

ESRTD2

# Digital 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	Electronic
Power Supply	2 x AA/1.5V Alkaline Batteries (LR6, MN1500 type)
Switch Action	3(1)A 230VAC
Temperature Setting Range	5°C to 30°C
Current rating	Maximum 3(1)Amp
Terminal Differential	<0.6°C at 4°/hour
Switch Type	Volt Free SPDT
Dimensions	L: 85mm x H: 85mm x D: 35mm
Complies with	EN60730-1, EN60730-2.7, 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..

## **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 competent person on every part of the heating and hot water system.

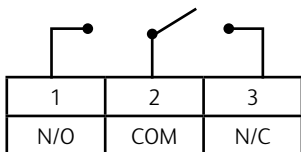
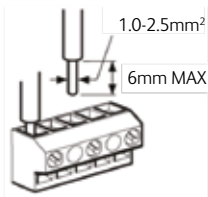
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## Safety Notice

### **WARNING!**

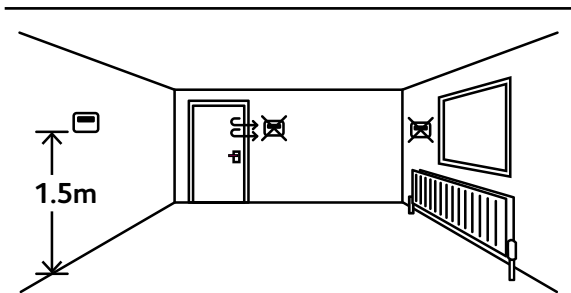
*Always isolate the AC mains supply before installing. this product must be fitted by a qualified person, and installation must comply with the guidance provided in the current editions of BS767 (IEE wiring regulations) and part "P" of the building regulations.*

## Wiring Diagram



**N.B.** *Volt free contacts*





### Mounting the Digital Room Thermostat

1. Position the Thermostat 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.
2. Loosen the screws on the back-plate and remove from the thermostat.
3. Fix the back-plate, terminals at the top, either directly onto a flat wall using wall plugs and screws or on a flush mounting single conduit box. Route the wires through the back of the thermostat and fit the wires to the wall-plate in accordance with the relevant diagram shown overleaf and in accordance with I.E.E. regulations
4. Select personal options by referring to DIP switch menu (See page 10).
5. Fit the thermostat onto back-plate, and tighten the screws.
6. Ensure an appropriate fuse is fitted to the circuit before reconnecting to the mains supply (3 Amp usually).

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## DIP Switch Settings - Heating

		HEAT
COMP DELAY (TPI) OFF		COMP DELAY (TPI) ON
6 CYCLES		3 CYCLES
°F		°C

### Heating Mode

Option to switch to:

1. Chronoproportional (Chrono)
2. 3 or 6 cycles (Chrono on only)
3. °F or °C

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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)**.

**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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