

# PRE9865FBC & PRE9863TBC Flow Boiler Boost Control

The Flow Boiler control comes in two parts, the Control Unit (PRE9865FBC) and the Remote timer (PRE9863 TBC)

The Flow Boiler Boost Control is designed to allow a manual boost to provide continuous heating during periods that off-peak electricity is NOT available.

In the intervals between the 18 hour OFF-PEAK periods, the control allows on-peak electricity to energize the flow boiler, through a two hour manually activated run timer. When low rate electricity is available, the run timer CANNOT activate. When the low rate period is interrupted, the run timer becomes active.

To engage the ON-PEAK timer simply push & hold the button down on the fascia, the red time indicator will move up the scale, once you have selected a time, let go of the button. This simple process can be repeated at any time to change the run time.

The timer run can be cancelled at any time by simply pushing the button once. At the end of the selected time period the timer cancels automatically.

The Boost timer cancels automatically if OFF PEAK power is restored during timed period.

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## Installation:

### PRE9865FBC Control Unit

Remove front cover and fix the base unit to the wall.

After affixing the unit to the wall, connect the OFF-PEAK and ON-PEAK cables as shown on the attached wiring diagram. It is important that the cables are connected in the order shown.

Take care to insure that the control cable spades are correctly seated in the terminal before tightening the contactor terminal screws.

Now connect the flow boiler output cables, again insuring that the cables are correctly seated and the terminals are tight.

The PRE9865FBC has been designed to work with boilers that require a brake in the control circuit power before off peak is engaged.

To achieve this, the PRE9865FBC is fitted with a delay on timer and terminals to accept the boilers control wires (see wiring diagram) remember however that the supply and return cables need to be mechanically protected in accordance with the current wiring regulations.

**DO NOT EXCEED 14.5 KW at 230 Volts**

### PRE9863TBC Remote Timer

The remote timer can be situated adjacent to the control unit or at a remote location within the property, remember however that the supply and return cables need to be mechanically protected in accordance with the current wiring regulations.

Affix the control cables to the timer via the terminal block on the back of the unit I.E. Live IN, Live Out, & Neutral IN.

Now connect the control cables to the Control unit as per the wiring diagram.

Finally replace both of the covers and test.

**It is Important that ALL Electrical connections both indirect and factory terminations are checked, pay special attention to the HV terminals check that all are tight before completion of the installation.**

### Flow Boiler Boost Control PRE9865FBC & PRE9863TBC

Dimensions:

- 310mm x 240mm x 160mm (PRE9865FBC)
- Standard Single Gang 83mm x 83mm x 20mm ( PRE9863TBC)

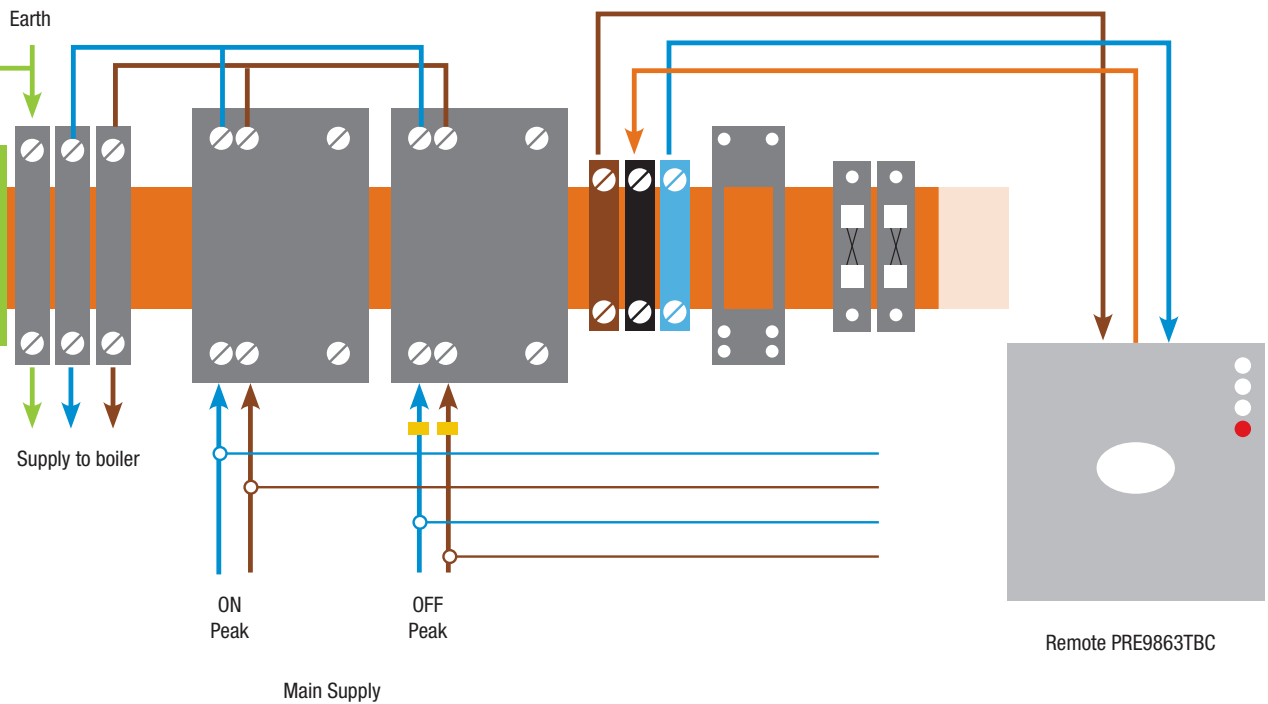
Electrical spec:

- 230 volt AC OFF PEAK & ON PEAK supplies
- 14.5KW at 230V Max



## Global Wiring flow Boiler timer control PRE9865FBC & PRE9863TBC

Control Unit PRE9863 FBC



## Internal Wiring flow Boiler timer control PRE9863FBC

