

ESRTM

# Mechanical Room Thermostat

## Installation Instructions

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## 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](http://www.esicontrols.co.uk/warranty)** for your extended warranty.

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# Installation Instructions

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## Technical data

Fixing	Easy Fit Back Plate
Sensing Element	Gas Bellows/Membrane
Switch Rating	230VAC (Volt Free)
Temperature Setting Range	10°C to 30°C
Temperature Heating Range	0.6°C to 4°C/hour
Terminal Differential	Approx 4°C
Current Rating	16(4)Amp
Switch Type	S.P.S.T
Plastic	Thermoplastic, flame retardant
Protection Rating	IP30
Dimensions	83mm(L) x 83mm(W) x 35mm(D)
Complies with:	EN60730-1 EN 60730-2.7, EMC Directive 2004/108/EC, LVD Directive 2006/95/EC

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# 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 6 amps and class 'A' switch having a contact separation of a minimum of 3mm in all poles. The recommended cable sizes are 1.0mm sq or 1.5mm sq. No earth connection is required as the product is double insulated but ensure continuity of earth throughout the system.

## General Safety Instructions

This product complies with the essential requirements of the following

EC Directives:

- Electro-Magnetic Compatibility Directive 2004/108/EC
- Low Voltage Directive 2006/95/EEC
- EC Marking Directive 93/68/EEC

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

## Maintenance

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

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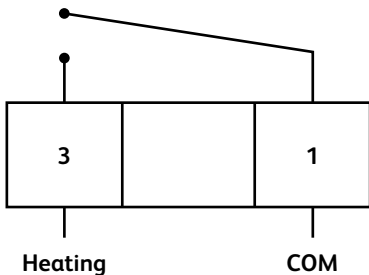
Arrange for an annual maintenance and inspection schedule to be carried out by a competent person on every part of the heating and hot water system.

## Safety Notice

### **WARNING!**

*Always isolate the AC mains supply before installing. this product must be fitted by a qualified 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.*

## Wiring Diagram

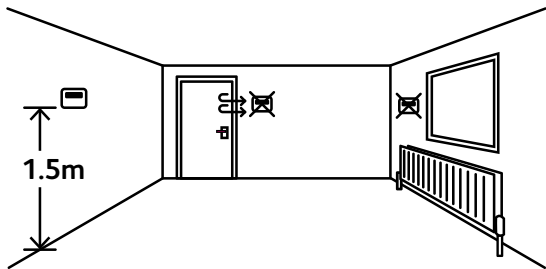




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## Fitting the Mechanical Room Thermostat

The ideal position to locate the Mechanical Room Thermostat is about 1.5m above floor level, in a location where the thermostat is accessible, reasonably lit and free from extremes of temperature and draughts. Do not position the thermostat near sources of heat, such as radiators, lights, TV, direct sunlight or on an outside wall.



### Installation

1. Remove the front cover using a flat screwdriver and separate from back plate.
2. Fix the back plate directly onto the wall using suitable wall plugs and screws or mount over existing wall box.
3. Complete the connections in accordance with the wiring diagram on page 8.
4. Replace the thermostat onto the back plate. The Mechanical Room Thermostat is now installed.

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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](mailto:sales@esicontrols.co.uk)**.

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**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.



Energy Saving Innovative Controls Limited  
[www.esicontrols.co.uk](http://www.esicontrols.co.uk)

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