

# TIMEGUARD®

## Cylinder/Pipe Thermostat

Model: TRT044



Installation & Operating Instructions

# 1. General Information

These instructions should be read carefully before installation and retained for further reference and maintenance.

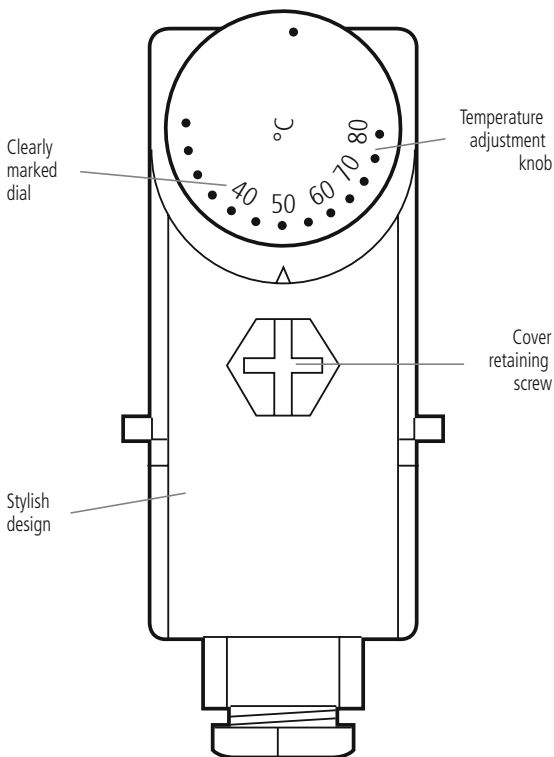
## 2. Safety

- Before installation or maintenance, ensure the mains supply to the cylinder/pipe thermostat is switched off and the circuit supply fuses are removed or the circuit breaker turned off.
- It is recommended that a qualified electrician is consulted or used for the installation of this cylinder/pipe thermostat and install in accordance with the current IEE wiring and Building Regulations.
- Check that the total load on the circuit including when this cylinder/pipe thermostat is fitted does not exceed the rating of the circuit cable, fuse or circuit breaker.
- To clean use a clean dry cloth only. Do not use any liquid cleaners.

## 3. Technical Specifications

- Operating Voltage: 230V AC 50 Hz
- Switch Rating: 16A Resistive, 3kW
- Switch Type: Single pole, double throw (SPDT)
- Operating Temperature Range: 0°C to +55°C
- Set Temperature Range: +40°C to +80°C
- CE Compliant
- Dimensions: H=105mm, W=38mm, D=56mm

## Front view of TRT044



## 4. Siting

- The TRT044 is designed to be surface mounted onto the domestic hot water cylinder.
- For cylinders with an insulating foam covering, a section of foam must be removed so the back of the thermostat is in direct contact with the metal body of the tank.
- The TRT044 should be mounted between a quarter and third of the way up from the base of the tank in a position that gives good access to the temperature adjustment knob.

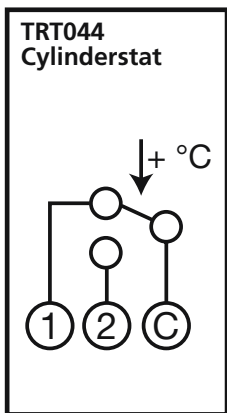
## 5. Installation

- 4.1 Ensure the mains supply is switched off and the circuit supply fuses are removed or the circuit breaker turned off.
- 4.2 Unscrew and remove the cover retaining screw, and carefully ease off the temperature adjustment knob.
- 4.3 Remove the front cover.
- 4.4 Loosen the cable gland and thread the incoming 230V 50Hz mains supply cable into the unit.  

Note: Allow sufficient excess cable to wire up the unit, but not too much to make it difficult to close the cover on the unit.
- 4.5 Prepare the cable for termination.
- 4.6 Connect the cable to the relevant terminals ensuring that the brass washers grip the wires firmly (see section 6. Connection Diagram).
- 4.7 Pull some of the excess cable back through the cable gland and tighten to the trap the cable and give good strain relief.
- 4.8 Re-position the cover over the unit, along with the cover retaining screw and temperature adjustment knob.
- 4.9 Adjust the length of the spring wire, and use it to strap the TRT044 to the hot water cylinder.
- 4.10 Restore mains to the unit after checking all system wiring is complete.

## 6. Connection Diagram

- Note: Check boiler instructions before connecting



230V 50Hz Mains Supply

C = Live Supply Input

1 = Switched Live Output  
(terminals C and 1 make  
temperature on fall)

2 = Switched Live Output  
(terminals C and 2 make  
temperature on rise)

## 7. Operation

- Use the temperature adjustment knob to set the desired temperature.

Note: For vulnerable people it may be advisable to reduce the setting to as low as +50°C bearing in mind the outlet water temperature will be somewhat higher than this due to the temperature stratification in the tank.

If you experience problems, do not immediately  
return the unit to the store.

Telephone the Timeguard Customer Helpline:

HELPLINE

**01582 544 548**

or email [helpline@timeguard.com](mailto:helpline@timeguard.com)

Qualified Customer Support Coordinators will be online  
to assist in resolving your query.



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