

1. Installer menu (with OpenTherm® connected)

P0 1 - P0 5 as per RFRP standard

P0 6: Setting DHW temperature

P0 7: OpenTherm® Information

P0 8: DHOP

P0 9: Set OpenTherm® Parameters

Exit

P0 6: Setting DHW temperature

This menu allows the installer to change the DHW temperature of the boiler. The temperature can be set in 0.5°C increments by pressing the "+" or "-" buttons.

Press the "OK" button to select the desired temperature.

This menu is only available when the thermostat is connected to OpenTherm® and DHOP is ON (P08 OT installer menu).

P0 7: OpenTherm® Information

This menu allows the installer to view information received from the OpenTherm® boiler. It may take a few seconds to load information relating to each parameter. The information that can be shown from the boiler is outlined in the table below.

Displayed on screen	Description	Remark
tSEt	Target water temp	
tFLO	Outlet water temp	
trEt	Return water temp	
tdH	DHW temperature	This is only visible if DHOP is On (P08 OT Installer menu)
tFLU	Flue gas temperature	Dependent on boiler
tEst	Outdoor temperature	Dependent on boiler
nOdU	Modulation percentage	
FLOr	Water flow	This is only visible if DHOP is On (P08 OT Installer menu)
PrES	Water pressure	Dependent on boiler

P0 8: DHOP

This menu allows the installer to activate or deactivate DHW target temperature control from the thermostat. This menu is only available when the thermostat is connected to OpenTherm®

P0 9: Set OpenTherm® Parameters

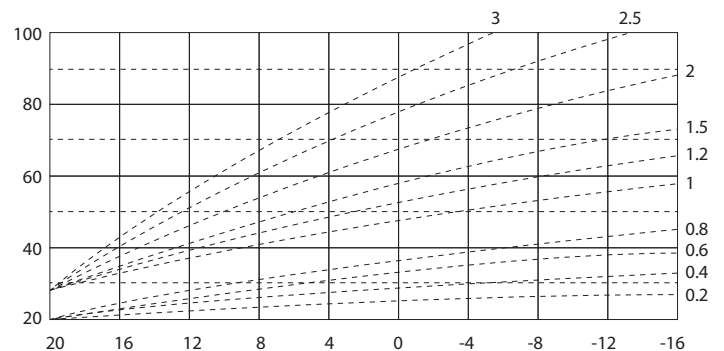
This menu allows the installer to configure the OpenTherm® parameters. To access the menu please enter the password "08" with the "+" and "-" buttons.

Press "OK" to confirm.

The parameters that can be set are outlined in the table below.

Param	Description	Range	Default
HHCH t-1	Maximum set point heating	45 - 85°C	85°C
LLCH t-2	Minimum set point heating	10 - HHCH°C	45°C
CLI t-3	This allows user to select different climatic curves for weather compensation. This only applies to Boilers with an outside sensor connected.	0.2 - 3.0	1.2
InFL t-4	Influence of room sensor on modulation of the boiler. Recommended value is 10.	0 - 20	10
HHbO t-5	This is the target setpoint for your CH flow temperature. Note: this value must be within the range of HHCH and LLCH.	HHCH Max >=ID57 >=LLCH Min	85°C
Exit	Press OK button to turn back to main interface.		

Climatic Curve



Exit:

This menu allows the installer to return to the main interface.

It is also possible to exit the installer menu by pressing AUTO, MAN or OFF whilst in the installer menu.

2. Controlling an OpenTherm® Boiler with multiple CombiPack4-OT

It is possible to have 6 CombiPack4-OT controlling 1 OpenTherm boiler. To do this it is necessary to make one of the RF1A-OT receivers into a Hub Receiver. This Hub Receiver will receive data from all of the RFRP-OT thermostats and relay this information to the boiler via OpenTherm®.

Note: The Hub Receiver should have a wired OpenTherm® connection to the boiler.

Making your RF1A-OT receiver into a Hub Receiver

1. Press the Reset button **■** RESET on the receiver that you wish to make the Hub Receiver – Red and Green lights are both solid.
2. Immediately press and hold the and buttons for 5 seconds, the red light will start blinking.
3. Press the button and the Green light will be solid – this is now the hub receiver.
4. Press the button to exit to the normal interface.

Identifying if a receiver is a Hub Receiver

1. Press the button.
2. The Hub receiver will flash Green and Red.
3. The Normal receiver will just flash Red.
4. To exit to main interface press the button.

Pairing the RF1A-OT receivers together

1. Press the button on the Hub receiver. Red and Green lights will begin to flash.
2. Press the button on the next receiver to be paired. The Red light will flash 3 times and then stop.
3. Repeat this process to pair more receivers, up to a maximum of 6 receivers.

Once all units have been paired, allow time for the receivers to begin to communicate and receive OpenTherm® information from the boiler. This may take approximately 2 – 5 minutes.

You will see the red light flash on the Hub receiver and see a corresponding flash on the other receivers paired to the Hub Receiver when they are sharing information.

You may need to pair the receivers to the thermostats again.

If so, please refer to section 17 of RFRP-OT Operating Instructions.

You can tell if your thermostat is receiving OpenTherm® information from the boiler by entering the installer menu of the thermostat (Hold Prog and OK buttons for 10 Sec) and go to P07 - Info.

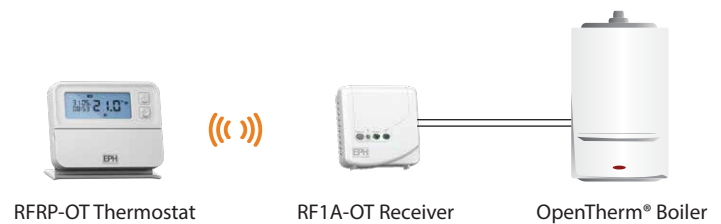
If the installer menu is only showing P01 – P05, the thermostat and/or receiver has not been successfully paired.

Disconnecting the RF1A-OT receiver from Thermostats and other Receiver

1. Press on the Receiver – the red light will flash (red and green light if using a hub receiver)
2. Press and hold for about 10sec and the receiver will then stop flashing.
3. The RF connection is now cleared.

3. System Architecture

Example A 1 no. Thermostat controlling OT Boiler



Example B 3 no. Thermostats controlling OT Boiler

Note: A maximum of 6 thermostats can be used in the system.

