

CAUTION! Installation and connection should only be carried out by a qualified person and in accordance with national wiring regulations.

- Before commencing any work on the electrical connections, you must first disconnect the thermostat from the mains.
- None of the 230V connections must be live until the installation has been completed and the housing is closed.
- If the thermostat is used in a way not specified by the manufacturer, its safety may be impaired.
- Verify that the thermostats technical data (Power supply, Contact rating, etc.) are suitable to the installation conditions.



WRP



WRP-TP

Important: Keep this document



Technical Data

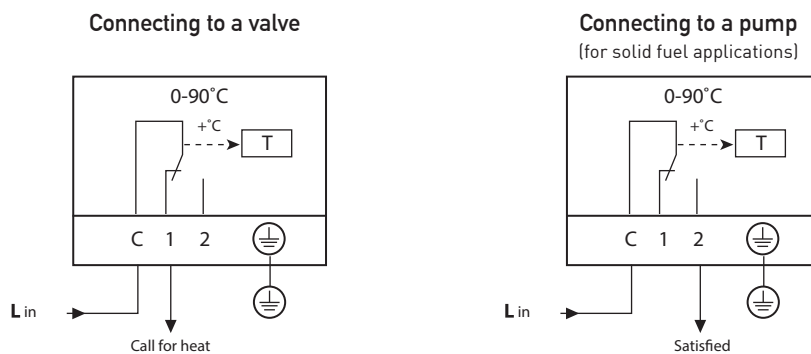
| PRODUCT CODE | PRODUCT NAME | SETPOINT ADJUSTMENT | SWITCHING DIFFERENTIAL | TOLERANCE TEMP. ACCURACY | CHAIN FOR PIPE MOUNTING MAX. 80mm | CORD FOR CYLINDER MOUNTING | IP RATING |
|--------------|--|---------------------|------------------------|--------------------------|-----------------------------------|----------------------------|-----------|
| WRP | Pipe / Cylinder Thermostat | External | 5±3°C | 55±5°C | Yes | Yes | IP40 |
| WRP-TP | Pipe / Cylinder Thermostat Tamperproof | Internal | 5±3°C | 55±5°C | Yes | Yes | IP40 |

| SENSORY TYPE | TEMPERATURE RANGE | CONTACT | CONTACT RATING | AMBIENT TEMPERATURE | MAX.PERMISSIBLE TEMP. OF HOUSING | MAX.PERMISSIBLE TEMP. OF SENSOR | PROTECTION CLASS |
|--------------|-------------------|---------|----------------|---------------------|----------------------------------|---------------------------------|------------------|
| Gas filled | 0-90°C | SPDT | 16(4)A 250Vac | 0 ... 55°C | 80°C | 110°C | II (IEC 60536) |

Operation

The WRP / WRP-TP are water temperature thermostats used for controlling the temperature of liquids in cylinders, tanks and pipework. They are designed for surface mounting and can be fixed to pipework with the chain link provided or can be fixed to a cylinder with the cord provided. The required temperature can be set by rotating the external setpoint knob on the WRP. The required temperature can be set by rotating the internal setpoint knob on the WRP-TP. The Common terminal is terminal C. When the thermostat is calling for heat Terminals C & 1 are closed. When the thermostat is satisfied Terminals C & 2 are closed.

Wiring diagram



Terminals:

- 1 = Opens the circuit when temperature increases
- 2 = Closes the circuit when temperature increases
- C = Common contact

This thermostat can be installed in the following ways:

1. Mounted on pipe work using chain link supplied.
2. Mounted on a cylinder using cord supplied.

Installation

Cylinder

To ensure accurate control of your cylinder, the thermostat should be mounted on the bottom 1/3 of the cylinder. It is essential that the sensing element is in direct contact with the cylinder and that there is no insulation between it and the cylinder. The thermostat can be fixed using the provided cord. Heat conducting paste should be used.

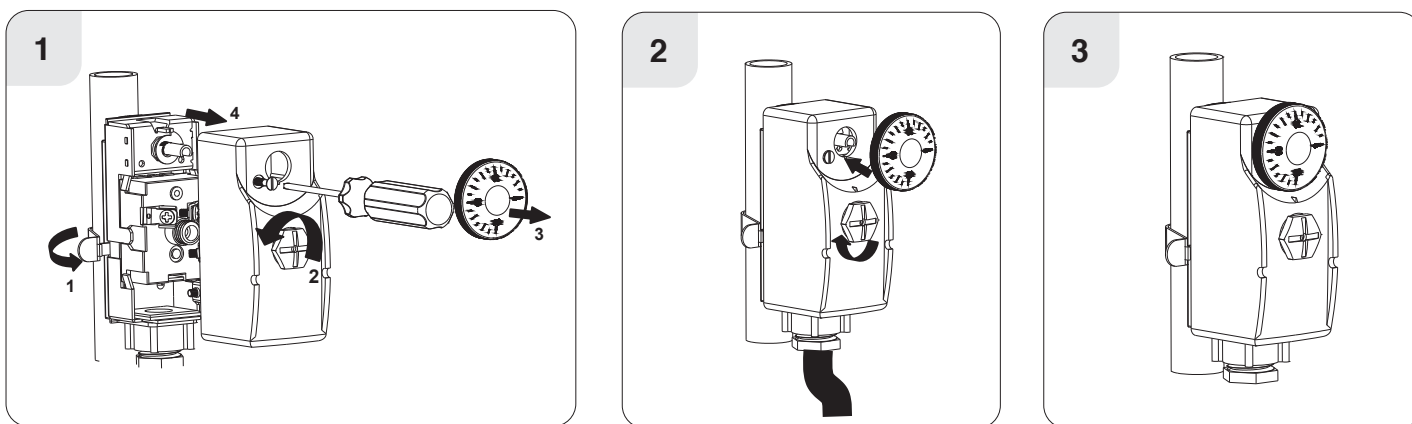
Pipe

To ensure accurate control, the thermostat should be mounted on the pipework with the chain link provided. It is essential that the sensing element is in direct contact with the pipework and that there is no insulation between it and the pipework. Heat conducting paste should be used.

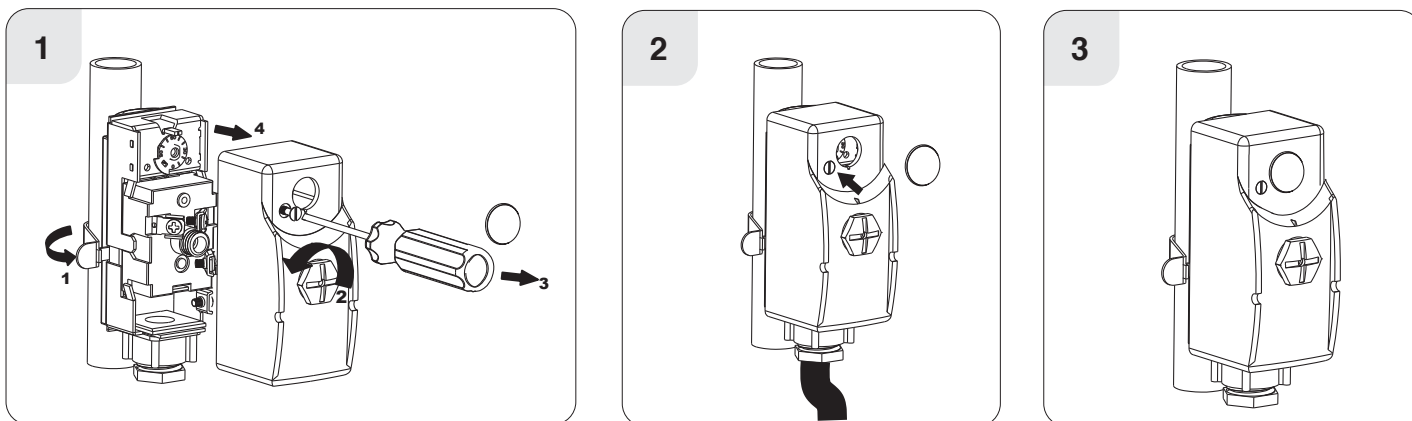
Typical applications include:

1. Pump Run on thermostat.
2. Safety thermostat for use in solid fuel heating systems.
3. Shunt pump control in oil fired installation.

WRP



WRP-TP



Drawing and Dimension

