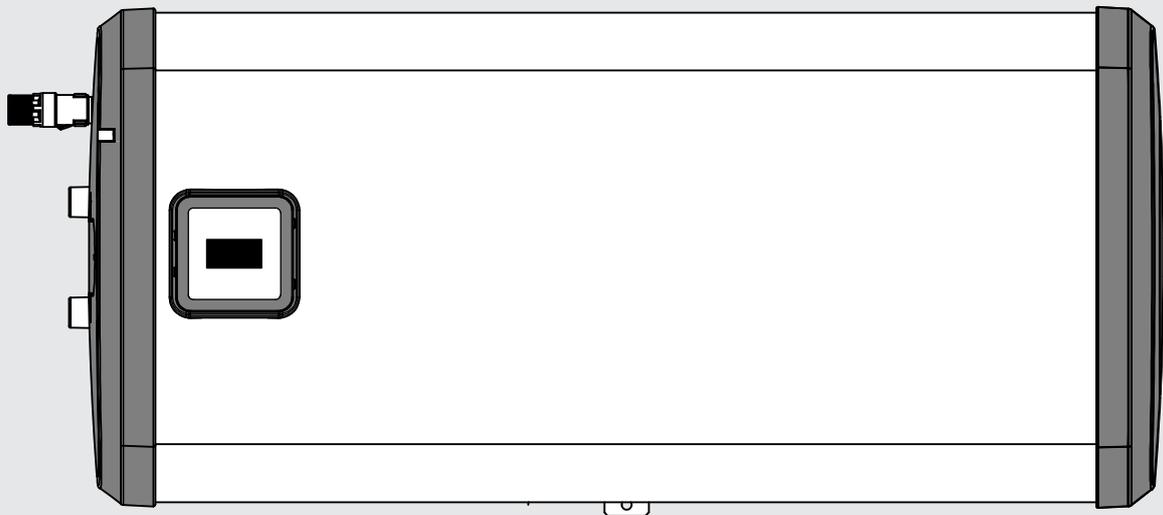


HEATRAESADIA

SMARTER | CLEANER | WARMER

Multipoint ECO Horizontal 3kW 30 - 100 Litres
Quick fit manual



1. Main Components & Pre-Installation

1.1 Installation regulations



WARNING

Installation of the appliance must be done by a qualified engineer in accordance with prevailing and national regulations as listed below.

- ▶ Building Regulations G3
- ▶ The Building Standards (Scotland)
- ▶ The Building Regulations (Northern Ireland)
- ▶ I.E.E Electrical Regs
- ▶ UK Water Regulations

1.2 Installation requirements

Water supply and Connections

In an unvented system the pressure and flowrate is directly related to the incoming water supply.

- ▶ Minimum supply requirements should be 0.08MPa (0.8 bar) pressure and 20 litres per minute flow rate.
- ▶ A 22mm cold water supply is recommended
- ▶ The PRV supplied; can be connected to a maximum mains pressure of 1.6MPa (16 bar).
- ▶ Following the PRV all fittings, pipework and connections must have a rated pressure of at least 0.6 Mpa (6 bar) at 80°C.

1.3 Components

Item	Description
1	Temperature and Pressure Relief Valve
2	Inlet
3	Wall Mounting Bracket (lower)
4	Neon Indicator
5	Outlet
6	User Interface

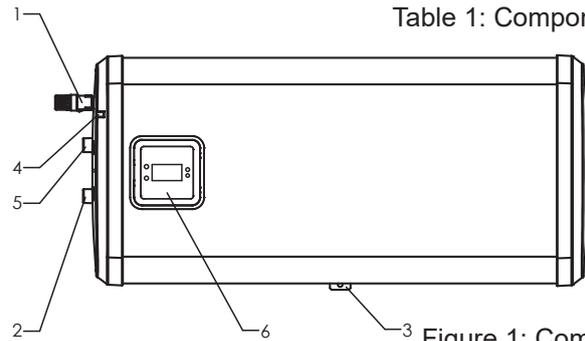


Table 1: Components

Figure 1: Components

The delivery includes:

- ▶ Water heater
- ▶ Wall mounting brackets
- ▶ Literature pack
- ▶ Cold water control pack
- ▶ Expansion vessel (inc bracket)
- ▶ Tundish
- ▶ Pressure Reducing Valve (PRV)
- ▶ Expansion (Pressure) Relief Valve
- ▶ Check Valve
- ▶ Compression nuts

2. Installation - General

2.1 General

Mounting the water heater

- ▶ Wall fixings must support up to 130kg, see full installation manual for weights table.
- ▶ 300mm service clearance required to left of unit.
- ▶ The top bracket bolts should be screwed in until they stop and stick out 8mm as shown Figure 2.
- ▶ Secure the top bracket to the wall using appropriate fixings - recommend 3 evenly spaced.
- ▶ Secure the lower bracket to unit as per figure 3.
- ▶ Locate top appliance bolts in the the wall bracket.
- ▶ Secure the lower bracket to the wall, figure 3.

2.2 Electrical

- ▶ Ensure the electrical supply is of sufficient current rating and voltage - see product rating plate.
- ▶ The flexible cable, supplied; must be wired into an appropriate termination with dedicated isolation.
- ▶ The wires are colour coded as follows:

Green and Yellow	EARTH	(⊕)
Brown	LIVE	(L)
Blue	NEUTRAL	(N)

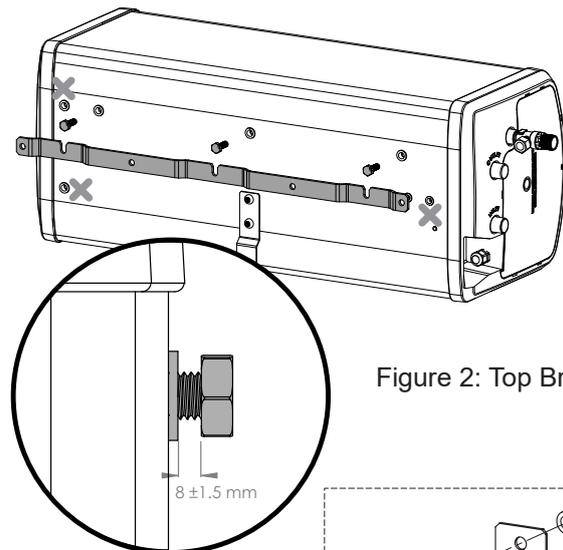


Figure 2: Top Bracket

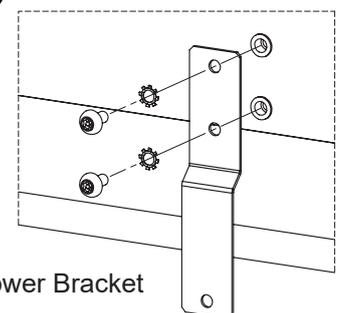


Figure 3: Lower Bracket

3. Installation - Water



WARNING

- ▶ Under no circumstances should the factory fitted Temperature/Pressure Relief Valve be removed.
- ▶ The cold water controls supplied MUST be fitted to the mains water supply to the appliance.
- ▶ The discharge pipe should not be blocked or used for any other purpose.
- ▶ The tundish should not be located adjacent to electrical components.

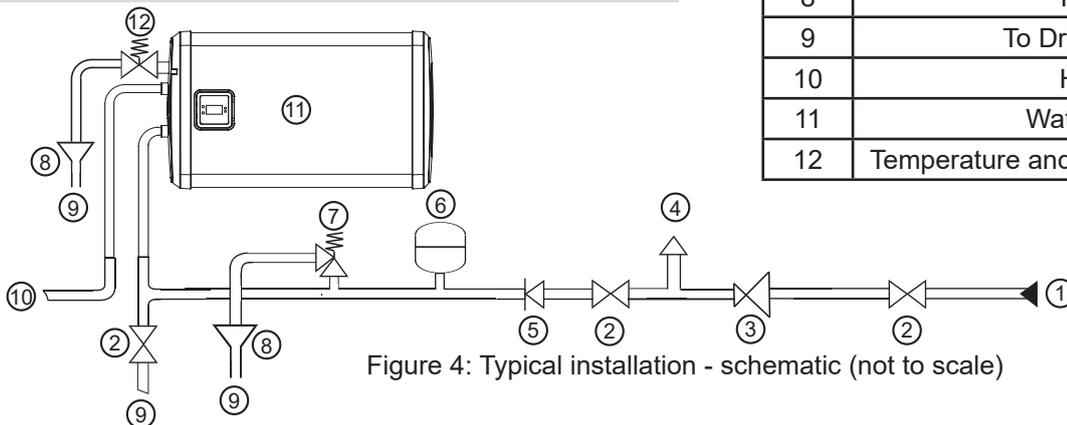


Figure 4: Typical installation - schematic (not to scale)

- ▶ All appliance pipe fittings are made via 22mm compression fittings, threaded 3/4" BSP male parallel.
- ▶ A servicing valve must be incorporated into the cold water supply
- ▶ The expansion vessel must be connected between the check valve and the appliance.
- ▶ It is recommended that the outlet point of the drain pipework be at least 1 metre below the level of the base of the appliance (this can be achieved by attaching a hose to the drain tap outlet spigot).
- ▶ Safety discharge connections (including the tundish) must conform to G3 building regulations.

Table 2: Typical installation table

Item	Description
1	Cold Water Mains in
2	Service Valve (not supplied)
3	Pressure Reducing Valve (PRV)
4	Balanced Cold Water Draw Off
5	Check Valve
6	Expansion Vessel
7	Expansion (Pressure) Relief Valve
8	Tundish
9	To Drain (Waste)
10	Hot out
11	Water heater
12	Temperature and Pressure Relief Valve

4. Commissioning & Controls

4.1 Commissioning procedure

- ▶ Ensure water supply is turned on - allow tank to fill.
- ▶ Switch on electrical supply to the water heater. You will notice that the display and all options will light up for a few seconds.
- ▶ After a few seconds the display will go into its default "S" smart setting. The "°C" graphic will blink indicating water heating cycle is active.
- ▶ In this default mode the temperature of the water is automatically selected but will adjust based on the usage patterns learnt.



WARNING

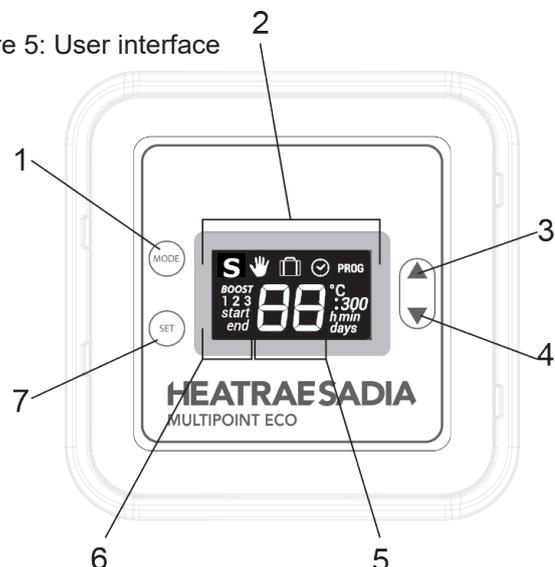
DO NOT apply electrical power to the water heater until the unit has been filled with water.

4.2 User Interface

Table 3: User interface

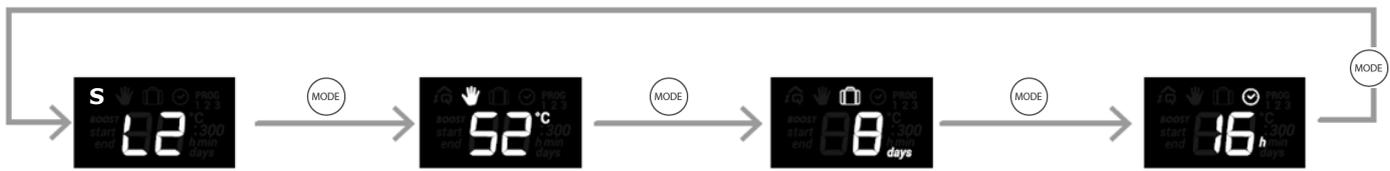
Item	Description
1	Mode selection and programming
2	Selected mode
3	Temp up/level up
4	Temp down/level down
5	2 digit display
6	Program periods
7	Validation and Boost

Figure 5: User interface



4.3 Mode Selection

Core modes: to move from one mode to another or to set the clock, short press **MODE** button.



The selected mode or the set of the clock is validated by pressing the **SET** button

- S** Smart Mode: Permanently monitors and learns hot water consumption habits and after a minimum of one week learning period, automatically adjusts hot water production according to past recorded consumptions. A minimum of hot water availability is guaranteed depending on the selected level of comfort.
-  Manual Mode: Maintains the total volume of water at a temperature according to the selected temperature
-  Vacation mode: Keeps the water temperature at a minimum level avoiding any water freezing.
-  Set Time Mode: To set the current time in hours and minutes.

4.4 Manual Mode

In Manual mode, the water heater regulates water temperature at a stable temperature. The temperature is selected by using the **▼** or **▲**, in range from 40°C to 75°C.

The requested temperature is validated by pressing the **SET** key

The real-time water temperature at bottom of the tank is permanently display.



4.5 Other Modes and Settings

For all other modes and settings consult the full Installation, Operation and Maintenance Manual.

4.6 Explanation to the User

After commissioning the following should be explained to the user:

- ▶ Correct operation of the unit.
- ▶ The position of the water and electrical isolation points.
- ▶ How to identify a malfunction of the unit.
- ▶ The service and maintenance requirements.

The commissioning record in the full Operating and Maintenance Manual should be completed and then these left with the user for future reference.

This Quick Fit Guide must be used in conjunction with the full Installation, Operation and Maintenance Manual.

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