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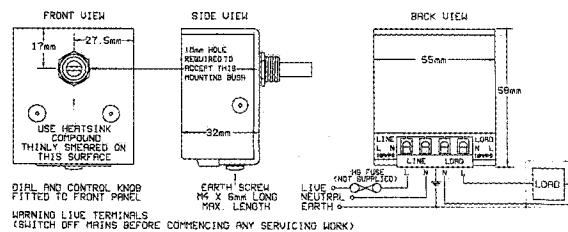
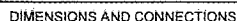
Email : info@viamed.co.uk.

ZVS
16DV
X1024G

The ZVS 16DV is a dual voltage, 16A enclosed compact energy regulator for manual proportional control of power to resistive loads using variable bursts of energy. The burst firing circuit provides trigger pulses coincident with the mains polarity crossover, ensuring complete sine wave cycles are passed through to the resistive load. This prevents fast changes in load current and inhibits RFI (radio frequency interference) which is normally found with switches, relays and phase angle fired triacs of similar devices. The output is block bursts, with a full 0 to 100% range.

Virtually all resistive heating loads including ovens, furnaces, hot plates, extruders, moulders, space heating, boilers, dryers, soldering pots and irons, heating tapes, stress relieving, smelters and heating mantles.

- Input voltage range suitable for 110V to 230V ac
- Load rating range - resistive, from 0.1 to 3.7kW @ 230V and 0.1 to 1.8kW @ 110V ac
- High surge 28A power device
- No remote filter requirements - Zero Voltage Switching control
- Wire protective screw fixing terminal block connections



ANSWER SHEET	ANSWER SHEET
24	
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Maximum RMS on-state current	18A	ft for fusing	128 A ² s
Peak one cycle surge current	200A	Weight (approx)	105g
Maximum supply voltage +/+10% @ 50/60Hz	230V	Maximum c.s.a Cable entry	2.5mm ²
Minimum supply voltage -/-10% @ 50/60Hz	110V	<i>further dimensions</i>	
Maximum peak repetitive voltage	600V	Shaft diameter (1/4 inch)	6.3mm
Maximum Power consumption	6W	Shaft projection from bush	13mm
Operating and storage temperature range	-20 to +85°C	Bush length	7mm
Isolation voltage	2500V rms	Fixing hole diameter	10mm

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 Data sheet for further information.

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

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/cooing; 'Live' parts warning & Earth requirements; Fusing recommendations.
AP0214	COS	UAL Conditions of sale

AP02/4

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 I.E.C. 953)

State product description

ZVS 16DV

OPTIONAL EXTRAS: Standard Knob; ZVS Dial; Heatsink compound

