

RET1000 and RET2000

High performing, energy saving electronic room thermostats

- A range of dial setting and digital electronic room thermostats
- Available in hard wired and wireless versions
- Selectable chrono-proportional or on/off control
- Output 'ON' indication
- User set upper and lower temperature limits



10%

potential savings

A room thermostat with the chrono-proportional feature offers reductions of 10% in fuel costs.



Intelligent Room Thermostats

RET1000 and RET2000

RET1000 Models

RET1000 smart room thermostats combine a sleek modern design with high performing energy saving controls.

The well-proportioned dial and clear temperature scale makes setting easy, including an easy to set upper and lower temperature limiting feature. All RET1000 thermostats include stylish backlit LED icons providing clear indication of power and output status.

As well as standard on/off control the user can select to benefit from chrono-proportional control. Chrono-proportional control significantly improves comfort and generally improves boiler efficiency by optimising flow/return temperature.

RET2000 Models

RET2000 digital room thermostats combine a sleek modern design with high performing energy saving controls and are available as either hard-wired or wireless versions.

Incorporating a generous, easy to read display that clearly shows the room temperature and output status of the thermostat. Further enhanced by an inbuilt backlight, this thermostat is also ideal for those with poorer eyesight or where the location is dimly lit. Like the RET1000, the RET2000 also benefits from selectable on/off and chrono-proportional control. Chrono-proportional control significantly improves comfort and generally improves boiler efficiency by optimising water temperature.

Additional features include settable upper and lower temperature limits as well as push button lock to avoid tampering. If preferred the temperature display can also be set to show °F. The RET2000 also has the option to be set as a cooling device, reversing the output logic and including compressor delay settings.

Included in the RET2000B-RF is a remote sensor input which can be configured for a number of applications.

Product Conversion Tables

New Part	Can Replace
RET1000MS	RET230, RET230L
RET1000M	RET230VF, RET230VF2
RET1000MD	RET-MD
RET1000B	New

New Part	Can Replace
RET2000MS	RET230LS
RET2000M	RET-M
RET2000MD	RET-MD
RET2000B	RET-B, RT51, RET-B-LS
RET2000B-RF + RX1-S	RET-B-RF + RX1

Notes: RET2000B-RF + RX1-S is not backward compatible with RET-B-RF + RX1, in case of replacement, both thermostat and receiver will require changing.



RET1000B/M/MS/MD

- **Selectable chrono-proportional or On/Off control**
- **User set upper and lower temperature limits**
- **Output 'ON' indication**
- **Power indication**

RET2000B/M/MS/MD/RF

- **Chrono-proportional or On/Off control**
- **User set upper and lower temperature limits**
- **Output 'ON' indication**
- **Push button lock**
- **Cooling option with compressor delay**
- **°C or °F selectable display**

Features	RET1000 and RET2000 Room Thermostats			
Hard-wired models Code No.	RET1000MS	RET1000M	RET1000MD	RET1000B
	087N645200	087N645000	087N645400	087N645100
	RET2000MS	RET2000M	RET2000MD	RET2000B
	087N644200	087N644000	087N644500	087N644100
Wireless models				RET2000B-RF
Code No. – without receiver				087N644300
Code No. – for set c/w single channel receiver				087N644400
Power Supply	230Vac, 50/60Hz			2xAA batteries
Output	230Vac	Volt free		
Setting Temperature Range	5-30 °C			
Operating Temperature Range	0-45 °C			
Switch Rating (Hard-wired models)	3A at 230Vac			
Switch Type (Hard-wired models)	SPDT type 1B			
Transmitter Frequency (Wireless models only)	N/A			433.92MHz
Transmitter Range (Wireless models only)	N/A			30 metres ¹
Battery Lifetime	N/A			Min. 2 years
IP Rating	IP20			
On/Off Control	Yes			
Chrono-proportional Control	Yes			
Delayed Start	No		Yes	No
Remote Sensor Input	N/A			Yes (RET2000B-RF only)
Dimensions (mm)	H84 x W84 x D37			

¹ Ensure there are no large metal objects between the thermostat and receiver as this will interfere with radio signal. Range within a building typically 30metres dependent on construction.

Receiver	RX1-S
Code No.	087N777300
Number of zones receiver covers	1
Power supply	230Vac 50/60Hz
Output Relay	SPDT type 1B
Relay Rating	3A (1) at 230Vac
IP Rating	IP40
Dimensions (mm)	H84 x W84 x D28