

Mounting & wiring Instructions for the BOSS BPS242RF  
Programmable Room Thermostat

**BOSS  
THERM™**

1



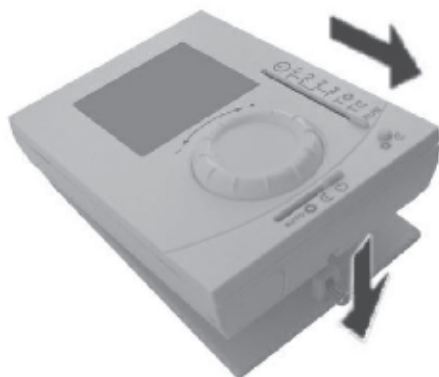
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Technical Helpline: 0870 850 0184

**Technical Details**

**RF receiver**

Power supply:	AC 230V~
Switching voltage	24...250V~
Current rating	8 (3) A
Frequency	433 MHz

**RF transmitter**

Power supply	2 x 1.5 V AA batteries
Temperature setting range	5°C to 30°C

## Mounting and Siting Notes for BPS242RF and BR1

### 1. Siting the Units

#### 1.1 BPS242RF controller/transmitter and BR1 receiver

The units should be sited such that transmitted and received signals will be disturbed as little as possible. For this reason, the following points should be observed with both the BPS242RF and BR1

- Do not mount the units on metal surfaces
- Do not mount the units near electrical wires or electronic equipment such as PCs, television sets, microwave equipment, etc.
- Do not mount the units in the vicinity of large metal structures or other construction elements with fine metal meshes like special glass or special concrete

The distance between controller/transmitter and receiver should not exceed 20m or two floors.

#### 1.2 BPS242RF controller/transmitter

The controller/transmitter can either be wall mounted or free standing (using the stand provided).

The BPS242RF should be located such that it can acquire the room temperature as accurately as possible, without being affected by direct solar radiation or other heat or refrigeration sources.

#### Mounting Instructions

The controller/transmitter can be wall mounted or table mounted with the clip on stand provided.

#### 1.3 BR1 receiver

Make certain that the mounting location is dry and protected from splash water.

The unit can be fitted to most commercially available recessed conduit boxes or directly on the wall

### 2. Check wiring

All electrical connections must comply with current regulations.

## Conformity Declaration

Hereby Siemens declares that this Room Thermostat is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

Standards according to EN 60730

Automatic action Type 1.B

Degree of pollution 2

Rated impulse voltage 4000 V



BPS242RF  
controller/transmitter



BR1  
receiver