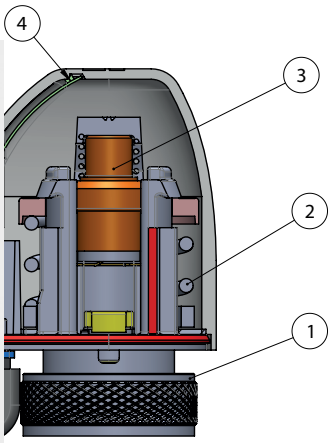
THERMO-ELECTRIC Valve Actuator for NO/NC, for Radiator/Manifold Valves

WAX motor is a linear actuator device that converts thermal energy into mechanical energy by exploiting the phase-change behaviors of waxes



Features

1. Ring Nut M30x1,5
2. Spring
3. Wax thermostatic element
4. LEDs
5. Microswitch (4-wire)
6. Cable connector

Normally closed

➢ Product Description:

THA-M30 thermal actuator is usually applied to control radiator, floor heating system or zone valves. It can automatically close the flux of system under the control of room thermostat and other electrical switch. This model only can be used as on-off administrator.

➢ Operating Principle

1. When the power is on, the valve will be opened by the expand of metal elements.

2. When the power is off, the equipment (actuator and valve) will also be normally closed.

3. When one room thermostat is running, it can give ON/OFF signal to actuator to open or close the valve.

- **Low and line voltage models available**
  Flexible applications
- **Suitable to Johnson Controls and almost all of terminal unit valve on the ma**
  No limits in valve selection and retrofitting
- **Easy mounting solution (bayonet system)**
  Easy to install, no expert required
- **Compact design**
  Ideal for installation in confined spaces (fan coils, etc.)
- **Can be mounted after valve body is installed**
  Easier to install. Allows more flexibility in actuator selection
- **Actuator stroke indicator highly visible**
  Actuator stroke visible in any direction, in confined space and in dark environment
- **Removable cable**
  No expert require for connection or replacement
- **Different cable length available as separate kit**
  OEM's version easily available
- **IP54**
  Installation permitted in any direction

Model	THA-M30/M28
Working Voltage	230VAC±10%
Initial Current	About 50MA
Power Consumption	2W
Working mode	NC
Protection Grade	IP41
Stroke	3-5mm
Working Temperature	-5~60℃
Storage Temperature	-20~50 ℃
Security Class	II(Double Insulation)
Cable Length	80cm
Running Time	180seconds (open-closed)

OPERATION:

Normally closed version (NC)

When mounting the actuator on the valve body, the valve plug shuts off the flow of fluid.

When voltage is applied a linear movement of the thermostatic element is caused the valve plug opens which then allows the fluid to flow.

When the voltage is removed, the valve plug is closed again.

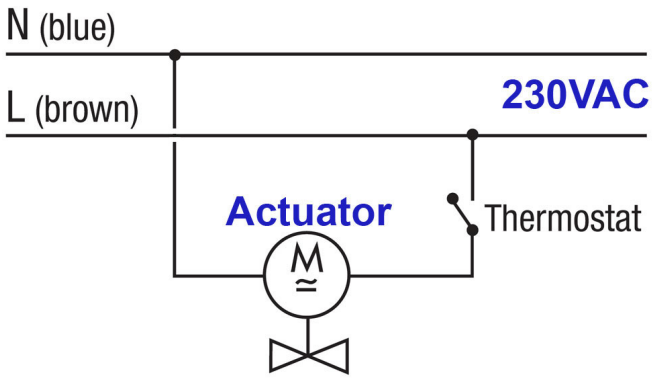
ASSEMBLY:

-) remove the protective cap, if present, or handwheel from the valve

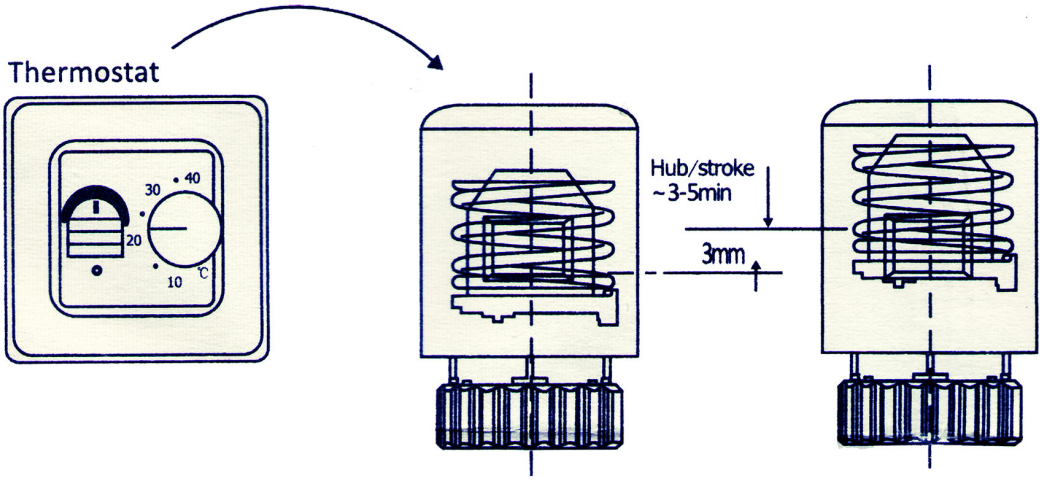
-) screw-in the actuator ring nut by hand on the threaded part of the valve body and lock it

-) connect the wires to the electrical equipment

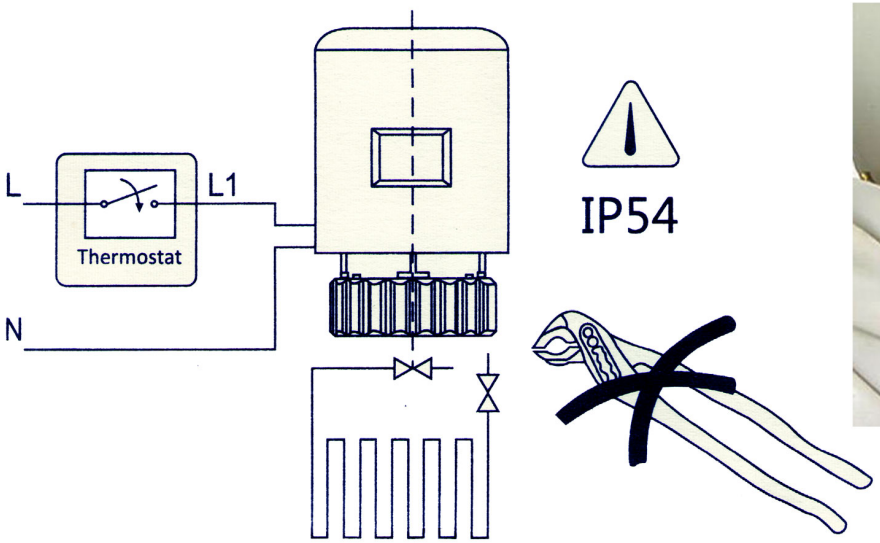
WARNING NEVER OPEN THE ACTUATOR BODY CASING EVEN

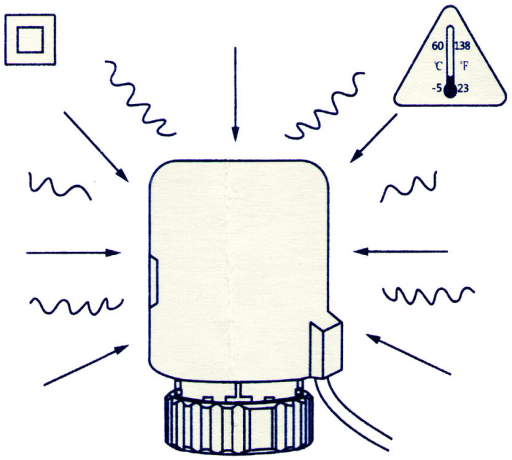


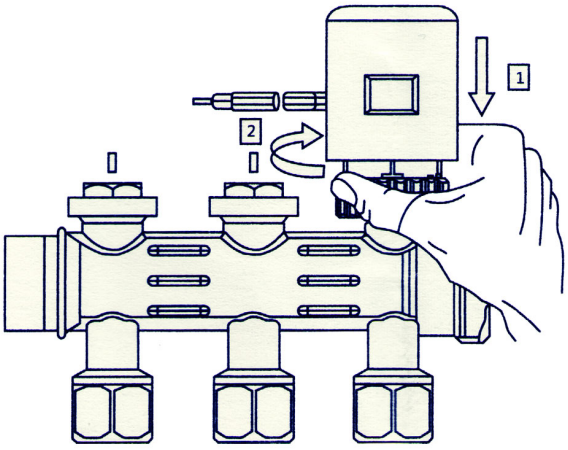
➢ Working Status Show:



U=230V ± 15%
P= ~ 2W
Imax= 200mA
Ip54
-5℃bis60℃
F=~110N



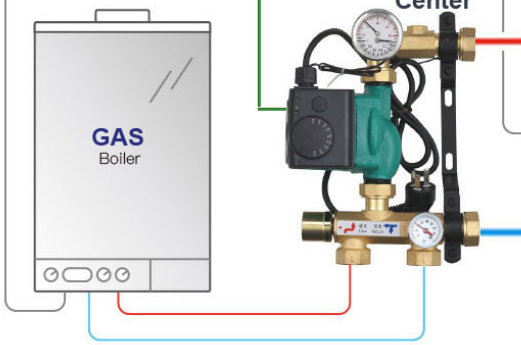




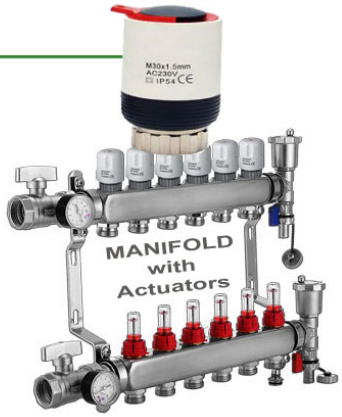
Related Products:
THVAL-DN20
THVAL-DN25

THY02TP-WiFi

THY08WW-WiFi



Actuator for
room temperature
regulation



1" & 3/4"
Thermal
Zone
Valve

THY08BE-WiFi