

BoostMaster

Electronic Boost Timer & Fused Spur

Model No. FBT4 – 2 Hour Boost Timer

Model No. FBT5 – 4 Hour Boost Timer



TIME GUARD[®]
LIMITED

Installation & Operating Instructions

1. General Information

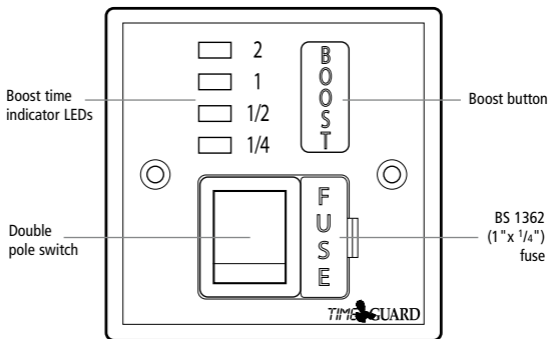


Fig. 1
FBT4/FBT5 Front Panel (FBT4 pictured).

1

Contents:

1x FBT4/5 Boost Timer

Bag containing: 2x 3.5mm screws, 2x cable clamp set.

1x Instruction leaflet

The FBT4/5 are boost timers giving a range of boost times from 1/4hr to 2 hours (FBT4) or 1hr to 4 hours (FBT5), covering the majority of requirements for heating, ventilation and lighting (a light switch may be replaced by this unit if a neutral is available).

Units mount onto a BS4662 flush mount single box, or a BS5733 surface mount single box, (25mm deep in either case). There is provision for a single front exit output cable, with built in cable clamp.

The unit combines the facilities of a boost timer and a double pole switched fused connection unit capable of being wired directly into a ring main. The contacts are not volt free. There is a loop terminal for earth continuity.

Boost times can be instantly cancelled, or reset, and the 1/4hr (1hr for FBT5) LED flashes a warning of time out.

2. Installation

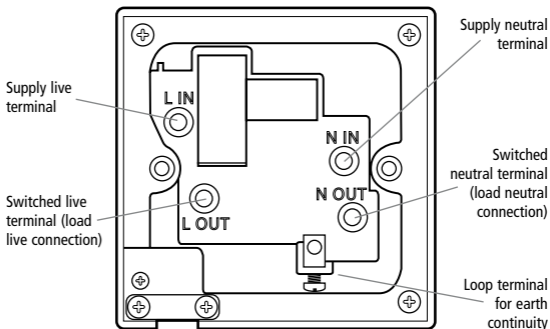


Fig. 2
FBT4/FBT5 Rear Connections

2

Important: Switch off mains electricity before commencing work.

The unit is designed to replace an existing single gang connection unit or fixed appliance outlet, providing a timed output protected by a BS1362 fuse. The unit is capable of forming part of a ring main (the terminals can accept 2x 2.5mm sq. cables) or terminating a spur off the ring main. The unit requires a minimum depth of 25mm within the box.

Ensure that the wiring is adequate for the load to be carried. Connect incoming and outgoing cables to the relevant terminals. Secure the unit to the back box with the 3.5mm screws provided, forming cables during installation to avoid entrapment and cable damage.

Use the loop terminal, or the earth terminal in the back box for earth continuity if required. If installed into a metal back box, earthing of the back box is required.

There is a removable cable blank to cover the front cable exit if this feature is not required. If the front cable exit is required, for instance to connect to a washing machine, use one of the cable clamps provided to secure the outgoing cable.

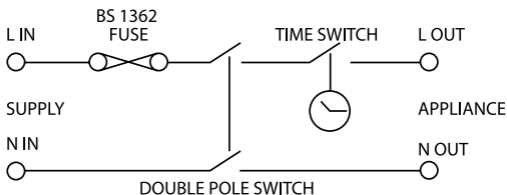


Fig. 3
Internal Schematic of FBT4/GBT5

Fuse:

Use the appropriate BS1362 fuse for the load. This unit is supplied with a 13A fuse.

3. Operation:

The required boost time is selected by pressing the button marked boost, repeatedly. The LEDs adjacent to the time markers will light up in sequence, showing the selected boost period. Sequence below is for the FBT4. For the FBT5 substitute the stated times for 1hr, 2hr, 3hr and 4hr.

- | | |
|----------------------------------|------------------------|
| First push gives ¼ hr boost | (LED opposite ¼ is on) |
| Second push gives ½ hr boost | (LED opposite ½ is on) |
| Third push gives 1 hr boost | (LED opposite 1 is on) |
| Fourth push gives 2 hr boost | (LED opposite 2 is on) |
| Fifth push returns to zero boost | (all LEDs out) |

Once the boost selected is underway, the LEDs will go out sequentially, indicating the approximate boost time remaining.

Example: 2 hour boost has been set, all LEDs are on.

After 58 minutes the 2hr LED will flash for two minutes, and then go out indicating 1 hr remaining.

After a further 28 minutes, the 1 hr LED will flash for two minutes, and then go out indicating ½ hr remaining.

After a further 13 minutes, the ½ hr LED will flash for two minutes, and then go out indicating 15 minutes remaining.

After a further 13 minutes the ¼ hr LED will flash for two minutes, and then go out, indicating that the boost period has finished.

In this way the user has an approximate guide to the remaining duration of the boost.

If the boost button is pushed and held down, the LEDs will cycle upwards with 1 second between each change, in sequence ¼, ½, 1, 2, off.

4. Stopping or Increasing Boost:

The boost may be stopped at any time by pressing the boost button repeatedly until all the LEDs are out.

If no buttons have been pushed for 15 seconds, boost may be cancelled with a single push of the boost button.

Boost can only be increased during the 15 seconds allowable between pushes. At other times, the boost must be cancelled, and the required boost period re-entered.

5. Specifications

This product complies with: LVD directive 72/23/EEC
EMC directive 89/336/EEC

And relevant clauses of the following standards:

BS EN 60730-1:2011 Automatic electrical controls for household and similar use. General requirements.

BS EN 60730-2-7: 2010 Specification for automatic electrical controls for household and similar use. Particular requirements. Timers and time switches.

BS1363-4:1995; Specification for 13A fused connection Units.

Operating temperature:	0°C to 40°C
Operating voltage:	230V 50Hz
Switch rating:	13A resistive, 5A inductive, 1000W incandescent, 1000W halogen, 500W fluorescent, 100W compact fluorescent. For other loads refer to technical service on 0208-8450-0515
Boost times:	FBT4 – ¼, ½, 1, 2 hours FBT5 – 1, 2, 3, 4 hours
Size:	85mm x 85mm x 31mm
Minimum depth of wall box:	25mm
Contact type:	Normally open

Note: Product not suitable for discharge lighting.

6. 3 Year Guarantee



In the unlikely event of this product becoming faulty due to defective material or manufacture within 3 years of the date of purchase, please return it to your supplier in the first year with proof of purchase and it will be replaced free of charge. For the second and third years or any difficulty in the first year telephone the helpline on 020 8450 0515. Note: A proof of purchase is required in all cases. For all eligible replacements (where agreed by Timeguard) the customer is responsible for all Shipping/Postage charges outside of the UK. All Shipping costs are to be paid in advance before a replacement is sent.

For assistance with the product please contact:

HELPLINE

020 8450 0515

or email helpline@timeguard.com



For a product brochure please contact:

Timeguard Limited.

Victory Park, 400 Edgware Road,
London NW2 6ND

Sales Office: 020 8452 1112
or email csc@timeguard.com

A **theben** Group Company

67.058.505 (Issue 2).