

BURST FIRING TRIGGER MODULES



INTRODUCTION

The BFTM-1 and BFTM-3 single and three phase burst firing trigger modules designed to drive our full range of thyristors and triacs. The BFTM-1 is a single phase or 2-wire format capability where as the BFTM-3 has a one-phase supply controlling three phase loads in star or delta configurations.

The control input signal is internally isolated and will accept either a DC signal or potentiometer. Proportional output control is indicated by a flashing LED. The module is designed for mounting on either standard or top hat profile or G profile DIN rail. External connections are via screw terminals, which together with the fuses are accessible from the front.

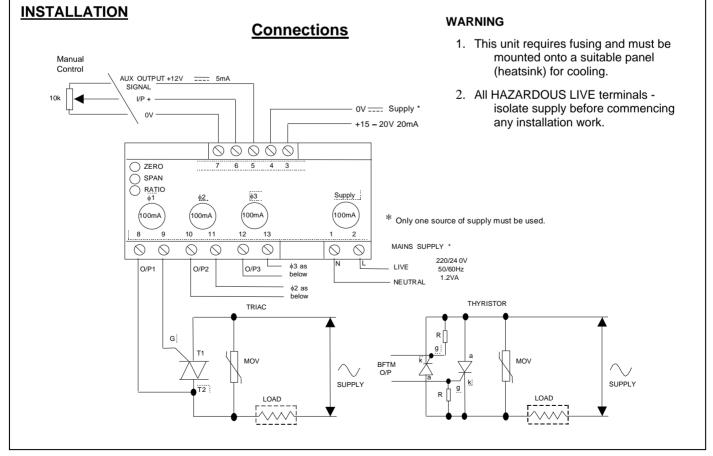
APPLICATIONS

Virtually all resistance heaters including ovens, electric furnaces, moulders, dryers, smelters, heating tapes, stress relieving, space heating and heating mantles. This is unsuitable for use on inductive loads.

MAIN FEATURES

- 1 sec. cycle time Zero voltage switching
- Burst fire control
- Opto isolated outputs
- LED output control indicators
- DIN rail mounting (both types)
- Input control signal accepts DC signal,
 - or potentiometer





SPECIFICATIONS	
Supply voltage	230V ac ± 10% @ 50Hz @1.2VA
	15V to 30V DC @ 20mA (max.)
Signal span	2 to 25V DC (max.)
Zero offset	0 to 30% of span
Trigger current output	250mA (max. continuous)
	1A for 10ms
Output isolation voltage	2500V rms
Line voltage of thyristors	100V to 480V AC
Operating temperature	0 to +65°C
Dimensions (Max.)	73mm (H) x 94mm (W) x 97mm (L)

FUSING:

It is recommended to use semiconductor (fast acting) type fuses for device protection. On initial 'switch on' some loads may need an increased Factor of Safety (F of S) for unit and/or device protection. For spares or replacements contact our sales desk.

CE MARKING

This product family carries a "CE marking". For information see recommendation section and contact our sales desk.

RECOMMENDATIONS & SAFETY INFORMATION

Other documents available on request, which may be appropriate for your applications. CODE **IDENTITY** DESCRIPTION X10229 RFI Filtering recommendation - addressing EMC Directive X10213 ITA Interaction, uses for phase angle and for burst fire control. X10255 SRA Safety requirements - addressing the Low Voltage Directive including :- Thermal data/cooling ; "Live" parts warning & Earth requirements; Fusing recommendations. AP02/4 COS UAL Conditions of sale **NOTE** It is recommended that installation and maintenance of this equipment should be done with reference to the current edition of the I.E.E. wiring regulations (BS7671) by suitably qualified / trained personnel. The regulations contain important requirements regarding safety of electrical equipment. (For International standards refer to I.E.C. directive IEC950).

ORDER CODE:

State part number:

BFTM-1 (single phase supply) **BFTM-3** (three phase supply)

