

# SALUS

## Electronic Room Thermostat



**Instruction Manual**  
**Model No RT200**



## PRODUCT COMPLIANCE

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

## SAFETY INFORMATION

These instructions are applicable to the Salus Controls model stated on the front cover of this manual only, and must not be used with any other make or model.

These instructions are intended to apply in the United Kingdom only, and should be followed along with any other statutory obligations.

This accessory must be fitted by a Competent person, and installation must comply with the guidance provided in the current editions of BS7671 (IEE Wiring Regulations) and Part 'P' of the Building Regulations. Failure to comply with the requirements of these publications could lead to prosecution.

**Always isolate the AC Mains supply before carrying out any work on the RT200 thermostat.**

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

## INTRODUCTION

A thermostat is a device that is used to switch the heating system in your home on and off as needed. It works by sensing the air temperature and switching on the heating when the air temperature falls below the thermostat setting, and switching it off once the set temperature has been reached.

The RT200 from Salus Controls is a stylish and accurate electronic thermostat with a large, easy to adjust setting dial. The thermostat has been specifically designed to be used in 230V AC heating applications.



### Features

- Simple to use
- Large dial
- Stylish Casing
- LED heat call indicator
- Temperature range between 5 °C and 35 °C

## OPERATION

The RT200 is adjusted very easily by turning the rotary dial on the front of the thermostat to the required temperature setting. To adjust the set temperature, turn the rotary dial to the left to set a lower temperature, or to the right to set a higher temperature.

The Light Emitting Diode (LED) on the front panel will light when the temperature is below the set value, showing that the thermostat is calling for heat from the boiler. Once the room reaches the set temperature, the LED will turn off and the RT200 will stop calling for heat from the boiler.



## INSTALLATION

Please read the important safety information at the start of this manual before you begin to install the thermostat.

The ideal position to locate the RT200 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 mount the thermostat on an outside wall, above a radiator or in a location where it may be subjected to direct sunlight.

The electrical connections to the RT200 are made to the supplied industry standard backplate. This simplifies installation, as no connections are made to the controller itself. Connection details are shown below - no Earth connection is required for the correct and safe operation of the RT200, but a parking terminal is provided to connect an Earth wire if one is present.

### Backplate Connections

Terminal	Description	Backplate
N	Mains Neutral	 The diagram shows a rectangular backplate with four terminals at the top. From left to right, they are labeled N, L, SL, and Earth. The Earth terminal is represented by a square symbol with a vertical line and three horizontal lines below it. Wires are shown connected to each terminal. The L and SL terminals are connected to a switch mechanism in the center of the backplate.
L	Mains Live	
SL	Switched Live (Normally Open Contact)	
	Earth Parking (no electrical connection)	

After installing the backplate in a suitable location, wiring connections can be made as shown above. The following criteria apply to the installation:

- The incoming AC mains supply should be 230V AC and fused at 5 amps.
- Optimum cable size for installation is 1.5 mm<sup>2</sup>; wiring colours should be in accordance with the current requirements of the IEE Wiring Regulations.
- Cable entry should be from the rear of the backplate.
- All wiring connections should be securely made, and be firmly gripped beneath the square brass washer on each terminal.

Do not restore the mains supply to the system until all associated items are fully installed.

**NOTE:** All electrical installation work should be carried out by a suitably qualified Electrician or other competent person. If you are not sure how to install this thermostat consult either with a qualified electrician, heating engineer or your boiler / heating system supplier for advice on how to continue.

**Do not remove or refit the RT200 onto the backplate without the mains supply to the system being isolated.**

## ENERGY TIP

One way to set and use your room thermostat is to find the lowest temperature setting that you are comfortable with, and then leave it set at this temperature. You can do this by setting the room thermostat to a low temperature, (for example 17 °C) and then increasing the setting by one degree each day until you are comfortable with the room temperature - you won't have to adjust the thermostat further, as adjustment above this setting will waste energy - a 1 °C increase in temperature is equal to 3% of your heating costs.

## MAINTENANCE

The RT200 thermostat requires no special maintenance. Periodically, the outer casing can be wiped clean using a dry cloth (please DO NOT use solvents, polishes, detergents or abrasive cleaners, as these can damage the thermostat).

There are no user serviceable parts within the unit; any servicing or repairs should only be carried out by Salus Controls or their appointed agents.

Should the RT200 thermostat fail to function correctly, check:

- The RT200 temperature has been set correctly.
- Heating system time switch or programmer is switched on.

## WARRANTY

Salus Controls warrants that this product will be free from any defect in materials or workmanship, and shall perform in accordance with its specification, for a period of two years from the date of purchase. Salus Controls sole liability for breach of this warranty will be (at its option) to repair or replace the defective product.

## PRODUCT SPECIFICATION

Model:	RT200
Type:	Surface mounted electronic room thermostat designed for 230V AC heating applications.

### Switching

Switching Voltage:	230V AC / 50Hz
Switching Current:	3A resistive, 1A inductive
Contact Type:	Single Pole Single Throw (SPST)

### Temperature

Range:	5 °C to 35 °C
Accuracy:	± 1 °C at 25 °C

### Environment

Operating Temperature:	0 °C to + 50 °C
Storage Temperature:	- 20 °C to + 55 °C

# RT200 Warranty

Salus Controls warrants that this product will be free from any defect in materials or workmanship, and shall perform in accordance with its specification, for a period of two years from the date of purchase. Salus Controls sole liability for breach of this warranty will be (at its option) to repair or replace the defective product.

Customer Name: .....

Customer Address: .....

.....

Post Code: ..... Tel No: .....

Email: .....

Engineers Company: .....

Tel No: .....

Email: .....

Intallation Date: .....

Engineers Name: .....

Engineers Signature: .....



PRODUCER:

SALUS Controls Plc Units 8-10 Northfield  
Business Park Forge Way, Parkgate,  
Rotherham S60 1SD, United Kingdom

[www.saluscontrols.com](http://www.saluscontrols.com)