



Two Position Motor Open, Spring Return Damper Actuators for Forced Air Zone Control, Fan Coils and Draft Control

The 453L, light duty damper actuators are designed for a variety of two-position, spring return, damper applications.

The actuator features a hysteresis synchronous motor designed for long life with a unique "lost motion" drive to protect the gear train from closing shock.

The 453L is suitable for up to 125 in² (806 cm²) of balanced damper. The 453L uses a simple 2-wire thermostat control, and is available with an optional end switch.



Direct Drive and Linkage Drive

Specifications

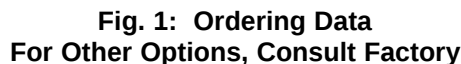
Power Consumption		6.5 Watts, 7VA		
Motor Voltage		See Fig. 1		
Shaft Rotation		Clockwise or Counter-Clockwise Power Stroke. See Fig. 1		
Output	Linkage Drive	2" (5 cm) Diameter Plate with .125" (.32 cm)		
	Direct Drive	7/8" (2.2 cm) Deep Coupler for 5/16" (.79 cm) Shaft		
		0°	84°	Stroke Speed
Torque Rating	Motor Driven Spring Return	45 in-oz	25 in-oz	18 Seconds @ 60Hz
				22 Seconds @ 50Hz
		17 in-oz	25 in-oz	6 Seconds @ 50/60Hz
Operating Temperature Limits		0° to 120° F (-17° to 49° C) Ambient		
Operating Humidity		Non-condensing		
Auxiliary Switch		SPDT Normally open or normally closed Rating: 10 Amp 1/3 H.P. UL (File #E37601) and CSA (File #LR19535) listed, CE compliant		
Shipping Weight		1.2 lbs (544 g)		

*The specifications above are nominal and conform to generally acceptable industry standards.
Erie Controls is not responsible for damages resulting from misapplication or misuse of its products.*

New to Old Part Number Cross-Reference for Damper Actuators

<u>New Part Number</u>	<u>Description</u>	<u>Old Part Number</u>
0453L0077GA00	Direct Drive, CW Rotation	0453G0077GA00
0453L0074GA00	Direct Drive, CCW Rotation	0453G0074GA00
0453L0038GA00	Linkage Drive, CW Rotation	0453G0038GA00
0453L0034GA00	Linkage Drive, CCW Rotation	0453G0034GA00



Erie

Description	Part No.
6 -12 in. Damper	453-52
12 - 20 in. Damper	453-69

® Copyright 1997 Erie Controls. All rights reserved. Printed in the U.S.A.