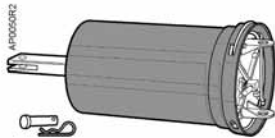


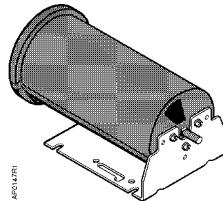
Powers™ Controls

OEM Literature

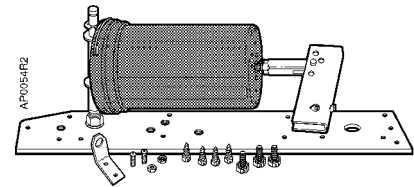
No. 4 Pneumatic Damper Actuator



**Pivot Mount Actuator with Clevis,
Clevis Pin, and Hitch Pin Clip.**



**Actuator with Fixed
Bracket Mounted.**



Actuator with Universal Kit

Product Numbers

Table 1. Product Numbers.

Mounting Style	Factory Assembled Description	Nominal Spring Range			
		3-7 psi (21-50 kPa)	3-13 psi (21-90 kPa)	5-10 psi (35-70 kPa)	8-13 psi (55-90 kPa)
Shaft End	Actuator, 3 Mounting Screws, Bracket not included	331-2910	—	331-2917	331-2963
Shaft End	Actuator with Fixed Bracket Mounted	331-2911	—	331-2934	331-2966
Pivot	Actuator, Integral Pivot, Clevis and Clevis Pin for use with frame mounting accessory	331-2904* 331-2929	331-2905 331-2930	331-2906* 331-2931	331-2961* 331-2968
Universal Kit	Actuator, integral pivot w/ pivot post mounted on plate for extended shaft mounting with clevis and crank for 3/8" (10mm), 7/16" (11mm) or 1/2" (13mm) diameter shaft. Parts for frame mounting (blade drive) included with kit.	331-3000	331-3001	331-3002	331-2973*
OEM Specials	Refer to Landis & Staefa OEM sales for details.	—	—	331-2976*	331-2995* 331-2998*
Any Above with Positioning Relay	Positioner relays can be ordered for factory mounting on any of the above actuators. To order an actuator with a factory mounted positioner relay, change the third digit in the actuator part number from a 1 to a 2. For example: 331-2961 becomes 332-2961 when ordered with a factory mounted positioner relay. You may also order the positioner relay separately from the actuator. Be sure to order both the relay AND the mounting kit. Refer to page 4 Accessories for details.				

* UL Component Recognized.

NOTE: When an actuator is ordered with universal mounting, the mounting plate, pivot post and hardware, clevis, damper crank, rocker arm, and all screws/nuts are included. To order frame mounting accessories if not supplied by damper manufacturer, contact Siemens Building Technologies, Inc.

Description	The Powers No. 4 Pneumatic Damper Actuator is a totally enclosed pneumatic piston type actuator designed to operate dampers for ventilating systems, mixing box control, and other applications requiring a large effective diaphragm area and long stroke.
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Features	• All metal body construction • Replaceable ozone resistant rolling diaphragm • Pivot mounting for extended shaft or frame mounting • Fixed bracket mounting • Direct front mounting • Positioning relay (optional) • Forward travel stops (optional) • Adjustable hesitation point (hesitation actuator only)
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Application	The No. 4 Pneumatic Damper Actuator is recommended for control of outdoor, return air, exhaust, face and bypass, fan discharge, and static pressure control dampers, as well as specialized dampers and air valves found in terminal units such as unit ventilators and mixing boxes.
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The No. 4 Pneumatic Damper Actuator is frequently used to operate dampers for fire/smoke control. These damper/actuator combinations have been tested to UL, AMCA and NFPA standards, and are on file at UL by the damper manufacturer.



Actuators marked with an asterisk are component recognized under UL's Damper Actuator category (GSDS2). This category covers pneumatic damper actuators intended to be employed on fire/smoke control dampers. Review Table 1 for those product numbers that are component recognized by UL for this type of application.

Specifications	Effective Diaphragm Area..... 11 in. ² (71 cm ²)
	Stroke 4 in. (102 mm)
	Stroke (Hesitation Model)..... 3 in. (76 mm)
	Stem..... Stainless Steel
	Housing..... Steel with Cathodic Epoxy Electrocoat
	Diaphragm Ozone Resistant Rubber
	Maximum Air Pressure 30 psig (210 kPa)
	Nominal Spring Ranges 3-7 psi (21-50 kPa)
	 3-13 psi (21-90 kPa)
	 5-10 psi (35-70 kPa)
	 8-13 psi (55-90 kPa)
	Nominal Spring Range (Hesitation Model)..... 2-3; 8-13 psi
	 (14-21; 55-90 kPa)
	Ambient Temp. Range-Operating..... 35-140°F (2-60°C)
	 -20-140°F (-29-60°C)
	Air Connection Elbow barb fitting for 1/4" OD plastic tubing
	 installed in 1/8" NPT opening
	Mounting Styles Available Front, Bracket, Pivot
	Thrust and Torque Rating See Table 2