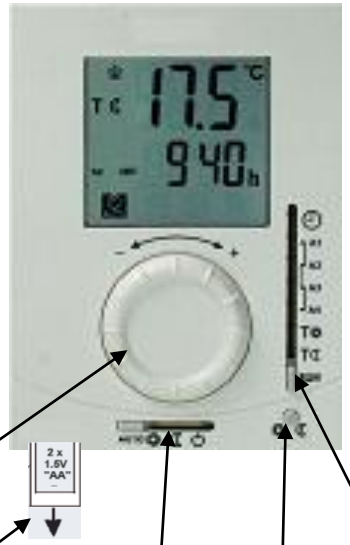
Operating instructions

BPS242RF

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.

Display

	Actual room temperature in ºC
T ☼	The unit is controlling to the selected comfort temperature
T ☾	The unit is controlling to the selected energy saving temperature
T ⏻	The unit is controlling to the frost protection temperature at 5 ºC
☝	Indicates when the temperature setpoint has been changed by the user. This setpoint will be maintained until the next switching time. This function is only active when the unit is in automatic mode.



▲	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
AUTO	Automatic mode: The unit is controlling to the selected time and temperature programs.

Setting knob
Warmer / colder for selecting the temperature

Battery compartment
2 alkaline batteries type AA, 1.5 V

Operating mode selector
This silder determines how the thermostat operates

AUTO	Automatic mode: In this position the thermostat switches at the programmed times and temperatures
☼	In this position the thermostat ignores all programmed times and runs permanently at the temperature set in T ☼
☾	In this position the thermostat ignores all programmed times And runs permanently at the temperature set in T ☾
⏻	Frost protection Thermostat runs permanently at 5°c

Advance button

Switches the operating mode from comfort to energy saving, or vice versa, until the next switching time

Programming selector

🕘	Time setting position
A1	First switch on time
A2	First switch off time
A3	Second switch on time
A4	Second switch off time
T ☼	Comfort (ON) temperature setting
T ☾	Energy saving (OFF) temperature setting
RUN	Set the controller to RUN when all programming is completed

Introduction

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

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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
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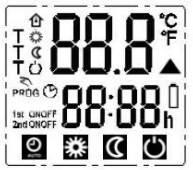
Configuration instructions for the BOSS BR1 (Wireless RF version only)
Energy savings tips

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 l slider to any other position to confirm your setting.

Set the first switch on time

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.

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.

Set the second switch on time

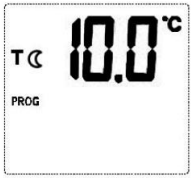
1. Set the programming selector to position A3. The setting for the second switch on time flashes.
2. Turn the setting knob counterclockwise **-** to decrease the time, or clockwise **+** to increase the time.
3. When the required switch on time is displayed, move the programming selector to any other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

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.

Set comfort temperature

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



Set energy saving temperature

1. Set the programming selector to position T ☾
2. The setting for the current energy saving temperature flashes.
3. 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.

Temporarily change current setpoint

1. The current programmed temperature can be changed temporarily when the operating mode selector is in the AUTO position and the programming selector in the RUN position.
2. Turn the setting knob slightly in either direction to display the current programmed temperature, turn it counterclockwise to decrease the temperature, or clockwise to increase the temperature .This new temperature is maintained until the next switching time. The hand symbol is displayed when activated.

Changing the batteries

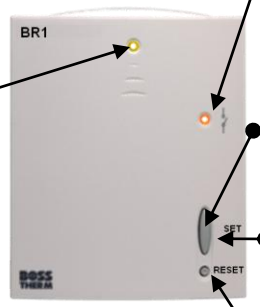
1. Get 2 new alkaline batteries type AA, 1.5 V.
2. Within 1 minute: Remove the battery holder, then the batteries, insert the new batteries and replace the battery holder. **The old, set values must be checked!**
3. Properly dispose of old batteries per environmental regulations.

Receiver

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.



LED Relay Indicator

Orange LED indicates relay is on.

SET Button *

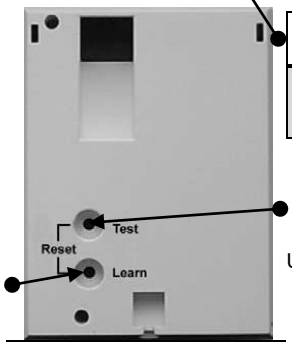
Press this button to manually override instructions from the Room Unit – Use this when there has been a loss of power to the Room Unit

RESET Button

Press and hold this button to reset the Receiver to factory default settings

Room Unit : (Rear View)
(Transmitter)

Mounting plate must be removed to get access to the back!



Learn Button
Press to learn

TEST Button

Used for testing transmission.

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.