

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

NOTE: It is recommended that installation and maintenance of this equipment should be done with reference to the current edition of the I.E.T. (formerly 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.



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
Simple wiring
Isolated inputs

Soft start-facility
Standard 80mm fixing
Rugged and compact

Phase-angle or burst-firing
Solid-state reliability
Load status indicator

INSTALLATION

RoHS Compliant



UNITED AUTOMATION LIMITED

Southport Business Park
Wight Moss Way
Southport, PR8 4HQ
ENGLAND

Tel: 0044 (0) 1704 - 516500
Fax: 0044 (0) 1704 - 516501
enquiries@united-automation.com
www.united-automation.com

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