

**HeatMax™**  
**UFH wiring centre**  
34005



## Installation & User Guide

## Description / Overview

The HeatMax™ UFH wiring centre is a 4 zone wiring module with all the main electrical connections for warm water underfloor heating systems.

- Connects HeatMax™ room thermostats to the corresponding HeatMax™ zone actuators.
- Zone actuator state (Open/Close) are indicated by green LED's
- Boiler and Pump state (On/Off) by red LED's
- Includes a volt free contact to drive external items such as combination boilers
- Additional zones can be added by plugging in HeatMax™ UFH wiring centre extensions
- DIN rail or wall mounted

## How it works

The HeatMax™ UFH wiring centre works in the following ways: -

### Main function

When there is a heating demand from at least one thermostat, a relay is energised opening the 2-port zone valve, which then energises further relays turning on the pump and boiler control signals.

### Alternately

If there is no 2-port zone valve used, the link wire S1-S2 should remain connected, and in this case all devices (pump, boiler and zone valves) will work simultaneously.

### External clock option

External time clock or programmers are connected to the mains supply terminals, the entire UFH system will switch on and off following the program from this clock.

## Installation

### CAUTION:

- ! Do not make any electrical connections until you are certain that the power is switched off

### Tools required

1. Phillips Screwdriver (for cover removal or replacement)
2. Slotted Screwdriver with a 2.5mm or 3.0mm blade (for making terminal connections)
3. Screwdriver to suit mounting screws (not supplied)

### Step by step guide

1. Using the Phillips screwdriver, undo all the cover screws locating the cover of the HeatMax™ UFH wiring centre
2. Remove the HeatMax™ UFH wiring centre cover
3. To fully secure the unit, screw countersink head mounting screws through the holes in the base plate or fit to DIN rail
4. Using a screwdriver with a 2.5mm or 3.0mm blade, make all power, pump, 2-port zone valve, boiler, programmer, thermostat and zone actuator terminal connections, dependant on the heating configuration, boiler type and control (see the following wiring diagrams)
5. Replace the HeatMax™ UFH wiring centre cover then, using the Phillips screwdriver, replace all the cover screws – this clamps all the wires in place

### NOTE:

Ensure you have made all connections prior to replacing the covers  
Thermostats with pilot wires require a HeatMax™ UFH Controller Chrono Module to manage the Night Set Back Facility

## Set-up / Commissioning

**CAUTION:**

- ! Do not make any electrical connections until you are certain that the power is switched off

No specific set up is required for the HeatMax™ UFH wiring centre.

There are no user changeable parameters relating to the HeatMax™ UFH wiring centre

## User Guide

### Suggested cabling

Size to be in accordance with current electrical regulations.

Item	Cable
Fused spur / programmer to wiring centre	2 Core + Earth
UFH system pump wired to wiring centre	2 Core + Earth (fitted)
Programmable room thermostat to wiring centre or wiring centre extension	2 Core
Standard room thermostat to wiring centre or wiring centre extension	4 Core

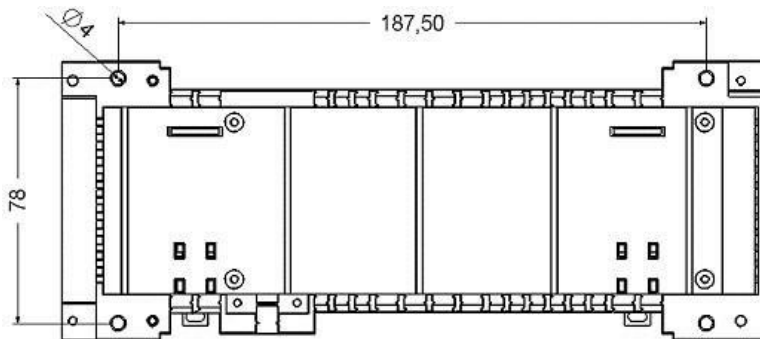
## Spare Parts

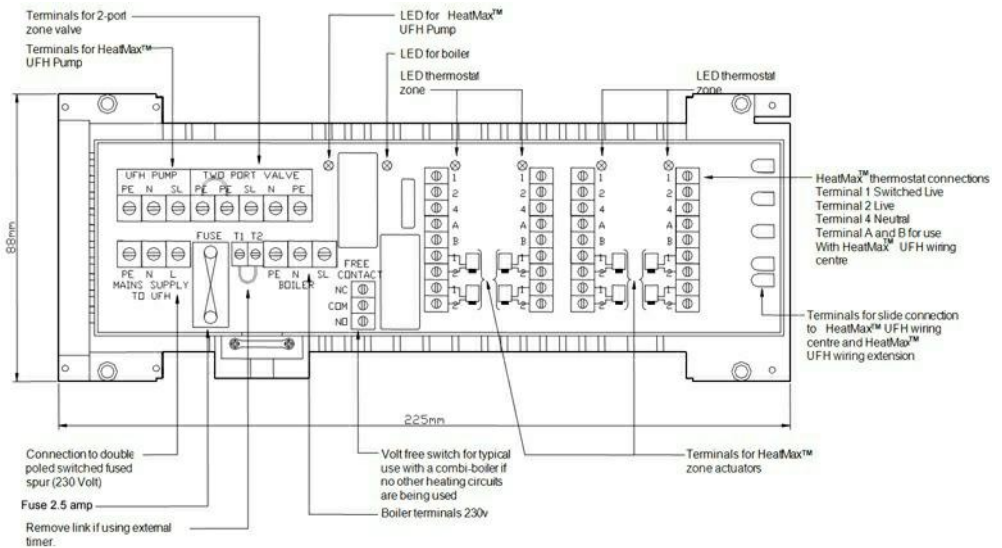
There are no spares available for this item.

## Technical Information

Power Supply	230 VAC: 230 VAC +/- 10%
Operating temperature	0°C - 50°C (or 32°F – 122°F)
Electrical Protection	Class II - IP30
Maximum actuators per zone (15w)	4
Maximum actuators between all wiring centres	24
Actuator Contact	Triac
Pump contact	Relay (Max 8amps)
Volt free contact	Relay (Max 16amps)
Dimensions wiring centre	159 x 88 x 58mm

### UFH wiring centre fixing dimensions





## Address and contact information

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