### Operating instructions

The BPS242RF is a programmable room thermostat that switches between two temperatures known as Sun (comfort) and Moon (energy saving) which you could describe as on and off. On being the higher temperature (Sun) and off being a lower temperature (moon). Note the moon setting can be as low as 5°C.

<table>
<thead>
<tr>
<th>Display</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Display" /></td>
</tr>
</tbody>
</table>

- **Indicates when there is demand for heat**
- **Replace batteries**
- **Frost protection**: The unit is controlling continuously to the frost protection temperature at 5°C
- **Energy saving mode**: The unit is controlling continuously to the energy saving temperature
- **Comfort mode**: The unit is controlling continuously to the comfort temperature
- **Automatic mode**: The unit is controlling to the selected time and temperature programs.

<table>
<thead>
<tr>
<th>Setting knob</th>
</tr>
</thead>
<tbody>
<tr>
<td>Warmer / colder for selecting the temperature</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>Battery compartment</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 alkaline batteries type AA, 1.5 V</td>
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</table>

<table>
<thead>
<tr>
<th>Operating mode selector</th>
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</thead>
<tbody>
<tr>
<td>This slider determines how the thermostat operates</td>
</tr>
<tr>
<td><strong>AUTO</strong></td>
</tr>
<tr>
<td><strong>T 0</strong></td>
</tr>
<tr>
<td><strong>T C</strong></td>
</tr>
<tr>
<td><strong>RUN</strong></td>
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<table>
<thead>
<tr>
<th>Programming selector</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Time selector</strong></td>
</tr>
<tr>
<td><strong>A1</strong></td>
</tr>
<tr>
<td><strong>A2</strong></td>
</tr>
<tr>
<td><strong>A3</strong></td>
</tr>
<tr>
<td><strong>A4</strong></td>
</tr>
<tr>
<td><strong>T 0</strong></td>
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<tr>
<td><strong>T C</strong></td>
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<td><strong>RUN</strong></td>
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### BPS242RF

This leaflet provides you easy-to-follow instructions on how to set-up your BPS242RF programmable room thermostat.

### Contents
- Commissioning
- Initial power up
- How do I set the Clock
- How do I set the ON and OFF times
- How do I set the comfort (ON) temperature
- How do I set the energy saving (OFF) temperature
- How do I Change batteries
- Configuration instructions for the BOSS BR1 (Wireless RF version only)
- Energy savings tips

### Commission
- Remove the black transit tabs from the alkaline batteries.
- Check to see if the battery holder is in the correct position.
- If no batteries are inserted, fit 2 alkaline batteries type AA in the battery compartment.

### Initial power-up
- Once batteries are fitted all symbols will be displayed on the display screen as shown for around 2 seconds.

### Set Clock
1. Move the vertical slider to position  
2. The current time setting flashes.
3. Turn the setting knob counterclockwise to decrease the time, or clockwise to increase the time.
4. When the correct time is displayed move the programming vertical slider to any other position to confirm your setting.
2. Temporarily change current setpoint
   1. Set the programming selector to position A1. The setting for the first switch on time flashes.
   2. Turn the setting knob counterclockwise to decrease the time, or clockwise to increase the time.
   3. When the required switch on time is displayed, move the programming selector to any other position to confirm the setting.

3. Set the first switch off time
   1. Set the programming selector to position A2. The setting for the first switch off time flashes.
   2. Turn the setting knob counterclockwise to decrease the time, or clockwise to increase the time.
   3. When the required switch off time is displayed, move the programming selector to any other position to confirm the setting.

4. Set the second switch on time
   1. Set the programming selector to position A3. The setting for the second switch on time flashes.
   2. Turn the setting knob counterclockwise to decrease the time, or clockwise to increase the time.
   3. When the required switch on time is displayed, move the programming selector to any other position to confirm the setting.

5. Set the second switch off time
   1. Set the programming selector to position A4. The setting for the second switch off time flashes.
   2. Turn the setting knob counterclockwise to decrease the time, or clockwise to increase the time.
   3. When the required switch off time is displayed, move the programming selector to any other position to confirm the setting.

6. Set comfort temperature
   1. Set the programming selector to position T°C. The setting for the current comfort temperature flashes.
   2. Turn the setting knob counterclockwise to decrease the temperature setting, or clockwise to increase the temperature setting.
   3. When the required comfort temperature is displayed, move the programming selector to any other position to confirm the setting.

7. Set energy saving temperature
   1. Set the programming selector to position T°C. The setting for the current energy saving temperature flashes.
   2. Turn the setting knob counterclockwise to decrease the temperature setting, or clockwise to increase the temperature setting.
   3. When the required energy saving temperature is displayed, move the programming selector to any other position to confirm the setting.

   Note: Set the controller to RUN when all programming is completed.

Changing the batteries
1. Get 2 new alkaline batteries type AA, 1.5 V.
2. Within 1 minute: Remove the battery holder, then the batteries, insert the new batteries and replace the battery holder. The old, set values must be checked!
3. Properly dispose of old batteries per environmental regulations.

Receivers
LED Signal Indicator
- The signal is good when the LED is solid green.
- A solid red LED indicates that there is no signal.

Note: When SET is pressed, the RF signal will not affect the output for 15 min. After 15 min the output and LED will not change if no RF received. If RF received, output and LED will follow the RF data.

Room Unit: (Rear View)
(Transmitter)
- Mounting plate must be removed to get access to the back!
- Learn Button: Press to learn.
- TEST Button: Press and hold this button to reset the Receiver to factory default settings.

Configuration instructions for the BOSS BPS242RF
The Transmitter BPS242RF room unit and the receiver BR1 are set to communicate (bonded) with each other at the factory. If they fail to do so at installation or it is necessary to re-bond the units due to loss of communication please follow the following instructions.
1. For room unit: Set the programming switch to RUN and the selector switch to AUTO.
2. If room unit is wall mounted remove from wall or if on table stand remove grey backing plate
3. For receiver, Reset by pressing the RESET button for 4 seconds.
4. On Receiver Press and release the SET button. This puts the receiver in learn mode.
5. On room unit Press and release the LEARN button on the back.
6. A green solid LED indicates a good signal, a red solid LED indicates no signal.
7. To test transmission, press the TEST button on the transmitter, this switches the relay to ON on the receiver regardless of temperature. The RF TEST symbol appears on the display (1 s).
8. An orange LED indicates that the relay is on.

Energy saving tips without sacrificing comfort
- Do not allow room temperatures to exceed 21 ºC.

NOTE: You can press the SET button on the receiver to manually switch ON/OFF for a faulty room unit or transmission signal.