

1 Introduction

This mains-operated soft-start power module gives an adjustable ramp up time of between 1 and 60 seconds. The unit also incorporates a 10 – 50% pedestal, which allows a variable set point of the start up voltage required on certain applications. These units are capable of soft-starting loads up to 25A (when mounted on a suitable heatsink).

2 Applications

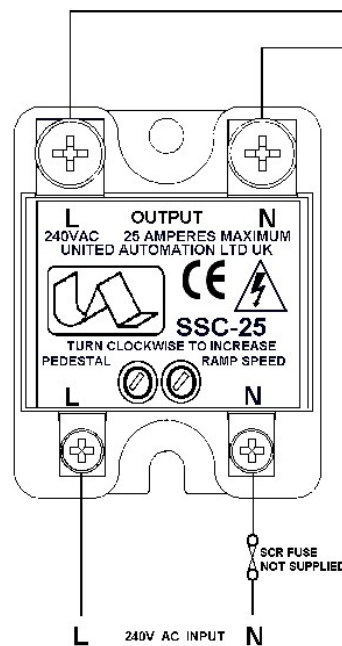
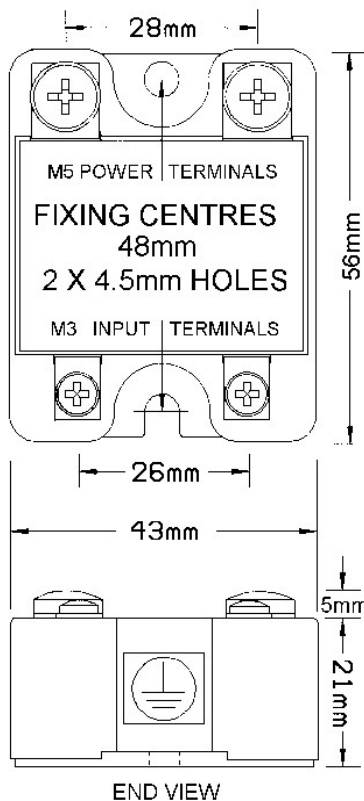
The unit is suitable for most resistive and inductive loads within voltage and power limitation, such as heat lamps, fans, pumps and other ac motor loads.

3 Features

- Compact and easy to use.
- Adjustable ramp up time.
- Adjustable pedestal.
- Simple wiring.
- High inrush capability.



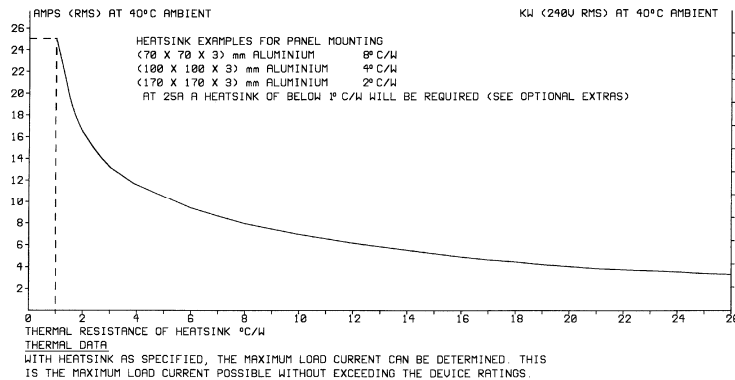
4 Installation



WARNING LIVE TERMINALS
SWITCH OFF MAINS BEFORE
COMMENCING ANY SERVICING WORK.
THIS UNIT MUST BE EARTHED

FIXING REQUIREMENTS
FOR 25A OPERATION THE UNIT SHOULD
BE FASTENED TO A HEATSINK RATED AT
1.3°C PER WATT @ AMBIENT TEMPERATURE
OF 35 C. EARTH THE HEATSINK USING A 4mm
SCREW OR BOLT TOGETHER WITH A STAR
WASHER, ENSURING THAT THERE IS A GOOD
METAL TO METAL CONTACT BETWEEN THE
BASE AND THE HEATSINK.
HEATSINK PASTE IS ESSENTIAL.
(SEE COOLING REQUIREMENTS PAGE 2)

4.1 Cooling Requirements



5 Specifications

AC system line voltage	110/230V ± 10%	Line frequency	50/60Hz
Unit limiting RMS current	25A	L ² t for fusing	250A ² s
Triac limiting RMS current	26A	Isolation voltage	5kV rms
Minimum operating current	200mA	Ramp time	1 to 60 seconds
Unit current consumption	20mA dc max.	Pedestal	10 to 50%
Operating temperature	-20 to 85°C	Storage temperature	0 – 65°C

6 Fusing

It is recommended to use semiconductor (fast-acting) type fuses or circuit breakers (Semiconductor - MCB) for unit 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.

7 CE Marking

This product family carries a "CE marking". These phase angle type controllers require a suitable remote filter. For information see recommendation section and contact our sales desk. (See the Declaration of Conformity).

8 Recommendations

Other documents available on request, which may be appropriate for your application:-

Code	Identity	Description
X10229	RFI	Filter recommendations: Addressing the 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, Earthing Requirements and 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.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 IEC 950.

9 Order Code






Part Number	SSC25
Optional extra	Heatsink Assembly



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