



PSR - 25

The PSR-25 Power Control Module is a high power, full wave AC phase angle controller in a compact package, capable of regulating up to 6KW (25A) 230V ac. The PSR-25 regulator governs the amount of power supplied to the load, by controlling the phase angle of the AC supply. The low thermal impedance and high electrical isolation provides the equipment designer with a greater flexibility in a wide variety of applications.

APPLICATIONS

- Ovens
- Fish & Chips
- Restaurant's
- Hospitality
- Quartz Lamps / Heat Lamps
- Moulders
- Dryers and
- Some inductive loads, for example transformers and motors



FEATURES

- Solid state reliability.
- Epoxy encapsulated.
- Simple wiring.
- Rugged and compact.
- High current capability.
- Internal snubber.

TECHNICAL SPECIFICATIONS

AC Line Voltage	110 / 230V +/-10% @ 50/60 Hz
Peak one cycle surge (10ms)	250A
I ² t for fusing	250A ² s
Isolation Voltage	5000Vrms
Max. operating temperature	65°
Storage Temperature	-20°C to +85°C
Unit limiting RMS Current	25A
Max. Peak Voltage	600Vac
Min. Operating Current	200mA
Leakage Current	5mA
Manual Potentiometer (nominal)	250K 1W @230Vac
	110K 1W @ 110Vac



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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 SRA datasheet for information.

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

It is recommended that installation and maintenance of this equipment should be done with reference to the current edition of the I.E.T. regulations (BS7671) by suitably qualified/trained personnel. The regulations contain important requirements regarding the safety of electrical equipment. For International standards refer STANDARDS on D of C.

OPTIONAL EXTRAS

Product Code	Product Description
A-EN2010-30-S	30A 10 series EMI Single phase Chassis Mount filter
A403079	PSR/TPSR 100K Pot & Leads c/w Min Set Eyelet Crimps
Z01062	Heatsink Compound Syringe (Must be applied while fitting)

Note: When ordering a filter, the current at which the PSR is to be used at will be required.

PRODUCT CODE AND RELATED PRODUCT CODE

Product Code	Product Description
A01725	PSR-25 High Power Phase Angle AC Regulator