

PRE9863FBC-400 PRE9863TBC Flow Boiler Boost Control Operation

The Flow Boiler control comes in two parts, The Control Unit (PRE9863FBC-400) and the Remote timer (PRE9863-TBC)

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

In the intervals between the 20 hour OFF-PEAK periods, the control allows on-peak electricity to energize the flow boiler, through a two hour manually activated run timer.

When cheap rate electricity is available, the run timer CANNOT activate. When the cheap 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 selected time period the timer cancels automatically.

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

Installation:

PRE9863FBC-400 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 ensure 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 ensuring that the cables are correctly seated and the terminals are tight.

The PRE9863FBC- 400 has been designed to work with boilers that require a three-phase supply.

DO NOT EXCEED 60 AMPS At 400 Volts

Special care should be taken that the three phase supplies are marked with a suitable warning label should they be in close proximity to each other or be in a situation were persons would not expect them.

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.

Flow Boiler Boost Control PRE9863FBC-400 & PRE9863TBC

Dimensions:

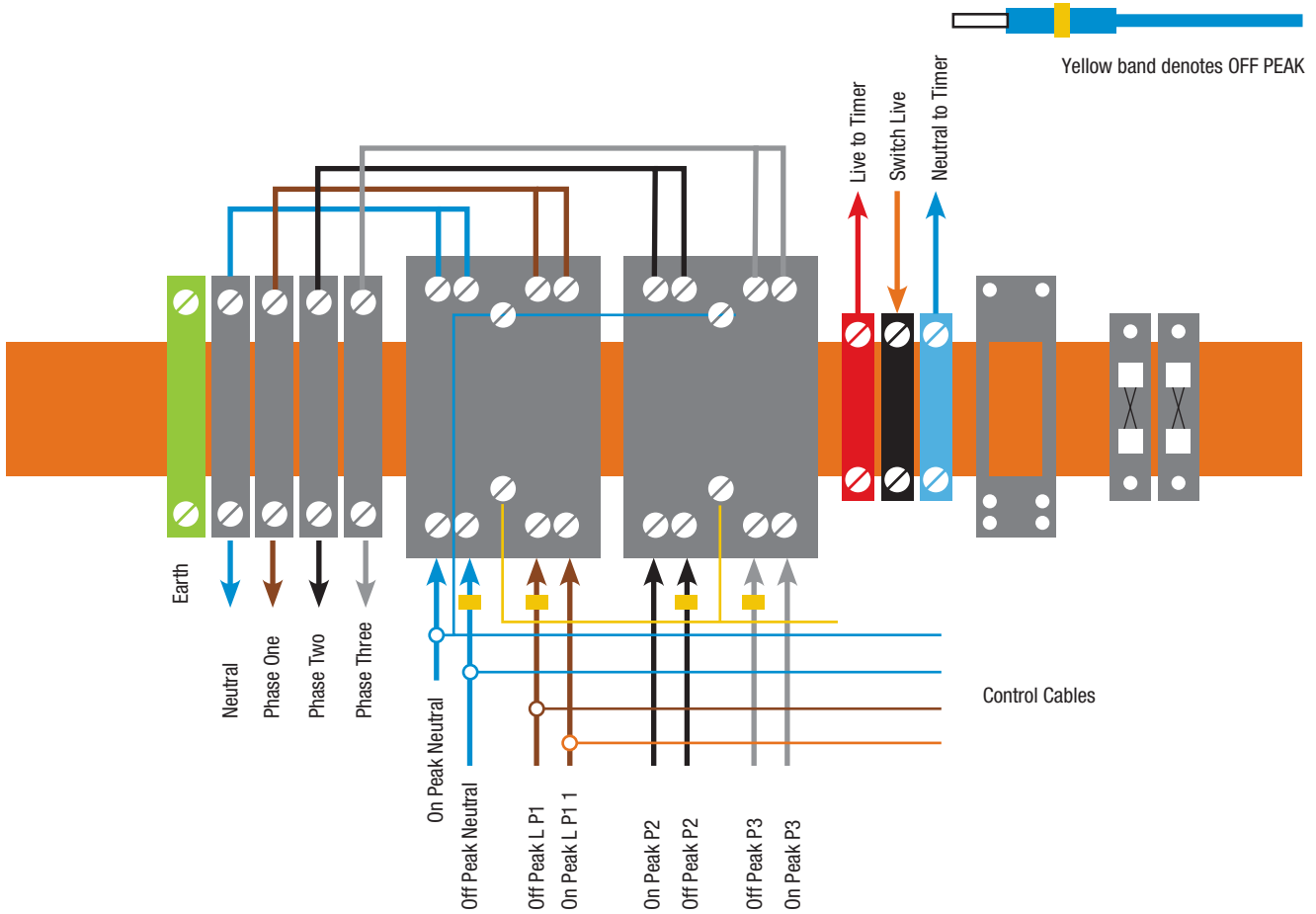
- 310mm x 225mm x 125mm (PRE9863FBC-400)
- Standard Single Gang 83mm x 83mm x 20mm (PRE9863TBC)

Electrical spec:

- Three Phase AC OFF-PEAK & ON-PEAK supplies
- 60 Amps Max @ 400 Volts



Internal Wiring Three Phase Flow Boiler Timer (Mains Driven Remote)



Supply from Distribution Board

- Phase One, On Peak
- Phase One, Off Peak
- Phase Two, On peak
- Phase Two, Off Peak
- Phase Three, On Peak
- Phase Three, Off Peak
- ON Peak Neutral
- OFF Peak Neutral
- Earth

