WRP - Pipe / Cylinder Thermostat

Datasheet

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.

Important: Keep this document

WRP

WRP-TP

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

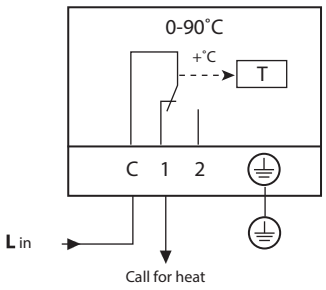
SENSOR TYPE	TEMPERATURE RANGE	SWITCH OUTPUT	CONTACT RATING	AMBIENT TEMPERATURE	MAX.PERMISSIBLE TEMP. OF HOUSING	MAX.PERMISSIBLE TEMP. OF SENSOR	PROTECTION CLASS
Gas filled	0-90˚C	SPDT	16(4)A 230Vac	0 ... 55˚C	80˚C	110˚C	II (IEC 60536)

Operation

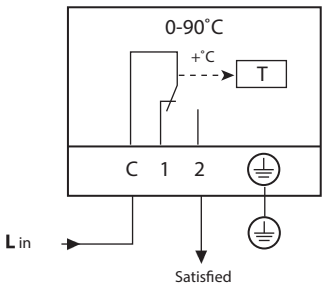
The WRP / WRP-TP are water temperature thermostats used for controlling the temperature of liquids in cylinders, tanks and pipework.
They are designed for surface mounting and can be fixed to pipework with the chain link provided or can be fixed to a cylinder with the cord provided.
The required temperature can be set by rotating the external setpoint dial on the WRP.
The required temperature can be set by rotating the internal setpoint dial 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

Connecting to a valve



Connecting to a pump
(for solid fuel applications)



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

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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

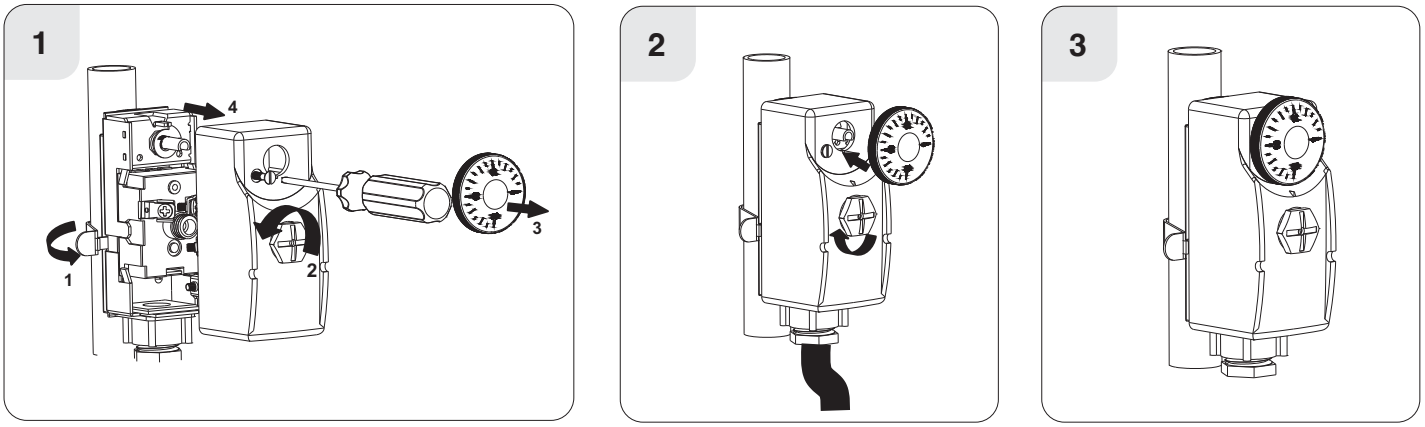
To ensure accurate control of your cylinder, the thermostat should be mounted on the bottom 1/3 of the cylinder. It is essential that the sensing element is in direct contact with the cylinder and that there is no insulation between it and the cylinder. The thermostat can be fixed using the provided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

Pipe

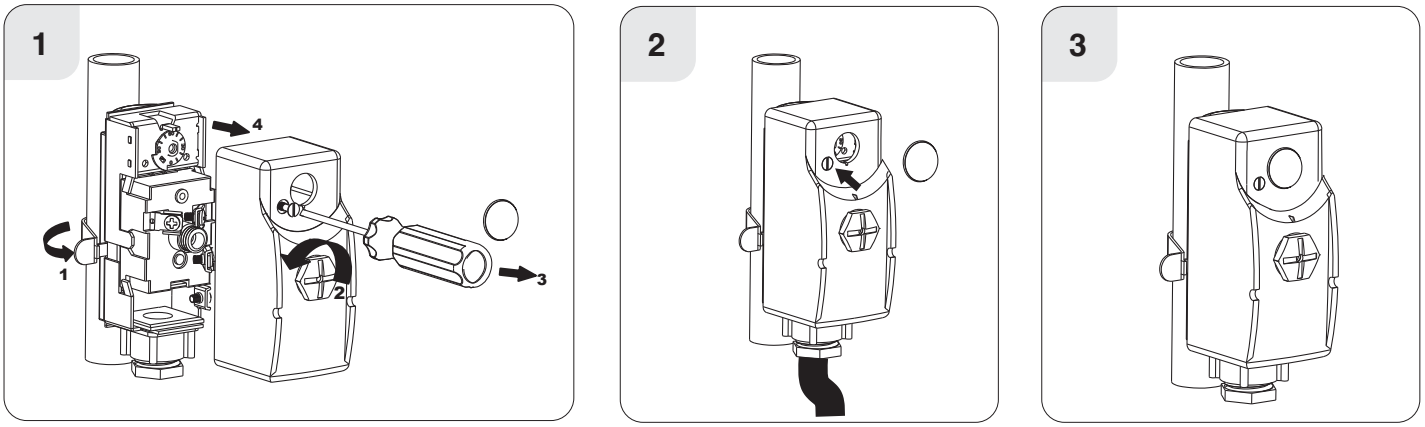
To ensure accurate control, the thermostat should be mounted on the pipework with the chain link provided. It is essential that the sensing element is in direct contact with the pipework and that there is no insulation between it and the pipework. Heat conducting paste should be used.

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

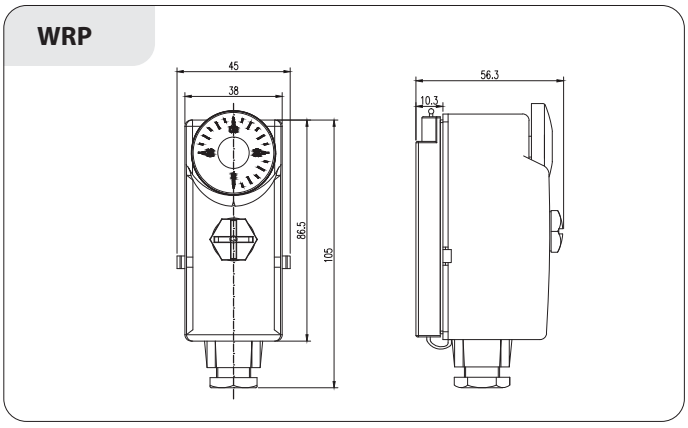


WRP-TP

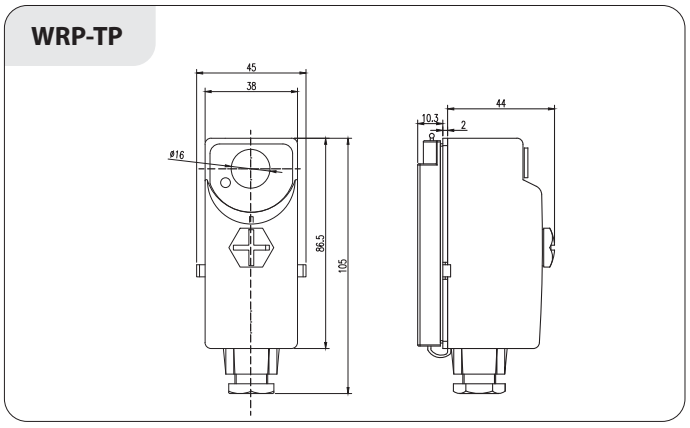


Drawing and Dimension

WRP



WRP-TP



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