

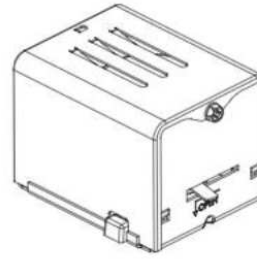
# Erie™ Spring Return Two-Position Actuator

The PopTop™ series valve bodies and actuators provide easy installation for a variety of heating and cooling applications.

The valve's actuator can be installed after the valve body has been installed onto the fan coil, baseboard or air handler.

Features:

- Synchronous motor drive with spring return.
- Variety of voltages available.
- Mounts directly onto the body without the need for linkages or calibration.
- Manual override lever on normally closed actuators.



**AHxx Series  
High Close-off**



**AGxx Series  
General Close-off**

## Model Chart

**General Close-Off, 2-Position, Power (Open or Close): 9 to 11 Seconds; Spring Return (Open or Close): 4 to 5 Seconds**

Model No.	Volts AC	Electrical Position	Temperature Range F (C)	End Of Travel Switch	Wiring	
AG13A01A	24	Normally Closed	32 to 200°F (Fluid) @ 104°F (Ambient) (0 to 93°C @40°C)	Yes	Terminal Block	
AG13A020	24			No	18 in. Leads	
AG13A02A	24			Yes		
AG13B020	120			No		
AG13B02A	120			Yes		
AG13D020	208			No		
AG13D02A	208			Yes		
AG13T020	277			No		
AG13T02A	277			Yes		
AG13U020	230			No		
AG13U02A	230			Yes		
AG14A020	24			No		32 to 250°F (Fluid)@ 169°F (Ambient) (0 to 121°C @ 76°C)
AG14A02A	24			Yes		
AG14B020	120			No		
AG14B02A	120			Yes		
AG14D020	208			No		
AG14D02A	208			Yes		
AG14T020	277			No		
AG14U020	230			No		
AG14U02A	230			Yes		
AG23A01A	24	Normally Open (can only be used on 2-way valve)	32 to 200°F (Fluid)@ 104°F (Ambient) (0 to 93°C @40°C)	Yes		
AG23A020	24			No	18 in. Leads	
AG23A02A	24			Yes		
AG23B020	120			No		
AG23B02A	120			Yes		
AG23D020	208			No		
AG23D02A	208			Yes		
AG23T020	277			No		
AG23T02A	277			Yes		

# AGxx, AHxx Series

## Model Chart (Continued)

Model No.	Volts AC	Electrical Position	Temperature Range F (C)	End Of Travel Switch	Wiring		
AG24T020	277	Normally Open	32 to 250°F (Fluid) @ 169° (0 to 121° @ 76°)	No	18 in. Leads		
AG24U020	230			No			
<b>High Close Off, 2-Position, Power (Open or Close): 13 to 18 Seconds; Spring Return (Open or Close): 4 to 5 Seconds</b>							
AH13A020	24	Normally Closed	32 to 200°F (Fluid) @ 104°F (Ambient) (0 to 93°C @40°C)	No	18 in. Leads		
AH13A02A	24			Yes			
AH13B020	120			No			
AH13B02A	120			Yes			
AH13D020	208			No			
AH13D02A	208			Yes			
AH13T020	277			No			
AH13T02A	277			Yes			
AH13U020	230			No			
AH13U02A	230			Yes			
AH14A020	24			Normally Open (can only be used on 2-way valve)		32 to 250°F (Fluid) @ 169°F (Ambient) (0 to 121°C @ 76°C)	No
AH14A02A	24						Yes
AH14B020	120						No
AH14B02A	120						Yes
AH14D020	208	No					
AH14D02A	208	Yes					
AH14T020	277	No					
AH14U020	230	No					
AH23A020	24	Normally Open (can only be used on 2-way valve)	32 to 200°F (Fluid) @ 104°F (Ambient) (0 to 93°C @40°C)		No		
AH23A02A	24				Yes		
AH23B020	120				No		
AH23B02A	120				Yes		
AH23U020	230				No		
AH23U02A	230				Yes		
AH24A020	24			Normally Open (can only be used on 2-way valve)	32 to 250°F (Fluid) @ 169°F (Ambient) (0 to 121°C @ 76°C)	No	
AH24A02A	24					Yes	
AH24B020	120					No	
AH24B02A	120					Yes	
AH24D020	208					No	
AH24D02A	208					Yes	
AH24T020	277					No	
AH24U020	230					No	
AH24U02A	230	Yes					

**Specifications**

<b>Inputs</b>	
Control signal	On/off, 2 position SPST, spring return.
Power	6.5 watts 7.5 VA @ 50/60 Hz.
End Switch	24-240 Vac/101 mA minimum to 5A maximum and 90-30 Vdc@ 100 mA maximum.
<b>Outputs</b>	
Motor Type	Hysteresis synchronous.
Mechanical	Control action: 2-way accepts N.O or N.C. actuator, 3-way N.C. (piping determines N.O./N.C. status of flow to coil.) Timing:
<b>Environment</b>	
Ambient temperature limits	Refer to Model Chart.
Humidity	5 to 95% RH, non-condensing.
<b>Agency Listings</b>	
European Community	Actuator only: CUL #MH25807, CE compliant, C-Tick Declaration (N2223). Actuator/Valve Assembly: UL #Mp916, CE Compliant.
General Instructions	EMC Directive (89/336/EEC). Low Voltage Directive (72/23/EEC). Refer to F-27384 Valve Catalog, Zone Valve section.

**Typical Applications**

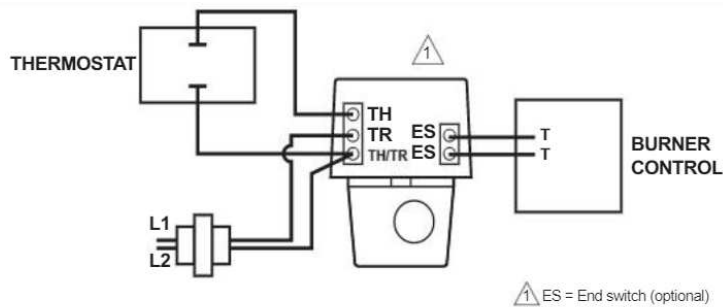


Figure 1 Typical Wiring/Erie Terminal Block.

**Invensys - Erie Wire Leads**

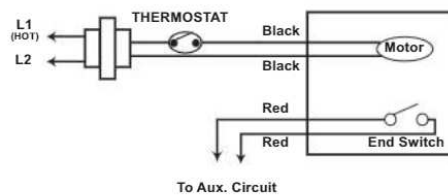


Figure 2 Typical Wiring of a PopTop with Wire Leads.