

ESCTP5-RF and ESCTP5-W

Programmable Cylinder Thermostat

Installation instructions



Thank you for choosing ESi Controls.

All our products are tested in the UK so we are confident this product will reach you in perfect condition and give you many years of service. However, for additional peace of mind, we recommend you register your product online at **www.esicontrols.co.uk/warranty** for your extended warranty.

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Installation instructions

1. Technical specification

1.1 Parameter settings

Auto mode	
Set temperature	25°C - 65°C (Default: 55°C)
Program event start/end time	00:00 - 23:50 (User manual section 6)
Program operation mode	5/2 day, 7 day, 24hr (Default: 5/2 day)
Number of programs	2 or 3 (Default: 2)
Manual mode	
Manual mode temperature	25°C - 65°C (Default: 55°C)
Holiday mode	
Holiday mode temperature	25°C - 65°C (Default: 25°C)
Holiday mode days	1 – 99 (Default: 1)
Delayed start	
Operation mode	Auto, manual, OFF (Default: Auto)
Hysteresis	2°C - 15°C (Default: 2°C)
Display illumination	On/Off (Default: Off)

1.2 Thermostat technical settings

Power supply	230VAC, 3(1)A SPDT
Temperature sensor accuracy	+/- 1°C at 20°C
Total switch rating	3(1)A 230VAC
Plastic type	Thermoplastic, flame retardant
Protection rating	IP30
Dimensions	95mm (L) x 95mm (W) x 39mm (D)
BST/GMT Time change	Automatic
Factory pre-set programme	yes, <i>(See section 6 of user manual)</i>
Complies with	EN 60730-1, EN 60730-2.7, EN 55014-1:2006+A1:2009+A2:2011, EN 61000-3-2:2014, EN 61000-3-3:2013, EN 55014-2: 2015, EN 60730-1:2011, EMC Directive 2014/30/EU, LVD Directive 2014/35/EU

2. Installation

2.1 Installation safety instructions

The unit must be installed by a suitably qualified person in accordance with the latest IEE Wiring Regulations. Isolate mains supply before commencing installation. Please read all instructions before proceeding.

Ensure that the fixed wiring connections to the mains supply is via a fuse rated at not more than 3 Amps and Class 'A' switch having a contact separation of a minimum of 3mm in all poles. The recommended cable sizes are 1.0mm² or 1.5mm². No earth connection is required as the product is double insulated but ensure continuity of earth throughout the system.

2.2 General safety instructions

This product complies with the essential requirements of the following EC Directives:

- Electro-Magnetic Compatibility Directive 2014/30/EU.
- Low Voltage Directive 2014/35/EU.
- EC Marking Directive 2014/30/EU.

Please leave the user instructions with the end user where they should be kept in a safe place for future reference.

2.3 Warning notices

WARNING: *Always isolate the ac mains supply before installing. This product must be fitted by a competent person, and installation must comply with the guidance provided in the current editions of BS767 (IEE wiring regulations) and part "P" of the building regulations.*

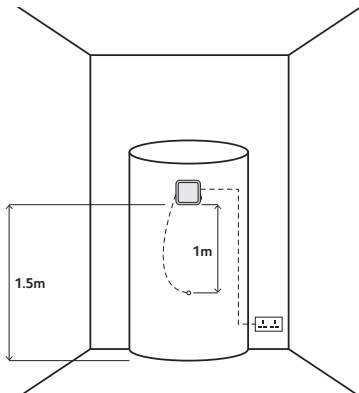
2.4 Maintenance

Always isolate the mains supply before commencing any work, servicing or maintenance on the system. And please read all instructions before proceeding.

Arrange for an annual maintenance and inspection schedule to be carried out by a qualified person on every part of the heating and hot water system.

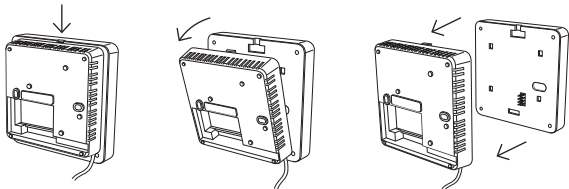
2.5 Fitting the programmable cylinder thermostat

The ideal position to locate the programmable cylinder thermostat is about 1.5m above floor level, and about 1m from the cylinder probe pocket, in a location where the thermostat is accessible, visible and free from extreme temperatures. Some cylinders allow for the thermostat to be mounted directly into the cylinder, please check with your cylinder manual for details, alternatively the thermostat can be mounted to a wall close to the cylinder, always ensuring that the temperature probe can reach the probe pocket in the cylinder.

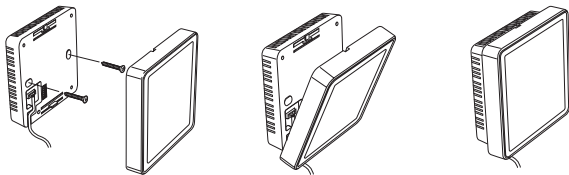


2.6 Installing the programmable room thermostat

1. Use a flat headed screwdriver to press the fastener at the top of the unit, then gently loosen from the unit, unhooking from top to bottom.



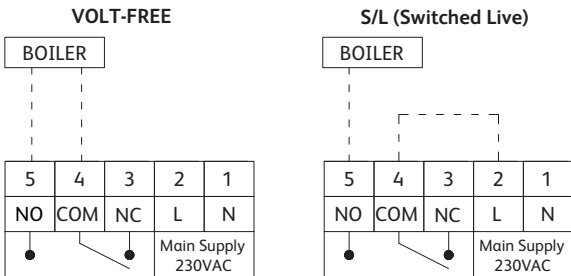
2. Fix the wall mount plate, into the cylinder itself or into a wall nearby, ensuring that the temperature probe will reach the cylinder temperature probe dry pocket.
3. Route the wires through the back of the wall mount plate. Fit the wires to the wall-plate in accordance with the relevant diagram and in accordance with I.E.E. regulations.



4. Fit the unit onto wall mount plate securing from bottom to top.
5. Ensure an appropriate fuse is fitted to the circuit before reconnecting to the mains supply (*see section 2.1 for details*)

2.7 Wiring diagram

Check your boiler wiring diagram for the connection requirements. The wiring diagram below cover the most common connection methods. Incorrect wiring can cause damage to the boiler and the thermostat.



1. **N:** Mains AC Neutral
2. **L:** Mains AC Live
3. **NC:** Normally Closed
4. **COM:** Common
5. **NO:** Normally Open

3. Main settings

3.1 Menu settings

1. In the home screen, **press** and hold **◀** until the displays shows **tInE** then release to enter main menu.
2. Use the dial to choose from the options below, **press ▶** to enter desired setting. **Press ◀** to return to home screen.

tInE: Set time and date.

tEnP: Set desired temperature, use dial to select from 25.0°C -65.0°C. Default is 55°C.

NOP: Select the number of programmes, use dial to choose 2 or 3. Default is 2.

PrOG: Define programme events. *(See user manual section 6 for details).*

HYS: Set hysteresis, use dial to select between 2.0 – 15.0 °C. Default value 2.0°C.

StEr: Sterilise, legionella prevention function, use dial to turn ON or OFF. Default is OFF.

LIGH: Display illumination, use dial to turn ON or OFF. Default is OFF.

rF: RF pairing. *(See user manual section 5.8 for details).*

WIFI: WiFi pairing. *(See user manual section 5.9 for details).*

LOC: Lock screen, use dial and arrows **◀** and **▶** to set a PIN and lock screen.

RESE: Reset parameters to factory default.

We are continuously developing our products to bring you the very latest in energy saving technology and simplicity. However, should you have any questions setting up your controls please email us at **sales@esicontrols.co.uk** or for technical queries call us on our dedicated technical helpline **01280 816868**.

WARNING: Interference with sealed parts renders the guarantee void.

In the interests of continuous product improvement we reserve the right to alter designs, specifications and materials without prior notice and cannot accept liability for errors.



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