

Data Sheet

Thermal Actuator

Description



Thermal actuator is used with 2 way motorized control valves , automatically balanced combination valves and automatically controlled floor heating manifolds.

The actuator can be controlled with an on/off controller or switch .

These provide a cost effective solution for the control of hot and/or chilled water for fan coil units , small reheaters and recoolers , floor heating zones temperature control systems.



Main features

- 24VAC/Dc or 230 VAC supply
- Position indicator
- Normally closed NC
- Medium temperature 120 C
- Cable included

Ordering

Product	Type	Supply Voltage	Ordering Code
Thermal actuator	NC	230 VAC	OLG1816
Thermal actuator	NC	24 VAC / DC	OLG1817

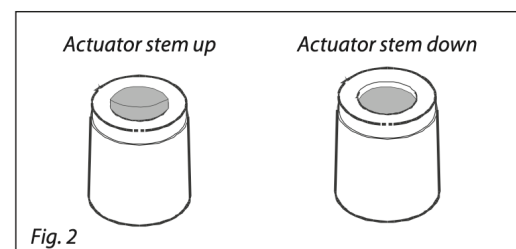
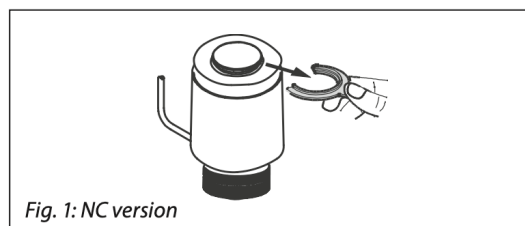
Technical data

Power supply	V	24 VAC/DC $\pm$ 25%	230 VAC $\pm$ 25%
Power consumption	W	2	
Frequency	Hz	50/60	
Control input		on/off	
Closing force	N	110	
Min. stroke	mm	3	
Full stroke time	min	2.4	
Max. medium temperature	° C	120	
Ambient temperature	° C	2...60	
IP class		IP 41	
Cable lenght	m	1.2	

Operation

Thermal actuator works on the thermal expansion principle:

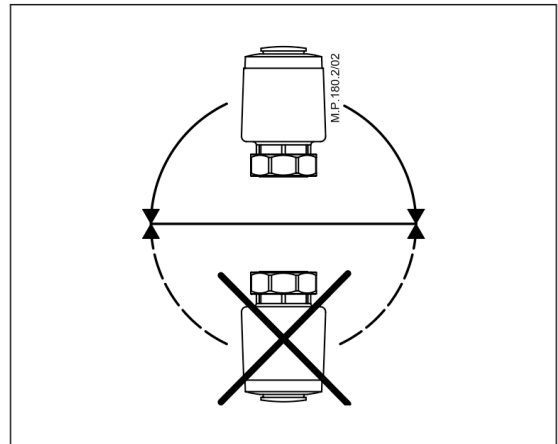
- moves actuator stem in one direction in case of heating of the actuator and
- moves actuator stem in another direction in case of no heating of the actuator
- NC version, in the non-energized state actuator's stem is extracted
- Actuator has an internal spring, which is factory fixed with a split ring (*Fig.1*) to hold the spring retracted in its off -the-shelf state. The use of split ring allows the actuator to be mounted to the valve. Once mounted, the split ring has to be removed.
- The actuator is equipped with a position indicator to show the position of the actuator stem (*Fig.2*).



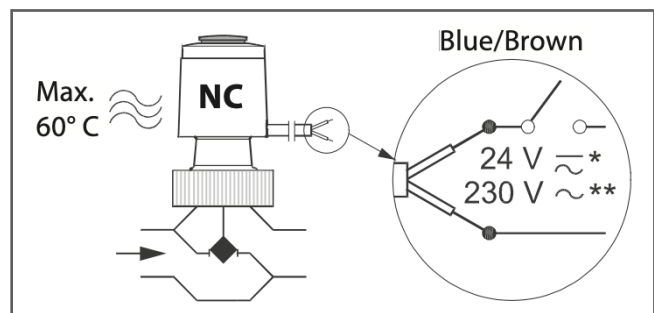
Installation

Mechanical

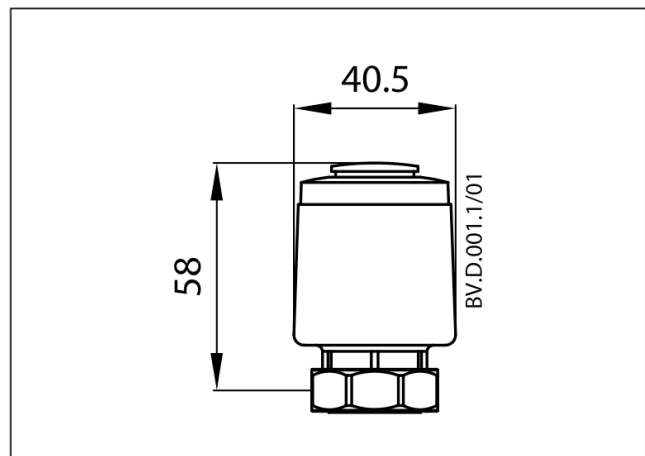
Installation of the valve with the actuator is allowed in horizontal position or upwards.



Electrical



Dimensions



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