

ESRTM

# Mechanical Room Thermostat

## User Instructions

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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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# What is a Mechanical Room Thermostat?

## **An explanation for householders**

A room thermostat simply switches the heating system on and off based on room temperature. It works by sensing the air temperature, switching on the heating when the air temperature falls below the thermostat setting and switching it off once this set temperature has been reached.

Turning a room thermostat to a higher setting will not make the room heat up any faster. How quickly the room heats up depends on the design of the heating system, for example, the size of the boiler and radiators. Neither does the setting affect how quickly the room cools down.

Turning a room thermostat to a lower setting will result in the room being controlled at a lower temperature, and saves energy. The heating system will not work if a time switch or programmer has switched it off. The house insulation quality is a key factor in heating control. The way to set and use your room thermostat is to find the lowest temperature setting that you are comfortable with, and then leave it alone to do its job. The best way to do this is to set the room thermostat to a low temperature – say 18°C and then turn it up until you are comfortable with the temperature (20°C is the usual preferred set point). You won't have to adjust the thermostat further. Any adjustment above this setting will waste energy and cost you more money.

If your heating system is a boiler with radiators, there will usually be only one room thermostat to control the whole house (but building regulations Part L require houses above

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a certain size to have more than 1 heating zone). Room thermostats need a free flow of air to sense the temperature, so they must not be covered by curtains or blocked by furniture. Nearby electric fires, televisions, wall or table lamps may prevent the thermostat from working properly. Also keep out of direct sunlight.

**N.B.** Some thermostats can be used for cooling as well as heating (SPDT).

### **Introduction to the ESRTM**

This mechanical room thermostat is an economical and simple to use room thermostat. Simply turn the mechanical control dial to your desired temperature to control your room temperature.

This unit also produces an audible “click” when you turn the dial past the current temperature so you know when the system is being turned ON or OFF. This mechanical 2 wire thermostat is very easy to install and having volt free contacts is suitable for systems with either a combination or normal boiler. If you have a three wire installation, simply cut back and make safe the neutral and this two wire thermostat will give you years of faithful service.

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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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