

ELECTROTHERMIC ACTUATOR 24V FOR CALEFACTIO MANIFOLDS

SUBMITTAL DATA

PROJECT

Job Name: _____ Submitted by: _____ Date: _____
 Location: _____ Approved by: _____ Date: _____
 Engineer: _____ Order No.: _____ Date: _____
 Contractor: _____ Notes: _____
 Sales Rep.: _____

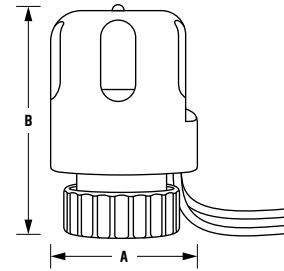
DESCRIPTION

When there are multiple thermostats connected to one manifold, then it's essential to use actuators to control the distribution flow in the loops according to the thermostat demands. With this, you will be able to manage the temperature of each zone independently.

Once the actuator is mounted on the manifold and there is no voltage applied, it is in the closed position and the red indicator, located on the top of the actuator, will be level with the top of the actuator. In this closed position, water will not flow through the loop(s). When power (24 volts) is applied to the actuator the red indicator will take 1 to 2 minutes before becoming fully visible, indicating an open flow. Calefactio's 24-volt actuator has been designed for use with Calefactio Caltherm Pro and Caltherm Mega manifolds.

TECHNICAL DATA

Type of movement: linear movement
 Max. actuator stroke: 3.5mm
 Working stroke on valve: 2.5mm
 Rated voltage: 24V (+10% / -15%)
 Frequency: 60Hz
 Power consumption: 2.0W (continuous duty)
 Version: NC (normally closed), 2-wire
 Time to open/close: ~ 90-120 seconds
 Protection degree: IP54 according to EN 60529
 Electrical protection class: Class II
 Connecting cable: length 1m 2x2.0mm²
 Ambient temperature range: 0°C to 50°C during use
 Storage temperature range: -25°C up to 60°C
 Mechanical connection: threaded ring nut M30x1.5



Model#	Connect.	A		B		Weight	
		in	mm	in	mm	lb	kg
AC24NC	3/4" x 1/2"	1.57	40	2.36	60	0.44	0.2

TYPICAL SPECIFICATIONS

Furnish and install as shown on the plans and described as follows, an electrothermic actuator 24V 2-wire cable manufactured by Calefactio Solutions Inc.