irus PRE2000W-4
Single element hot water tank kit

Cleverly simple
control of energy.

Key features

Kit components:

- *PRE2000CU3 Control Unit*
- *PRE2000PU3 Power Unit*
- *PRE2000PIU Probe Interface Unit*
- *PRE2000TTS-TR Upper temperature sensor*
- *PRE2000TTS-BB Lower temperature sensor*
- *300mm patch-lead*

- Upper and Lower temperature sensors
- LV control Head
- Remote monitoring and control
- Autonomous control
- DUoS and TNUoS optimisation
- Leak detection sensor (optional)
- Measures RMS current
- 5-year warranty

The Prefect Irus PRE2000W-4 is a complete kit of components for connecting a single element hot water tank to the Prefect Irus control system.

The PRE2000CU3 is the control element of the kit. It collects data from the sensors and stores history, furthermore it controls the PRE2000PU3 Power Unit relay switching power to the element.

The PRE2000PU3 Power Unit is the power supply for the low voltage head unit. The power unit also houses a 16A relay for switching the tank element when commanded by the head unit. The power unit utilises Mains Borne Signalling (MBS) to transmit and receive data and commands between the head unit and Prefect Irus central control.

The PRE2000PIU, Probe Interface Unit, provides the link between the probes and the control unit, using the RJ45 cables to connect with the probes and 4 core connection to the Control Unit.

The PRE2000TTS2-R & PRE2000TTS2-B are temperature sensors for hot water tanks with either a foam or metal jacket. The R is the Upper temperature sensor coloured red for easy and reliable identification.The B is the Lower temperature sensor coloured black. The sensors incorporate a copper contact.

The THERMAL PASTE, in the supplied syringe, should be applied to the whole face of the copper head of the tank probes (approx 1mm depth) before they are inserted into the bores.

The PROBE sensor is then inserted through the upper mounting flange and pushed until the shaft will go no further, and the copper head is compressed into the shaft providing a sound contact between the two surfaces resulting in accurate temperature measurement.

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