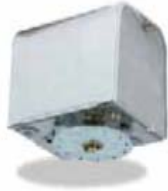


## Erie Damper Actuators

Damper Actuators provide control for forced air zoning and draft control of solid fuel boilers and furnaces. The exclusive lost-motion drive protects the gear train from damage.



**Features:**

- Direct or linkage drive
- Simple 2-wire thermostat control
- Optional end switch
- Quick mounting
- CW or CCW models
- Quiet operation
- UL Recognized

**L SERIES, TWO-POSITION, MOTOR OPEN, SPRING RETURN**

Light Duty - 45 in. oz. Motor Driven		
Model	Drive/Rotation	Voltage
0453L0077GA00	Direct CW	24 Vac
0453L0077GB00		120 Vac
0453L0077GA01		24 Vac, end switch
0453L0077GB01		120 Vac, end switch
0453L0038GA00	Linkage CW	24 Vac
0453L0038GB00		120 Vac
0453L0038GA01		24 Vac, end switch
0453L0038GB01		120 Vac, end switch
0453L0074GA00	Direct CCW	24 Vac
0453L0074GB00		120 Vac
0453L0034GA00	Linkage CCW	24 Vac
0453L0034GB00		120 Vac



**Features:**

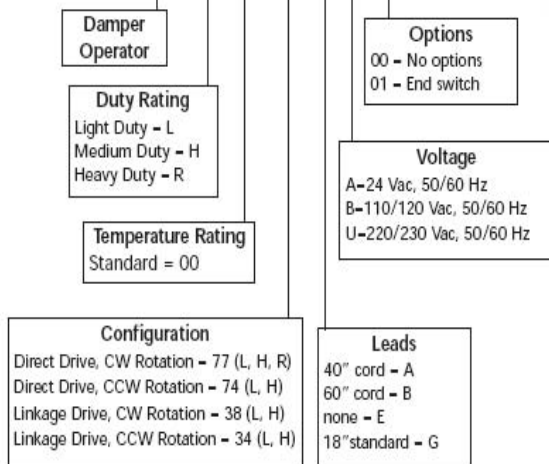
- Direct or linkage drive
- Simple 2-wire thermostat control
- Optional end switch
- CW or CCW models
- Quiet operation
- UL Recognized
- Quick mounting

**H SERIES, TWO-POSITION, MOTOR OPEN, SPRING RETURN**

Medium Duty - 55 in. oz. Motor Driven		
Model	Drive/Rotation	Voltage
0453H0077GA00	Direct CW	24 Vac
0453H0077GB00		120 Vac
0453H0077GA01		24 Vac, end switch
0453H0077GB01		120 Vac, end switch
0453H0038GA00	Linkage CW	24 Vac
0453H0038GB00		120 Vac
0453H0038GA01		24 Vac, end switch
0453H0038GB01		120 Vac, end switch
0453H0074GA00	Direct CCW	24 Vac
0453H0074GB00		120 Vac
0453H0034GA00	Linkage CCW	24 Vac
0453H0034GB00		120 Vac

**Part Numbering System**  
ERIE TWO POSITION,  
SPRING RETURN DAMPER ACTUATORS

0 4 5 3 X XX XX XX XX



**Features:**

- Direct drive
- Quick mounting
- Two-position motor driven open and motor drive close

**R SERIES, MOTOR OPEN, MOTOR CLOSED**

Heavy Duty - 150 in. oz. Motor Driven			
Model	Drive	Voltage	Control
0453R0077GA00	Direct	24 Vac	3-wire
0453R0077GB00	Direct	120 Vac	3-wire
0453R0077GU00	Direct	230 Vac	3-wire

**Shaft Kits for L, H, and R Series**

Model	Description	Diameter
453-52	6" to 12" shaft hardware	5/16"
453-69	12" to 120" shaft hardware	5/16"

### 453L, 453H, 453R Series

Model Chart (Continued)										
Model No.	Description	Voltage Vac	Drive Direction of Rotation <sup>a</sup>	Torque Rating in.-oz.				Stroke Speed in Seconds		
				Motor Driven		Spring Return		Motor Driven	Spring Return	
				0°	84°	0°	84°			
453H0077GA01	Direct Drive with End Switch	24	CCW	55	35	35	55	27 @ 60 Hz 32 @ 50 Hz	8 @ 50/60 Hz	
453H0077GB00	Direct Drive	120								
453H0077GB01	Direct Drive with End Switch	120								
453H0077GU00	Direct Drive	230								
453L0038GA00	Linkage Drive with End Switch	24	CW	45	25	17	25	18 @ 60 Hz 22 @ 50 Hz	6 @ 50/60 Hz	
453L0038GA01		Linkage Drive								120
453L0038GB01		Linkage Drive with End Switch								120
453L0038GU00		Linkage Drive								230
453L0038GU01	Linkage Drive with End Switch	230	CCW	45	25	17	25	18 @ 60 Hz 22 @ 50 Hz	6 @ 50/60 Hz	
453L0074GA00	Direct Drive	24								
453L0074GB00		120								
453L0074GU00		230								
453L0077GA00		24								
453L0077GA01	Direct Drive with End Switch	24	CW	150	150	—	—	37 @ 60 Hz 45 @ 50 Hz	Non-Spring Return	
453L0077GB00	Direct Drive	120								
453L0077GB01	Direct Drive with End Switch	120								
453L0077GU00	Direct Drive	230								
453L0077GU01	Direct Drive with End Switch	230	—	150	150	—	—	37 @ 60 Hz 45 @ 50 Hz	Non-Spring Return	
453R0077GA00	Direct Drive 3-wire Control	24								
453R0077GB00		120								
453R0077GU00		240								

<sup>a</sup> Drive direction as viewed from the bottom of the actuator.

Specifications	
<b>Inputs</b>	
Control signal	SPST for spring return, SPDT for non-spring return.
Power	24 Vac @ 50/60 Hz; 110/120 Vac @ 50/60 Hz; 220/230 Vac @ 50/60 Hz. 453L, 453R: 6.5 W, 7 VA. 453H: 6.5W, 10 VA. End switch: 10 Amps @ 120 Vac.
<b>Outputs</b>	
Motor Type	Synchronous AC.
Mechanical	Direction of rotation: CW or CCW rotation. Maximum close-off torque: See Model Chart.
<b>Environment</b>	
Ambient temperature limits	Shipping and storage: -40 to 169°F (-40 to 71°C). Operating: 0 to 120°F (-17 to 49°C).
Humidity	Non-condensing.
Locations	NEMA Type 1.
<b>Agency Listings</b>	
UL	File #E37601.
CSA	File #LR19535 listed, CE compliant.
General Instructions	Refer to F-27028.

Accessories	
Model No.	Description
453-52	6 to 12 in. damper shaft extension kit.
453-89	12 to 20 in. damper shaft extension kit.
453-239	5/16 to 1/2 in. shaft adaptor.

### Typical Applications

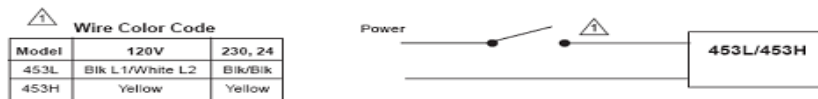


Figure 1 Typical Wiring Diagram, 453L/453H Models.

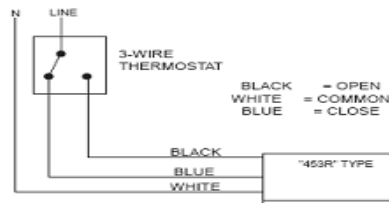


Figure 2 453R with Three-Wire Thermostat.