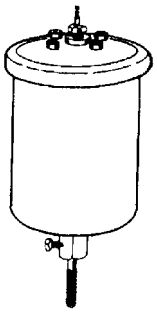
## Pneumatic Piston Damper Actuator

JOHNSON CONTROLS



*Accurately position small dampers on variable air volume (VAV) boxes and terminal units
*Also for use on other air flow control dampers in interiors with a maximum area of 4 sq. ft.
*Actuator housing allows flexible front or rear mounting
*Tubular shaft accepts telescoping rods or push-pull ball joint linkage
*Air connection: 1/8" NPT straight barb for 5/32" or 1/4" O.D. poly tubing
*Spring range: 8 to 13 PSIG
*Maximum actuator force (lb.) @ 8-13 PSIG: 46.2 power stroke, 33 return stroke

| Part# | |
|---|---|
| D-3062-3 | Damper Actuator |
| D-3062-100 | Universal Mounting Kit for type W (N.O. or N.C.) and type F (N.C. only). Can be mounted inside or outside the duct for use with D-1300 series dampers |
| **Accessories** | |
| D-3062-101 | Auxiliary Mounting kit for swivel mounting |
| D-3062-102 | Small damper mounting kit for limited space requirements, mounting replaces #2D-251 |
| D-3062-103 | Unit vent mounting kit, direct replacement for J.C. D-300/Robertshaw M953 Series, Krueter MCP8030, Barber Colman MK693 |

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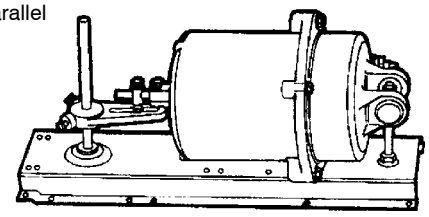

*Multipurpose positioning device that operates ventilating dampers in response to output signals of a pneumatic controller
*Two way swivel connection on cylinder head insures nonbinding movement
*Telescoping piston rod allows easy linkage to damper attachment points up to 8 3/4" away from actuator face
*Includes swivel ball joint and slotted crank arm connector for optional damper linkage methods
*Provides two positions on pivot post allowing direct actuation force on linkage not perpendicular or parallel to actuator mounting plane
*Air connection: barb for 5/32" or 1/4" O.D. poly tubing
*Spring range: 8 to 13 PSIG
*Maximum actuator force (lb.) @ 8-13 PSIG: 105 power stroke, 120 return stroke
*D-3153-1 comes with D-9502-8 positioner kit to enable sequential or two stage actuator control (see D-9502-8)

| Part# | Description |
|---|---|
| D-3153-1 | Complete with D9502-8 positioner Kit |
| D-3153-2 | Piston Only |

## Positioner Kit

JOHNSON CONTROLS

*For use with D-3153-1/2 actuators
*Provides dynamic stabilization and /or sequential control
*Includes mounting bracket for direct attachment to actuator body
*Precision relay device to adjust and maintain pneumatic damper actuators in exact places

**Part#**
D-9502-8

## Motors & Actuators (Special Purpose)

Honeywell

### M436 DAMPER MOTORS

Spring-return motors for two position back draft, outdoor air changeover, zone, or minimum position damper control. Operate outdoor air dampers for combustion or[illegible] ate minimum position da[illegible] motors or to provide a[illegible] adjustable auxiliary swi[illegible] motor stalls.

Temperature Rating: Ambient 32°F to +125°F (0° to +52°C)

Electrical

| | | |
|---|---|---|
| One Contact[a] | 120Vac | 240Vac |
| Full Load | 7.2A | 3.6A |
| Locked Rotor | 43.2A | 21.6A |

[a] 40Va pilot duty, 120/240 Vac

| PART# | POWER SUPPLY | POWER W | POWER VA | TORQUE LB-IN. | TORQUE N-m | TIMING OPENING | STROKE DEGREES | DAMPER BLADE AREA |
|---|---|---|---|---|---|---|---|---|
| *SPRING RETURN* M436A1116 | 120Vac | 23 | 24 | 20 | 2.3 | 30 sec | 75 | 13 sq. ft. (1.2 $m^2$) |

Use with two wire thermostats or other spdt controllers. With thermal breaker for overload protection during the lifting stroke or if motor stalls.


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