

irus PRE2000W-3

Single element hot water tank kit



Cleverly simple
control of energy.



Key features

Kit components:

- PRE2000CU3 Control head unit
- PRE2000PU3 Power unit
- PRE2000TTS-TR Top temperature sensor
- PRE2000TTS-BB Bottom temperature sensor

Requires Heat Paste

- Top and bottom temperature sensors
- LV control head
- Remote monitoring and control
- Autonomous control
- DUoS and TUoS optimisation
- Leak detection sensor (optional)
- 5-year warranty

The Prefect Irus PRE2000W-3 kit is a complete kit of components for connecting a single element hot water tank system to the prefect Irus control system.

The PRE2000CU3 is the control head unit. The head unit is the control element of the kit, the head unit collects data from the sensors and stores history, furthermore the head unit controls the PRE2000PU2 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 to transmit and receive data and commands between the head unit and Prefect Irus central control.

The PRE2000TTS-TR & PRE2000TTS-BB are temperature sensors for hot water tanks with either a foam or metal jacket. The TR is the top temperature sensor coloured red for easy and reliable identification.

The BB is the bottom temperature sensor coloured black. The sensors incorporate a copper contact and isolated pressure spring covered by an insulating foam sleeve.

PRE2000W-TP is thermal compound paste, 1.25ml of this paste is applied to both copper contacts to thermally bond the sensors to the hot water tank copper surface thus giving an accurate and consistent temperature reading. The copper contact is forced onto the tank by a spring, the spring is thermally isolated and insulated as not to corrupt temperature readings. A high tack adhesive 0.55mm polycarbonate overlay is then applied over the sensor opening compressing the spring and forcing the contact.

Due to our policy of continuous improvement, we reserve the right to change specifications without notice. All information was correct at time of when this product file was produced - June 2020