



BF300 Manual Burst Firing Power Controller with ON/OFF Switch

<p>Features</p> <ul style="list-style-type: none"> ❖ Suitable for up to 4KW heater at 240V ❖ Integral ON/OFF switch ❖ High reliability snubberless triac used ❖ Low cost & compact <p>Applications</p> <ul style="list-style-type: none"> ❖ Medium wave infra-red lamps ❖ Fan brown or general heater elements 	
<p>Dimensions</p> <p>H = 55mm, W = 55mm, D = 33mm. Shaft dia = 6.3mm. Shaft protrusion from panel = 20mm. Panel thickness = 2.5mm max. Fixing hole dia = 10mm. Cable length = 430mm min.</p>	

The BF300 is designed to control resistive loads such as medium wavelength infra-red lamps or heating elements by adjusting the applied ON/OFF mains cycles. Since, only multiples of complete mains cycles are switched, no dc current component results and radio frequency interference are minimised.

The controller is enclosed with its heatsink and has an integral potentiometer for manual regulation of load power. The controller must be mounted on to a steel or aluminum panel to enhance dissipation; the power ratings assume the provision of this heatsink arrangement and the fascia temperature should not exceed 70 Deg. C.

Notes.

This product is offered for use to professional installers and the product is to be installed by suitably qualified personnel in accordance with current industrial electrical/mechanical safety and EMC standards.

Installation to be in accordance with the current edition of IEE wiring regulations BS7671: 2001, 16th edition.

- This product is deemed a component only for professional assemblers for incorporation in to apparatus and systems or installations for which its own EMC and safety standards will apply and for which Powerlink is not responsible.
- Conforms to EN55011 Class A and EN55022 Class A.
- For further information see the Product Manual.

<u>Ratings.</u>			<u>Specification</u>	
<u>Pmax</u>	<u>I_{max}</u>	<u>Panel size</u>	Supply voltage	240V ac, 50 or 60Hz
1.4kW	5A	none	Max. current rating	17A @70°C, with correct panel size
2.8kW	12A	2 X 100 X 100 mm	Max triac rms current	25A
4kW	17A	2 X 170 X 170 mm	Peak surge current	262A
<u>Note:</u> heatsink compound must be applied between a BF300 metal fascia and the panel in order to meet the specified current ratings.			Min. holding load current	30mA current
			Repetitive peak voltage	600V
			Cycle time	approximately 1 second

Powerlink Electronics Ltd.

Powerlink House, Ivy Arch Road, Worthing, W Sussex, BN14 8BX

Tel: 01903 209550 Fax: 01903 213526