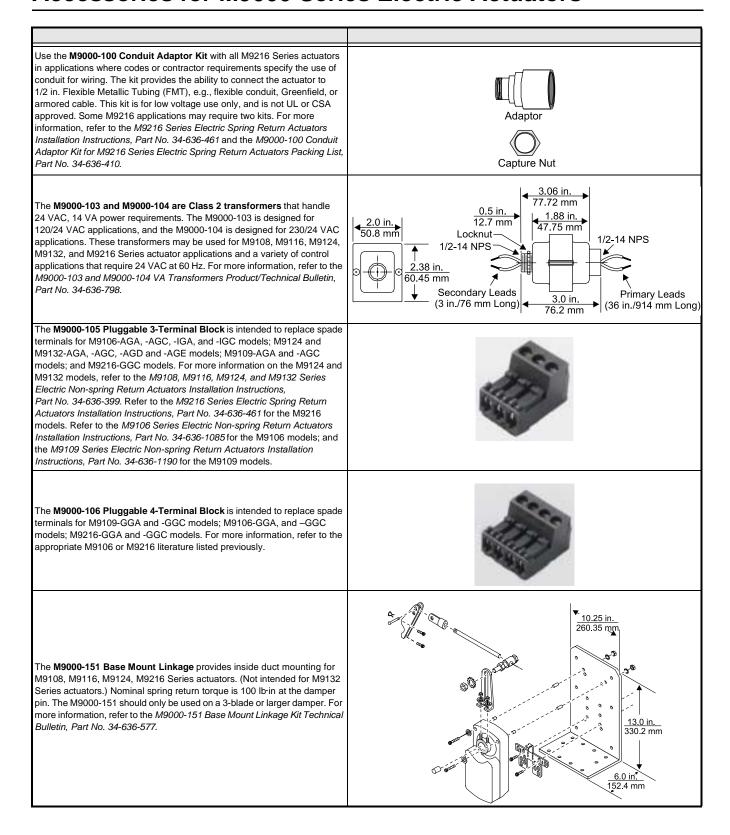


M9000-1xx

Accessories for M9000 Series Electric Actuators





Accessory Kits for M9000 Series Electric Actuators (Continued)

The M9000-153 Crank Arm Kit is included in the M9000-151 Base Mount Linkage Kit and may be ordered separately. It includes the crank arm and shaft clamp plug for remote mounting M9108, M9116, M9124, and M9216 Series actuators to a 3-blade or larger damper. (Not intended for M9132 Series actuators.) For more information, refer to the M9000-151 literature listed previously.	0.32 in. ↑ ↑
The M9000-154 1 in. Jackshaft Coupler Kit with a 1.05 in. (26.7 mm) maximum diameter is for use with the M9108, M9116, M9124, M9132, and M9216 Series actuators. This coupler is designed for use with 1 in. jackshafts only. For more information, refer to the M9000-154 1 in. Jackshaft Coupler Packing List, Part No. 34-636-720.	
The M9000-155 Manual Handle is used to position a damper or valve when power is removed from an M9108, M9116, M9124, or M9132 Series actuator by placing the handle over the u-bolt on the coupler of the actuator. For more information, refer to the appropriate literature listed previously.	
The M9000-156 Mounting Kit provides for remote mount, linkage driven application of the M9204 Series economizer damper actuator or the M9206 Series actuator. The M9000-156 is intended for retrofitting a number of Honeywell® economizer damper actuator installations with an M9204 or M9206 actuator, using the existing linkages. When mounted in the M9000-156, the M9204 or M9206 actuator can drive a blade, jackshaft, or crank arm. The M9000-156 may be mounted internally or externally on a duct, damper, or air handling unit. For more information, refer to the M9000-156 and M9000-165 Mounting Kit Installation Instructions, Part No. 34-1280-33.	
The M9000-157 Universal Mounting Kit provides for remote mount, linkage driven application of the M9204 Series economizer damper actuator or the M9206 Series actuator. When mounted in the M9000-157, the M9204 or M9206 actuator can drive a blade, jackshaft, or crank arm. The M9000-157 may be mounted internally or externally on a duct, damper or air handling unit. The M9000-157 is intended for a new or retrofit damper and actuator assembly. For more information, refer to the M9000-157 Universal Mounting Kit Installation Bulletin, Part No. 34-1280-76.	



Accessory Kits for M9000 Series Electric Actuators (Continued)

The M9206-600 Repair Kit includes a coupler, set screw, and locking clip for mounting an M9206 actuator to a 3/8 in. to 1/2 in. (10 to 13 mm) round damper shaft or a 3/8 in. (10 mm) square damper shaft. For more information, refer to the M9206 literature listed previously.

The **M9206-601 Repair Kit** includes a coupler, set screw, and locking clip for mounting an M9206 actuator to a 3/8 to 5/8 in. (10 to 16 mm) round damper shaft or a 3/8 to 9/16 in. (10 to 14 mm) square damper shaft. For more information, refer to the M9206 literature listed previously.

The M9206-602 Locking Clip (bag of five) is a replacement clip for the M9206 actuator coupler. For more information, refer to the M9206 literature listed previously.

The M9206-603 5-conductor 22 AWG Plenum Rated 3 ft (0.91 m)
Extension Cable is designed to connect a M9206-DNx Series Electric
Spring Return Economizer Damper Actuator with an AD-DME100-0 Direct
Mount Economizer controller. Note: Only use one cable per connection.
Do not attempt to extend cable length by connecting multiple cables.





M9000-300

Weather Shield Enclosure



M9000-300
Shown Mounted on a Control Damper

Description

The M9000-300 Weather Shield Enclosure is a cost effective and rugged weather shield designed to protect M9000 actuators in outdoor damper applications. The weather shield enclosure is designed to NEMA 4 specifications, and does not allow any moisture to penetrate the custom designed seals.

The weather shield cover is constructed of a sturdy ABS material injected with ultraviolet inhibitors, which prevents the cover from

becoming brittle or damaged by the sun or any other outdoor element. In addition, this translucent material allows the actuator to be fully viewable. It includes a gasket, damper bracket, anti-rotation bracket, anti-rotation pin, and a liquid tight conduit connector. The base is constructed of a durable nylon blend that provides flexibility and durability.

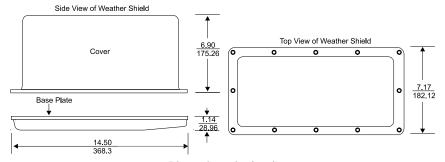
refer to the appropriate literature: M9108, M9116, M9124, and M9132 Series Electric Non-spring Return Actuators Installation Instructions, Part No. 34-636-399; M9109 Series Electric Non-spring Return Actuators Installation Instructions, Part No. 34-636-1190; M9216 Series Electric Spring Return Actuators Installation Instructions, Part No. 34-636-461; M9106-xGx-2 Series Electric Non-spring Return Actuators Installation Instructions, Part No. 34-636-1085; or the M9206 Series Electric Spring Return Actuators Installation Instructions,

For more information on the actuators,

Applications

Part No. 34-1280-9.

For more information. refer to the M9000-300 Weather Shield Enclosure Product/Technical Bulletin, LIT-10000055.



Dimensions, in. (mm)

Features

- durable construction provides protection for the actuator and is able to withstand outdoor elements
- cost effective method of enclosure allows a NEMA 2 instead of a NEMA 4 actuator to be used in outdoor applications
- easy installation makes previously installed actuators easy to enclose
- translucent ABS material allows the actuator to be viewable without disassembling the weather shield enclosure

To Order

To order a weather shield enclosure, contact the nearest Johnson Controls representative, and specify product code number **M9000-300**.

Accessories

Code Number	Description
M9000-301	Damper bracket (steel, zinc coated) measuring 14.00 x 0.75 x 0.08 in. (355.6 x 19.05 x 2.03 mm); Shipping weight: 3.1 lb (1.4 kg)
M9000-302	Standard Heater Kit measuring 2.0 x 1.0 x 0.5 in. (50.8 x 25.4 x 12.7 mm); 12 to 36 VAC/VDC, 10 W; Shipping weight: 1.40 lb (0.64 kg)
M9000-303	Tropical Heater Kit measuring 2.4 x 1.0 x 0.5 in. (61.0 x 25.4 x 12.7 mm); 12 to 36 VAC/VDC, 10 W; Shipping weight: 1.40 lb (0.64 kg)

Specifications

M9000-300 Weather Shield Enclosure		
Material	Top: ABS; Bottom: Nylon blend	
Enclosure	NEMA 24, IP55	
Dimensions	8.04 x 14.50 x 7.17 in.	
(H x W x D)	(204.2 x 368.3 x 182.1 mm)	
Shipping Weight	4.0 lb (1.8 kg)	



Hardware for Pneumatic Damper Actuators

Product	Code Number	Description and Use
1691	D-3073-101	Stop Screw Kit for D-4073 Actuator
	D-3153-104	Stop Screw Kit 1/4-20 x 3 in.
	D-3153-103 DMPR-KC102	Linkage Rod Replacement for D-3070, D-3073, D-3153, D-4070 or D-4073 Actuators 8 in., 5/16 in. dia 48 in., 5/16 in. dia
	D-3153-106	4 in. Auxiliary Mounting Bracket for D-3070, D-3073, D-3153, D-4070 or D-4074 Actuators
	DMPR-KC251	Universal Mounting Bracket for D-3070, D-3073, D-3153, D-4070, D-4073.
	D-3073-105 D-3153-110	Pivot Post Kit for D-4073 5/kit Pivot Post Kit for D-3153 and D-251 No.2, 5 per kit
	D-3153-111	E-Rings for Pivot Post 10/Kit
	D-3153-112	Mounting Nuts for Pivot Post 10/Kit
	D-9502-5 D-9502-8 D-9502-9 D-9502-5 ^(a) D-9502-12	Positioner Kit For Field Mounting on Damper Actuators. Kit includes: Positioner, Mounting Plate, Spring, and Mounting Hardware. Kit does not include Tubing. Kit for: No. 5 or D-3244 Actuator D-3153 Actuator D-3153 Two-Stage D-3246 D-3073, D-4073
	D-3000-1077 D-251-705	Connection Head, 5/16-30 Thd For upgrading No. 2 D-251 and D-3000 actuators to ball joint linkage. Connection Head, 3/8-20 Thd For upgrading No. 3 D-251to ball joint linkage.
	D-251-705 D-3000-1077	Connection Head, 3/8-20 thread, for upgrading D-251 No. 3 to Swivel Ball Joint Connection Head, 5/16 - 30 thread for upgrading D-251 and D-3000 to Swivel Ball Joint
Replacement Diaphrams for discontinued actuators	D-251-6000 D-251-6002 D-251-6003 D-251-6004 D-265-601 D-265-602	Diaphragm for No. 3, package of 25 Diaphragm for No. 2, package of 12 Diaphragm for No. 4, package of 12 Diaphragm for No. 6, package of 6 Spring for No. 3, package of 6 Spring for No. 4, package of 6
	DMPR-KC050 DMPR-KC051 DMPRKC053 DMPR-KC052 D-9999-152	Crank Arm: 7/16 in. shaft, radius adjustable to 2-3/4 in. Crank Arm: 3/8 in. shaft, radius adjustable to 2-3/4 in. Crank Arm: 1/2 in. shaft, radius adjustable to 2-3/4 in. Crank Arm: 1/2 in. shaft, radius adjustable to 1-11/16 in. Clevis Pin Kit, 10 per kit
	D-9999-153	Twist Lock Clip Kit, 100 per kit

(a) Also order spring number D-9502-612 and Pilot Spring Bracket number D-9502-100.