$\mathsf{\bigcirc}$ SALUS

Electronic Room Thermostat

WARRANTY 2 YEARS

$\mathsf{\bigcirc}$ SALUS®

Instruction Manual
Model No RT100

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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 RT100 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 RT100 from Salus Controls is a stylish and accurate mechanical thermostat with a large, easy to adjust setting dial. The thermostat has been specifically designed to be used Volt Free.

Features
- Simple to use
- Large dial
- Stylish Casing
- Volt Free contacts
- Two wire installation
- Temperature range between 10 ºC and 30 ºC

OPERATION

The RT100 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.

INSTALLATION

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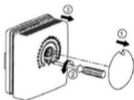
Location

The ideal position to locate the RT100 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 RT100 can be mounted onto a back box, pattress or directly to the wall.
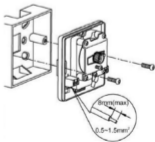
Preparing for Installation

The electrical connections to the RT100 are made inside the case. To gain access to the wiring terminals, first remove the setting dial by gently pulling it forwards. After removing the dial, undo the case securing screw with a small crosshead screwdriver; you will now be able to pull the case forwards to remove it.

Preparing for Electrical Connection

After passing the wiring through the cable entry point, the RT100 can be secured into position by the use of two screws.

The terminals in the RT100 will accept conductor sizes between 0.5 mm2 – 1.5 mm², and the cable ends should be stripped of no more than 8mm of insulation.

ELECTRICAL CONNECTIONS

Terminal	Description	Wiring Diagram
N	Mains Neutral	
L	Mains Live	
COM	Common	
NO	Normally Open Contact	
NC	Normally Closed Contact	
NO contact is used for heating;		
NC contact for cooling		

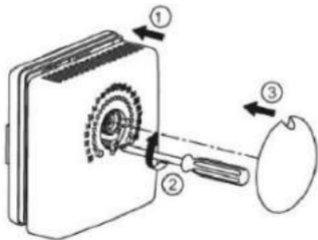Do not restore the mains supply to the system until all associated items are fully installed.

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.

REASSEMBLING THE THERMOSTAT

Reassembly of the RT100 is very straightforward; just a reversal of the steps taken earlier. Refit the cover and secure with the securing screw, and refit the setting dial: do not force the dial - it will only locate in one position.

Do not remove or refit the cover of the RT100 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

TThe RT100 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 RT100 thermostat fail to function correctly, check:

• The RT100 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: RT100

Type: Surface mounted mechanical room thermostat designed for volt free heating applications. heating applications.

Switching

Switching Voltage:	230V AC / 50Hz
Switching Current:	1A inductive
Contact Type:	Volt Free

Temperature

Range:	5 ºC to 35 ºC
Differential:	0.5ºC to 0.8º

Environment

Operating Temperature:	0 ºC to + 50 ºC
Storage Temperature:	- 20 ºC to + 55 ºC

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Customer Name: ....

Customer Address: ....

....

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

Email: ....

Engineers Company: ....

Tel No: ....

Email: ....

Intallation Date: ....

Engineers Name: ....

Engineers Signature: ....

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