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Prior to setting the thermostat, it is necessary to complete all required settings described in this section.

CAUTION!

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. Only qualified electricians or authorised service staff are permitted to open the thermostat.

There are parts that may carry mains voltage behind the cover. The thermostat must not be left unsupervised when open. (Prevent non specialists and especially children from gaining access to it.)

Important: Keep this document

1. Factory default settings

| | |
|---------------------------|---|
| Contacts: | Volt Free |
| Temperature indicator: | °C |
| Switching differential: | 0.4°C |
| Blue backlight activated: | for 10 secs after any button is pressed |
| Keypad lock: | Off |

2. Specifications & wiring

| | |
|-------------------------|------------------------|
| Power supply: | 230Vac ±10% |
| Power consumption: | 5 mVA |
| Temp. control range: | 10 ... 90°C |
| Ambient temperature: | 0 ... 50°C |
| Contact rating: | 16(3)A |
| Dimensions: | 84 x 84 x 30mm |
| Temperature sensor: | NTC 10K Ohm @ 25°C |
| Switching differential: | Adjustable from 2-10°C |
| Temperature indication: | °C |

3. Mounting

A) Mounting of temperature sensor

On Cylinder:

To ensure accurate control of your cylinder, the temperature sensor 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. 60°C is the temperature level required in order to prevent the build up of legionella bacteria. The temperature sensor can be fixed to the cylinder using the provided cord.

On Pipework:

To ensure accurate control, the temperature sensor should be mounted on the pipework as tightly as possible. 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.

B) Mounting of thermostat

The thermostat should be mounted in a position that will make reading the display convenient. If required, the temperature sensor can be lengthened with a 2 core cable to a maximum of 10 metres without affecting the accuracy. This will enable the thermostat to be mounted in a location convenient for the user to read the temperature display. However, it is important that an identical gauge cable is used.

- The thermostat can be fitted to:
1. Recessed conduit boxes
 2. Surface mounting boxes
 3. Directly on walls

4. Installation

Slacken the fastening screw on the bottom of the thermostat with a philips head screwdriver.

The thermostat is hinged and can be opened 180 degrees.

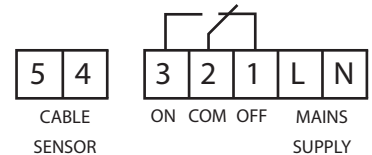
Mount the unit as described in section 3b.

Wire the thermostat according to the wiring diagram in section 5.

Close the thermostat and tighten the fastening screw.

5. Wiring diagram

INTERNAL WIRING DIAGRAM CDC



6. Button / Symbol description



7. Operating Instructions

Once power has been applied to the thermostat, press the button.

The actual temperature will appear on the screen.

To adjust the temperature press the button.

Press the and buttons to select the desired temperature setpoint.

To adjust the differential press the button.

Press the and buttons to select the desired temperature differential.

Press the button and the thermostat is ready for operation.

8. Keypad lock and unlock OFF

To lock the keypad, press and hold the and buttons for 5 seconds.

will appear on the screen. The keypad is now locked.

To unlock the keypad, press and hold the and buttons for 5 seconds.

will disappear from the screen. The keypad is now unlocked.