



Note: If you do not wish to set the Hot Water program press the **Mode** button to return to the normal display and the Control will then be in normal operating mode for Heating.

If **HOT WATER** is selected for programming

Select programme for EACH day:

Press **+** or **-** buttons to select **P1, P2** or **Pd*** for day 1
Press **OK** to confirm program setting for day 1
Press **+** or **-** buttons to select **P1, P2** or **Pd*** for day 2
Press **OK** to confirm program setting for day 2
Repeat the procedure for days 3 to 7
Finally, Press **OK** to confirm program setting for day 7

*If **Pd** is selected – set required program:

Press **-** button repeatedly to set the required **Night** period (eg. to 06.00 - This will be shown at the bottom of display)
Press **+** button repeatedly to set the required **Day** period (eg. to 09.00 - This will be shown at the bottom of display)
Press **-** button repeatedly to set the required **Night** period (eg. to 17.00 - This will be shown at the bottom of display)
Press **+** button repeatedly to set the required **Day** period(eg. to 22.00 - This will be shown at the bottom of display)
Finally
Press **-** button repeatedly until 00.00 shows on display
Press **OK** to confirm setting

Repeat this procedure for each day of the week – the settings for each day can be different if required.

After Pressing **OK** to confirm the Hot Water program setting last weekday (day 7), the display will automatically return to the normal display – showing current room temperature, time and program settings.

The Control is now in the Normal operating mode for both Heating and Hot Water

OTHER CONTROL OPTIONS

Temperature override

The 'day' (ON) temperature setting can be altered when the control is in a 'day' (ON) period of the program. Press **+** or **-** to increase or decrease the temperature setting between 5°C and 30°C. Then press **Mode** button to quit.

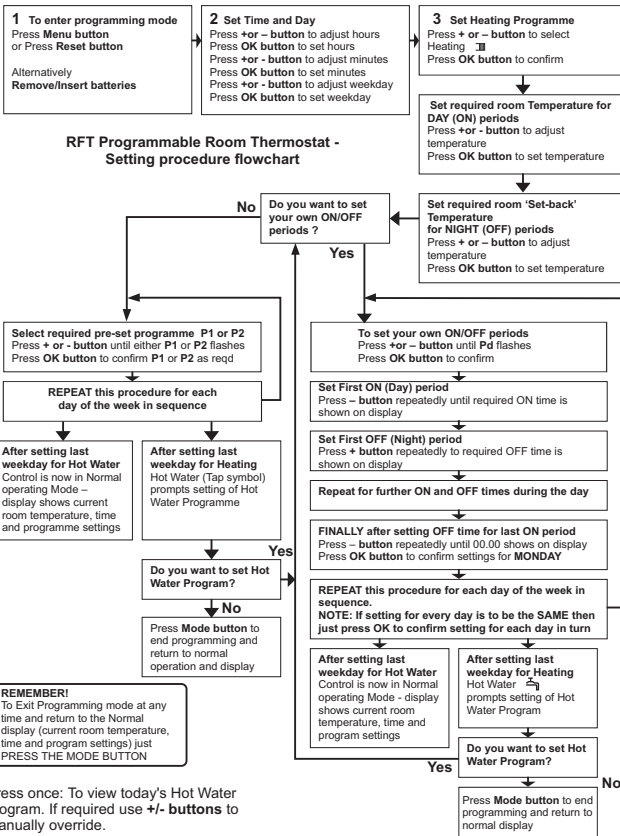
The 'night' set-back (OFF) temperature setting can be altered when the control is in a 'night' set-back (OFF) period of the programme. Press **+** or **-** to increase or decrease the temperature setting between 5°C and 30°C. Then press **Mode** button to quit.

The heating control function will automatically return to the set programme at the next switching operation.

Note: The 'day' (ON) temperature setting cannot be altered when the control is in a 'night' set-back (OFF) period and, likewise, the 'night' set-back period cannot be altered when the control is in a 'day' (ON) period.

Mode options

Pressing the **Mode** button allows the following



Press once: To view today's Hot Water program. If required use **+/-** buttons to manually override.

Press twice: To manually switch Heating OFF
Press 3 times: To manually switch Heating ON
Press 4 times: For **Party** function – extends current day temperature setting until 00.00
Press 5 times: For **Holiday** function – to set this use the following procedure:

Use **+** button to set the number of days holiday – then Press **OK** to confirm.
Set fixed temperature for holiday period – then Press **OK** to confirm.

NOTE: Control automatically reverts to standard program after holiday period.

Press **OK** button to quit any manually selected mode and to revert to normal operating mode.

Low battery

The batteries will run the Transmitter for a period of between 18 months and 2 years – depending on amount of signal transmission (which is dependant on settings).

Emergency mode

Should the batteries be allowed to go completely flat (or a construction feature presents a total block to RF signals), when the

Receiver does not pick up any radio signal for a period of **one hour** it will go into an emergency mode condition.

During emergency mode, the receiver LED will flash rapidly and the heating will work in a fixed cycle of 3 minutes on and 7 minutes off. Once the batteries are replaced (or the block to the RF signal removed) and the signals are again received the Receiver will revert to the normal ON or OFF operation as required by the Transmitter.



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RFTKIT Fitting and User Instructions for RF 7-day 2-channel Programmable Room Thermostat Suitable for Vortex Pro Kitchen/Utility & External models Vortex Pro Combi & External Combi Models

IMPORTANT

These fitting Instructions supersede all previous instructions supplied for this control and also shown in the Installation instructions supplied with the boiler

FITTING INSTRUCTIONS

KIT CONTENTS

The Wireless (RF) Two-channel Programmable Room Thermostat KIT (RFTKIT) contains the following items:

- 1 x RFT Twin-channel wireless (RF) Programmable Thermostat unit (to be wall mounted)
- 1 x FM/2 Receiver/switching unit (to be installed in wall mounted enclosure provided)
- 1 x Wall mounting enclosure – for FM/2 Receiver unit
- 1 x Fitting and User instructions

INSTALLATION

1. INSTALL THE FM/2 RECEIVER UNIT

Important: Ensure the electrical supply to the boiler has been isolated before fitting the FM/2 unit.

1.1 Fit the wall mounted enclosure

Refer to Fig.1 below.

Remove transparent cover.

Unscrew the two recessed screws and remove the main cover from the wiring base.

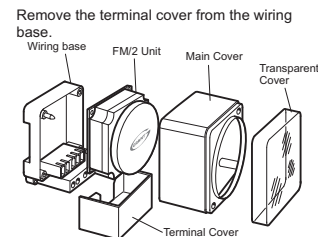


Figure 1. Wall mounted enclosure for FM/2 receiver unit

Position wiring base in required location **inside the property**. Mark and drill three holes in the wall and fix using suitable wall plugs and screws (not provided).

Connect the either **four** or **five** wires required (depending on boiler type and control system used) to the terminal on the wiring base. Refer to Fig.2 Connection diagram.

IMPORTANT

CONNECT WIRES TO THE CORRECT NUMBERED TERMINALS (AS SHOWN IN FIG.2) IRRESPECTIVE OF THE OTHER MARKINGS ON THE TERMINAL BLOCK.

1.2 Fit FM/2 receiver into enclosure

Working from the back of the FM/2 unit, carefully prise the unit out of the mounting it is supplied in using a small flat bladed screwdriver.

Once removed from mounting, fit the FM/2 unit on to the wiring base. Locate the five spade terminals of the FM/2 unit in the corresponding spring connectors. Push firmly until the terminals are fully into the spring connectors and the unit is correctly located on the wiring base.

Cut the underside of the terminal cover as required to accommodate the cable to the boiler.

Re-fit the terminal cover - locating the two inner edges into the groove on either side of the terminal block and sliding it into place.

Re-fit the Main cover to the wiring base-locating it onto the two guide pins on the base - and fasten using the two screws provided.

Re-fit the transparent cover.

1.3 Connection to boiler

Important: Ensure the electrical supply to the boiler has been isolated before connecting the FM/2 unit.

Refer to Fig.2 – Connection diagram

Vortex Pro Kitchen/Utility – System & Non-system Models

1. Remove front and top boiler casing panels. Remove the four screws and lift off top cover from control panel.
2. Remove Brown wire link from terminals 1 & 4 on the boiler terminal block.
3. Connect the **four** or **five** wires from the FM/2 wiring base to terminals on control panel – refer to Fig.2 Connection diagram.
4. Re-fit top cover to control panel and fasten with the two screws.

***When using the RFT kit with an 'S-plan' type control system (i.e. using 2 x 2 - port zone valves) there must be NO connection to Terminal 6 in the boiler control panel.**

Vortex Pro External Modules

1. Remove the boiler door and top casing panel.
2. Remove the three screws (two at top and one below control panel) and remove cover from left hand end of control panel.
3. Connect the **four** or **five** wires from the FM/2 wiring base. Feed wires through upper cable clamp and connect to terminals in control panel - refer to Fig.2 Connection diagram.

4. Re-fit control panel cover and secure using the three screws.

***When using the RFT kit with an 'S-plan' type control system (i.e. using 2 x 2 - port zone valves) there must be NO connection to Terminal 14 in the boiler control panel.**

Vortex Pro Combi – Internal Models

1. Remove front and top boiler casing panels. Loosen (do not remove) the four screws securing control panel to the side panels. Hinge the panel forward to access top and rear of control panel.
2. Remove the two screws and lift off the terminal block cover from top of control panel.
3. Remove both the Red and Black wire links from terminals 17 & 18 and 19 & 20 on control panel.
4. Connect the **four** wires from the FM/2 wiring base to terminals on control panel – refer to Fig.2 Connection diagram.

Note: there must be NO connection made from terminal 4 on the FM/2 unit.

5. Re-fit terminal block cover on control box and fasten with the two screws.

Vortex Pro Combi – External Models

1. Remove the boiler front casing panel.
2. All electrical wiring is made to the boiler isolation plug-located at the left hand end of the boiler control panel.
3. Pull the plug to the left to remove it from the socket.
4. Remove the two screws and prise off the cover from the plug to gain access to the terminals. **Pass the cable from the FM/2 wiring base through the cable clamp on the underside of the control panel before making connections to the plug.**
5. Connect the **four** wires from the FM/2 wiring base to the boiler isolation plug-refer to both Fig.2 Connection diagrams and Section 8 of the Boiler Installation Instructions (supplied with the boiler).
6. Connect the mains earth to the earth terminal on the boiler isolation plug-refer to Fig.2 Connection diagram.

Note: There must be NO connection made from terminal 4 on the FM/2 unit.

7. Replace the cover on the plug and secure with the two screws.
8. Measure the maximum of 350mm of cable between the plug and cable clamp, then tighten cable clamp to secure the cable.
9. Refit the isolation plug into the socket in the control panel.

