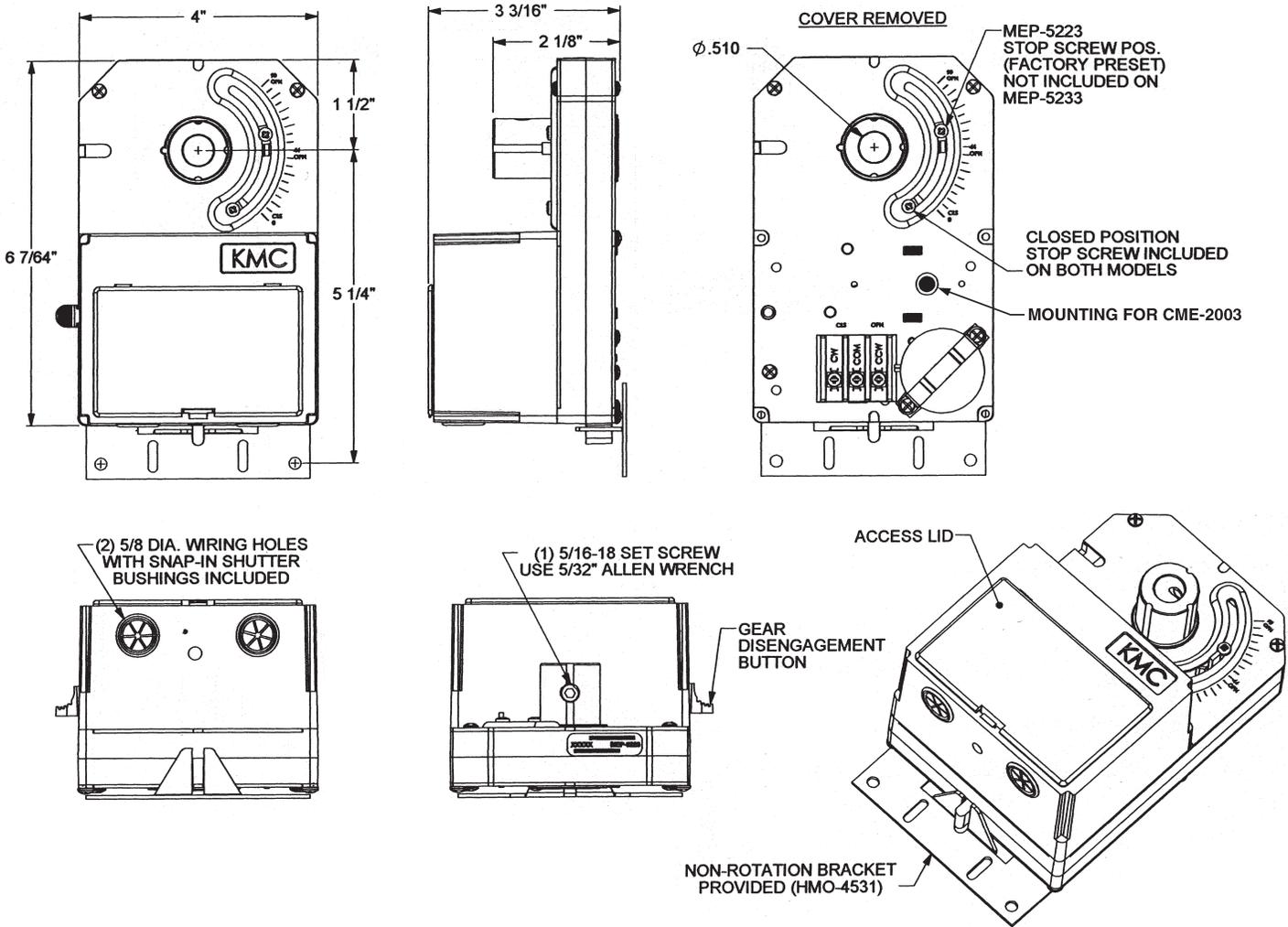
CME-1001	Single SPDT switch for MEP-5223
CME-1002	Single SPDT switch for MEP-5233
CME-1003	Dual SPDT switches for MEP-5223
CME-1004	Dual SPDT switches for MEP-5233
CME-2003	Position feedback potentiometer

Mounting Hardware and Outdoor Enclosure:

HCO-1151	12-7/16 x 7 x 3-1/4" weather enclosure
HFO-0011	3/8" shaft adapter
HMO-4518	Snap-in connector for 1/2" flexible metal conduit
HMO-4520	Compression connector for plenum cable
HMO-4526	Female connector for 1/2" conduit
HMO-4531	Replacement non-rotation bracket

Details

All dimensions are in inches.



Specifications

Control Input	24 VAC (+20%/–15%), tri-state
Supply Power	2 VA maximum
Motor Timing	
MEP-5223	15 seconds @ 60 Hz, 18 seconds @ 50 Hz
MEP-5233	15 seconds @ 60 Hz, 18 seconds @ 50 Hz

Angular Rotation

MEP-5223	45 degrees
MEP-5233	90 degrees

Min. Output Torque 10 in.-lbs. (1.1 N•m) running

Connections Plated screw terminals for 14–22 AWG copper

Enclosure Black, flame-retardant plastic

Weight 2 lbs. (0.9 kg)

Dimensions 6-7/64 H x 4 W x 3-3/16" D
(155 x 102 x 81 mm)

Temperature Limits

Operating	32 to 140° F (0 to 60° C)
Shipping	–40 to 150° F (–40 to 65° C)

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