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.

### Features

<table>
<thead>
<tr>
<th>RET1000B/M/MS/MD</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Selectable chrono-proportional or On/Off control</td>
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<td>User set upper and lower temperature limits</td>
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<tr>
<td>Power indication</td>
<td>Push button lock</td>
</tr>
<tr>
<td>°C or °F selectable display</td>
<td>Cooling option with compressor delay</td>
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### 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, RET-LS
RET2000B-RF + RX1-S | RET-B-RF + RX1

**Notes:** RET2000B-RF + RX1-S is not backward compatible with RET-8-RF + RX1, in case of replacement, both thermostat and receiver will require changing.

### Receiver Conversion Tables

<table>
<thead>
<tr>
<th>RX1-S</th>
<th>Code No.</th>
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</thead>
<tbody>
<tr>
<td>087N777300</td>
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</table>

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

### Additional Features

- **RET1000B/M/MS/MD**
  - Hard-wired models
    - Code No. 087N645200, 087N645000, 087N645400, 087N645100
  - Wireless models
    - Code No. 087N644200, 087N644400, 087N644500, 087N644100

- **RET2000B/R-MS/MD/RF**
  - Output 230Vac Volt free
  - Switch Rating (Hard-wired models) 3A at 230Vac
  - Switch Type (Hard-wired models) SPDT type 1B
  - Transmitter Frequency (Wireless models only) 433.92MHz
  - Transmitter Range (Wireless models only) 30 metres
  - Battery Lifetime 30 metres
  - IP Rating IP20
  - On/Off Control Yes
  - Chrono-proportional Control Yes
  - Remote Sensor Input N/A
  - Dimensions (mm) H84 x W84 x D37

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