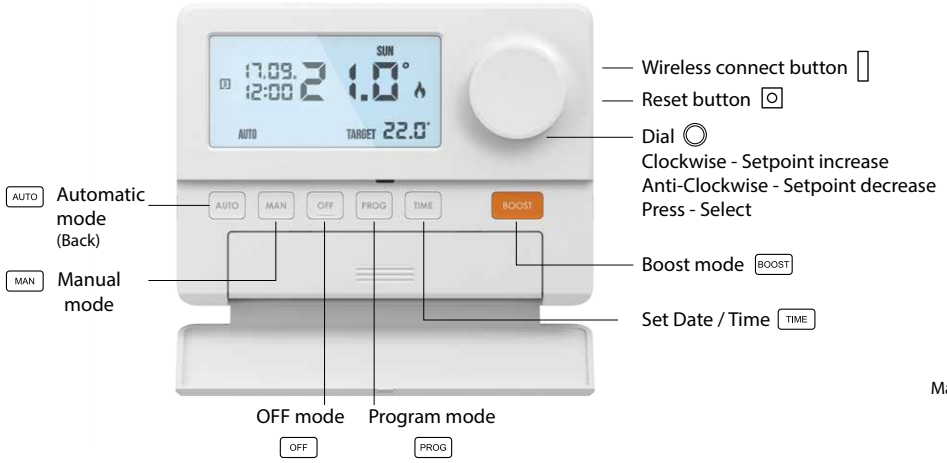
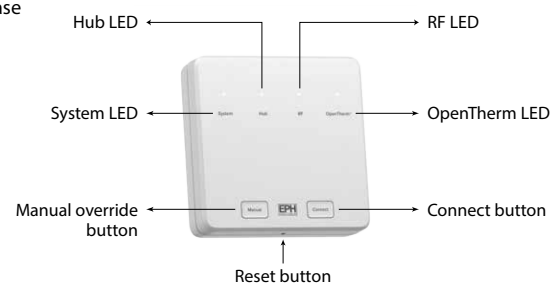
CP4D Easy User Guide

Wireless Programmable Thermostat RFRPD

Important: Keep this document

1. Button / Symbol Description





2. Setting the Date, Time and Programming Mode

Press the TIME button once, the year will begin flashing.

Rotate ◯ to adjust the year. Press ◯.

Rotate ◯ to adjust the month. Press ◯.

Rotate ◯ to adjust the day. Press ◯.

Rotate ◯ to adjust the hour. Press ◯.

Rotate ◯ to adjust the minute. Press ◯.

Rotate ◯ to adjust from 5/2d to 7d or 24h mode. See below table.

***This setting allows programming for - Mon-Fri / Sat - Sun, Mon - Sun or each day individually.**

Rotate ◯ to turn DST (Day Light Saving time) On or Off.

Press the AUTO button or wait 5 seconds and the thermostat will return to normal operation.

3. Factory Program Settings

	5/2 Day					
	P1	P2	P3	P4	P5	P6
Mon-Fri	06:30	08:00	12:00	14:00	17:30	22:00
	21°C	10°C	10°C	10°C	21°C	10°C
Sat-Sun	08:00	10:00	12:00	14:00	17:30	23:00
	21°C	10°C	10°C	10°C	21°C	10°C

	7 Day					
	P1	P2	P3	P4	P5	P6
Mon-Fri	06:30	08:00	12:00	14:00	17:30	22:00
	21°C	10°C	10°C	10°C	21°C	10°C
Sat-Sun	08:00	10:00	12:00	14:00	17:30	23:00
	21°C	10°C	10°C	10°C	21°C	10°C

	24 Hour					
	P1	P2	P3	P4	P5	P6
Everyday	06:30	08:00	12:00	14:00	17:30	22:00
	21°C	10°C	10°C	10°C	21°C	10°C

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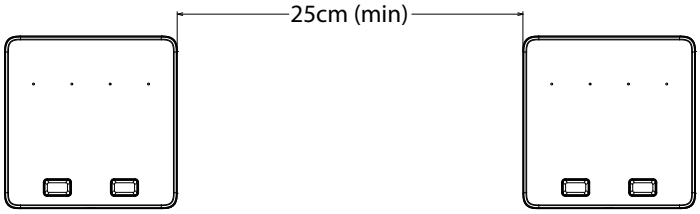
4. Important Notes

- Good quality batteries are essential to ensure the correct operation of this product. EPH recommend using Duracell or Energiser batteries.
- Do not use low quality battery brands, they can cause the following problems:
  - Stop the wireless communication with the receiver.
  - Can cause the thermostat to reset.
  - Can cause the thermostat to display the incorrect information.
- When the battery low symbol appears on the CP4D, CP4D-HW or EMBER App. The batteries should be changed.
- If a 🔒 Symbol appears on your thermostat screen hold ◯ for 10 seconds to unlock.

RF1B receiver:

- When installing multiple receivers, it is important to ensure that there is a minimum 25cm between each receiver. If they are too close, they will not be able to pair with each other.
- At least 25cm distance from any metal object such as a pipe and is at least 25cm away from any electrical or wireless device, such as a spur or socket. This is to ensure the best possible wireless connection and operating range.
- Where possible, keep the receivers in the same area of the premises to allow for stable communication.



5. How your programmable thermostat works

When the thermostat is in the AUTO mode, it will operate according to the times and temperatures that have been programmed. The user can select from 6 different programs per day - each with a time and a temperature.

There is no OFF time, only a higher and a lower temperature.

If the user wants the thermostat to be OFF at a certain time, set the temperature for this time to be low. The thermostat will turn ON if the room temperature is lower than the setpoint for the current period.

Example: If P1 is set to be 21˚C at 6am, and if P2 is set to be 10˚C at 8am, the thermostat will look for the temperature to be 21˚C between 6am and 8am.

6. 'MAN' Button: Permanent Override (Manual)

Press [MAN] button to enter the manual mode (Permanent Override), 'MAN' will appear on the screen.

Rotate ◯ to adjust the temperature setpoint.

Press ◯ or after 5 seconds the thermostat will operate in this permanent override.

To cancel permanent override, press the [OFF] button and then press the [AUTO] button to return to the automatic mode.

7. AUTO Mode

When the thermostat is in [AUTO] mode it will automatically change the temperature throughout the day according to the schedule set be the user in the [PROG] menu.

If the room temperature falls below the setpoint it will activate the heating.

Note: P6 is your overnight program. If P6 is set to 15˚C then heat will activate during the night if the heat drops below 15˚C.

If you do not want this to happen you should adjust P6 to a lower temperature.

8. Temporary Override

When in AUTO mode, rotate ◯ to adjust the temperature setpoint. 'OVERRIDE' will appear on the screen.

Press ◯ or after 5 seconds the thermostat will operate to this temperature until the next switching time.

To cancel temporary override, press the [OFF] buttton and then press the [AUTO] button to return to the automatic mode.

9. Adjusting the Program Settings (5/2d)

Press the [PROG] button once.

Programming for Monday to Friday is now selected.

Rotate ◯ to adjust the P1 time. Press ◯.

Rotate ◯ to adjust the P1 temp. Press ◯.

Repeat this process to adjust P2 to P6 times and temperatures. Press ◯.

Programming for Saturday to Sunday is now selected.

Rotate ◯ to adjust the P1 time. Press ◯.

Rotate ◯ to adjust the P1 temp. Press ◯.

Repeat this process to adjust P2 to P6 times and temperatures.

Press the [AUTO] button to return to automatic mode.

While in PROG Mode pressing the [PROG] button will jump from P1-P2 etc without changing the temperature.

While in PROG Mode pressing the [TIME] button will jump to the next day (block of days).

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10. How to connect a GW04 Gateway to the RF1B receiver

Make sure the receiver is a Hub receiver.

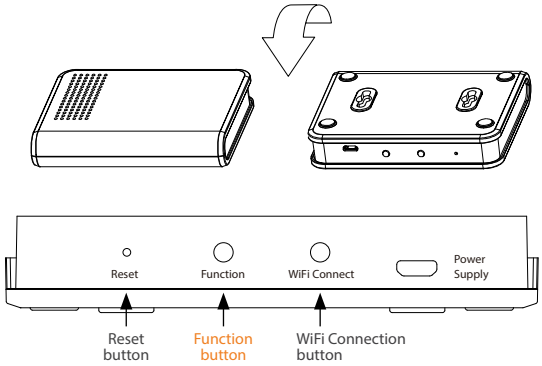
Hold Manual & Connect for 5 seconds on the RF1B receiver.

The HUB light will illuminate.

Hold Connect on the RF1B until RF LED flashes.

Hold function on GW04 until RF LED flashes.

They will stop flashing. Paring is now complete.



11. Frost Protection

Frost Symbol ❄ means that it's frost protected.

Frost protection can be set from 5°C- 15°C.

When frost protection is activated the thermostat will switch on the boiler when the temperature drops below the setpoint.

This symbol ❄ will show on the screen when frost protection is active.

Frost protection is only active in OFF and Holiday mode.

To adjust the Frost protection settings refer page 40 in the full CP4D datasheet.

12. To connect the RFRPD thermostat to an RF1B receiver

Please note, If you are installing a CP4D the RFRPD thermostat and the RF1B receiver will have a pre-established RF connection so it is not necessary to carry out the RF connection process below.

On the RF1B receiver:

Hold the Connect button for 3 seconds.

The RF light will begin to flash.

On the RFRPD thermostat:

Press the connect button on the side of the thermostat.

The thermostat will show '**nOE**' followed by '---'

Once an RF connection has been established the thermostat will show '**r01**' on the LCD screen.

Press ◯ to finish the process.

The thermostat is now connected to the RF1B receiver.

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