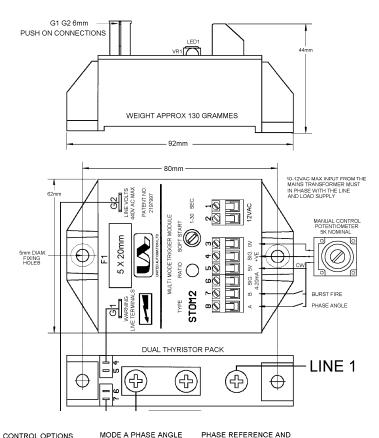
## **INSTALLATION**



CONTROL OPTIONS
DC INPUT
VOLTAGE CONTROL
TERMINALS 3,4 AND 5
3 = 0V
4 = 0 TO 5V
5 = 5V OUTPUT
5 5K INPUT

CURRENT CONTROL TERMINALS 3 AND 6 ☐ 3 = 0V

☐ 6 = 4-20mA ☐ 240R INPUT MODE A PHASE ANGLE TERMINAL A AND 5

☐ A = 5V

☐ 5 = 5V

MODE B BURST FIRE
TERMINALS B AND 5
☐ B = 5V

☐ 5 = 5V

MODE A AND B START IN PHASE ANGLE SWITCHING TO BURST FIRE TERMINAL A,B AND 5

☐ A = 5V ☐ B = 5V ☐ 5 = 5V

WARNING

SWITCH OFF SUPPLY BEFORE COMMENCING ANY SERVICE WORK

SUPPLY TERMINALS 1 AND 2

■ 10V TO 18V AC AT 75 mA

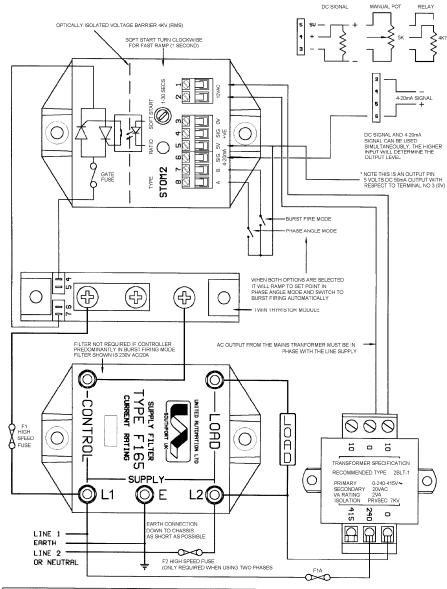
☐ UP TO 440V ac MAX

☐ GATE CURRENT 1A MAX

☐ 50 TO 60 Hz +/- 5

**OUTPUT CONNECTIONS G1, G2** 

## **INSTALLATION**



MATCH MAINS SUPPLY FILTER TO THE SUPPLY VOLTAGE AND MAX. LOAD CURRENT IN ORDER TO COMPLY WITH BSEN 550081-2 WHEN USED IN PHASE ANGLE MODE

## **SPECIFICATIONS**

Min. line voltage	5V ac	Trigger output rating	1A
Max. line voltage	440V ac	Power consumption	1.2W
Operating frequency	50 to 60 Hz +/- 5%	Mono-link fuse	F100mA (HRC)
Max. electrical isolation	4kV ac	Soft-start	1-30 sec
ac input supply	10 - 18V ac @ 75mA	Auxiliary output	5V dc
Storage temp. range	0 to 85°C	Control signals	0-5V dc & 4-20mA
Max operating temp.	0 to 65°C	Gate terminals	6.3mm x 0.8mm

### **FUSING**

It is recommended to use semiconductor fast acting type fuses or circuit breakers (Semiconductor-MCB) for unit/device protection. On initial 'switch on' some loads may need an increased Factor of Safety (F of S) for unit and/or device protection.

See the SRA datasheet for further information.

## **CE MARKING**

This product family carries a "CE marking". These phase angle controllers need a suitable remote filter. For information see recommendation section and contact our sales desk.

See the Declaration of Conformity.

## **RECOMMENDATION**

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
		(LVD) including :-Thermal data/cooling; "Live" parts warning
		& Earth requirements; Fusing recommendations.
P01.1	COS	UAL Conditions of sale

<u>NOTE:</u> It is recommended that installation and maintenance of this equipment should be done with reference to the current edition of the I.E.T. (formally I.E.E.) regulations (BS7671) by suitably qualified/trained personnel. The regulations contain important requirements regarding installation and safety of electrical equipment. Specific installers should refer to local and national regulations.

### ORDER CODE:

State part number: STOM2

Optional extras include: Potentiometer, supply transformer, thyristor module, filter.



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# MICROPROCESSOR BASED 10V TO 440V DUAL MODE TRIGGER MODULE

STOM2

X10245

#### DESCRIPTION

The STOM2 is a microprocessor based trigger module capable of driving most power thyristors. The STOM2 has two modes of triggering control, phase-angle and burst-firing either can be selected separately. The module can also be used for soft-starting in phase-angle mode and it will automatically switch to burst-fire mode when the control signal has reached a preset level. The STOM2 has a soft-start from power up which can be set from 0-30 seconds. The signal inputs are fully isolated operating from either 0-5V dc or 4-20mA - accepting signals from temperature controllers, manual potentiometers, microprocessors etc.

### **APPLICATIONS**

Suitable for most resistive and inductive loads including ovens, moulders, and dryers Ideal for unusual heating loads which have very low resistance when cold.

### **FEATURES**

Energy saving	Soft start-facility	Phase-angle or burst-firing
Simple wiring	Standard 80mm fixing	Solid-state reliability
Isolated inputs	Rugged and compact	Load status indicator

### INSTALLATION

