

# SANGAMO



## CHOICE RSTAT 3

### INSTALLATION / USER INSTRUCTIONS

#### DIGITAL ROOM THERMOSTAT (2 WIRE, BATTERY POWERED)

The Choice Rstat 3 room thermostat has been designed to bring you comfort and energy economy.

In addition to OFF/ON control the unit provides the option to regulate your heating system at 2 temperature levels:

- Comfort 
- Economy 

#### Features

- LCD display shows room temperature
- OFF/ON mode selectable
- Comfort/Economy mode selectable
- Frost protection
- Battery low indication
- Large easy to adjust dial



#### Technical Data

Power supply:	2 Alkaline batteries 1.5V (type AA)
Contact rating:	3A, 250Vac. (Volt free changeover contact)
Power reserve:	1 year
Temperature adjustment range:	5-30°C
Temperature frost protection:	5°C (Non adjustable)
Temperature display range, scale:	3 to 51°C, 1°C
Operating temperature:	0 to 50°C
Storage temperature:	10-60°C
Switching differential:	+/- 1°C
Protection rating:	IP21
Wire size:	0.5-1.5mm <sup>2</sup>
Dimensions:	86mm x 86mm x 32mm
Complies with:	EN60730-1, EN60730-2-9, EMC directive 2004/108/EC, LVD directive 2006/95/EC

If you have a problem or require any further information please contact us:  
**01475 745131**

#### SERVICE AND WARRANTY

Your product is not user serviceable. **PLEASE DO NOT TRY TO DISMANTLE THE UNIT.** This product is guaranteed by your supplier for 5 years from the date of manufacture. If it should become defective please contact your installer or supplier for a replacement unit or visit [www.sangamo.co.uk/returns](http://www.sangamo.co.uk/returns)

This product must meet Waste Electronic and Electrical Equipment Regulations (WEEE) for suitable environmental recycling, recovery and/or disposal. End of life products should be handled in line with local regulations. Alternatively return end of life product to Sangamo for correct disposal.

#### CUSTOMER CARE POLICY

As part of Sangamo's continuous improvement program, the company operates a Customer Care policy. This means we welcome your comments and complaints, as it can help us to improve our services to you, our customer.

Due to our policy of continuous product improvement and development, the specifications in this guide may be subject to change without prior notice.

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## Installation

This unit must be installed by a suitable competent person in accordance with the latest IEE wiring regulations.

Fig. (1)

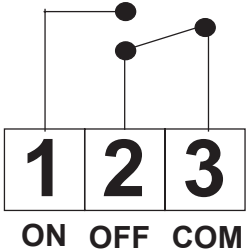
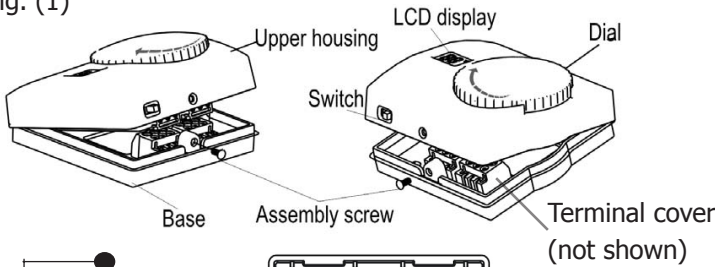


Fig. (2)

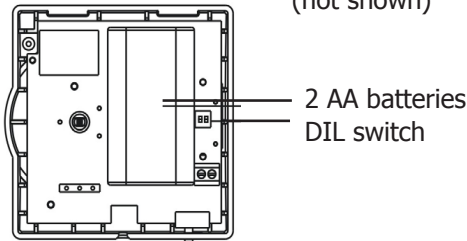


Fig. (3)

1. Loosen assembly screw from the base of the thermostat. Gently pull the thermostat from its base. See fig. (1)
2. Using mounting screws provided secure the base directly to the wall or the patch box.
3. The ideal location is for the thermostat to be situated around 1.3m above the floor on an interior wall, away from direct sunlight, heat sources and drafts.
4. Unscrew terminal cover.
5. Feed wiring in through the back of the base and connect the terminal screws as shown in wiring diagram. See fig. (2)
6. Screw back on terminal cover
7. Fit two fresh AA alkaline batteries in the battery compartment of the thermostat. Check LCD to confirm correctly fitted. See fig. (3)
8. Check configuration of the thermostat is correct, see configuration.
9. Locate the thermostat onto its base and secure the assembly screw.

## Configuration

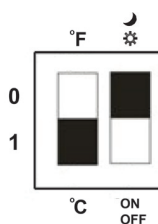
Slide the DIL switch to the settings required. Location is shown in fig. (3) and detailed in fig. (4).



### Select °C and °F readout (Default °C)

Set the switch to °C, temperature in the display will be shown °C readout.




Set the switch to °F, temperature in the display will be shown °F readout.

Fig. (4)



Select **ON** or  **switch function**  
**OFF** or  (default ON/OFF).

**ON**  
**OFF** Switch at the base of the thermostat is used as an ON/OFF switch.

 Switch at the base of the thermostat is used to switch between  comfort mode and  economy mode.

## User Instructions

### Display

The LCD displays actual room temperature until the setting dial is moved.

### Setting the temperature

Turn setting dial to required temperature. The selected temperature will **'flash'** in the LCD to signify it is showing the **set temperature**. After a short period the display stops flashing and shows **actual room temperature**.

### Thermostat status

A flame symbol will be lit whenever the thermostat is calling for heat.

### Low battery indication



A battery symbol will flash in the display when batteries require replacement.

Batteries should be replaced within 15 days, after which the thermostat will turn off the load it is controlling. When this happens "OF" will be displayed.



The function of the switch at the base of the thermostat has 2 mode options. See 'configuration section' for DIL switch setting



When the switch is set to , the thermostat controls at the temperature set by the dial. When the switch is set to the , the thermostat controls at 4°C below the temperature set by the dial.

### ON | OFF Setting

The switch is used as ON/OFF control. When the switch is set to "ON", the thermostat controls at the temperature set by the setting dial.

When set to "OFF", the thermostat output and therefore the heating system is turned OFF and "OF" is displayed.

### Error Code

E1 flashing in the display: Room sensor short circuit. Thermostat shuts down its output.

E2 flashing in the display: Room sensor broken. Thermostat shuts down all its output.

### Temperature Notes

If the room temperature is higher than 30°C. The heating will stop working.

If the room temperature is lower than 5°C. The heating will start working (Frost Protection).