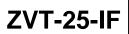


# BURST FIRED FLICKER INHIBITED 25A TEMPERATURE CONTROLLER



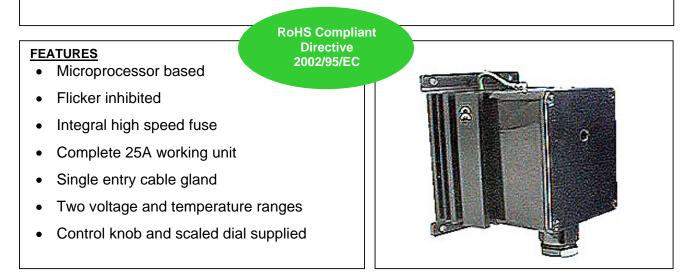
## **INTRODUCTION**

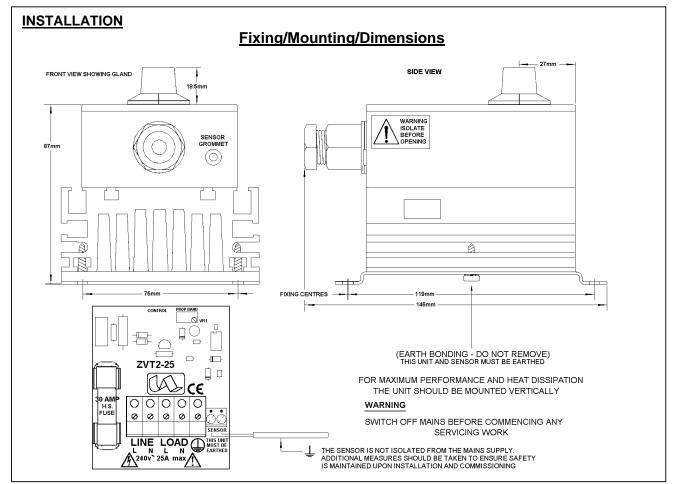
The ZVT-25 is a linear precision temperature controller. This stand - alone OEM unit, with 25A current capability, is ideal for high power, closed loop temperature control applications. Using variable on/off bursts of complete mains cycle energy, coincident with mains zero cross-over to avoid RFI problems.

The high current triac, fuse, terminals and all main parts are enclosed and it is mounted on an integral heatsink to ensure long life with reliable high ambient temperature operation. The controller is supplied with a control knob and ZVT scaled dial (0 to 40°C or 0 to +150°C). The temperature sensor is ordered separately and is not included with the unit.

# **APPLICATIONS**

Suitable for temperature control of single - phase resistive heaters, ovens, dryers, hot plates and flexible heater mats.





# **SPECIFICATIONS**

Triac limiting RMS on-state current. Peak single cycle surge current. Integral high speed (semiconductor) 30A ferrule fuse. Supply voltage for ZVT2. Supply voltage for ZVT1. Temperature control range. Calibration accuracy of full scale. Isolation voltage (typical) Proportional band (internal screw adjust 'typical'). Scale (54 x 46 mm linear & adhesive backed). Maximum c.s.a. cable entry. Operation temperature range. Storage temperature range. Control stability (typical). Weight. Overall dimensions.

#### further dimensions

Shaft diameter Shaft projection from bush Bush length Fixing hole diameter 26A 200A 10mm Ø x 38mm long 230Vac +/- 10% @ 50/60Hz 110Vac +/- 10% @ 50/60Hz 0-40°C / 0-150°C 3% 2500V rms 5-15% 0 to +150°C 2.5mm 0 to +65°C 0 to 65°C 1% 125g (see Installation section)

6.3mm (1/4 inch) 13.0mm 7.0mm 10.0mm

### FUSING:

A semiconductor, fast acting type fuse, is supplied as standard for unit protection. On initial operation, some loads may need an increased Factor of Safety (F of S) for unit and/or device protection. For spares or replacements contact our sales desk.

#### CE MARKING

This product family carries a "CE" marking. For information see recommendation section and contact our sales desk.

	RECOMMEN	RECOMMENDATION	
l	Other documents, which may be appropriate for your applications, are available on request.		
l	CODE	IDENTITY	DESCRIPTION
l	X10229	RFI	Filter recommendation - addressing EMC Directive
l	X10213	ITA	Interaction, uses for phase angle and for burst fire control.
l	X10255	SRA	Safety requirements - addressing the Low Voltage Directive (LVD) including:-
			Thermal data/cooling; "Live" parts warning & Earth requirements; Fusing recommendations.
l	X10612	ZVT E-10K3A1	ZVT enclosed flicker inhibited NTC sensor Installation sheet
	AP02/4	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 IEC950.

ORDER CODE:	ZVT (110V /230V)-25A-(Flicker Inhibited)- (Temperature range – 0-40°C / 0-150°C)
State part number:	ZVT (1/2)-25-IF- (0-40°C/0-150°C) – Please select required voltage and temperature range
Extras:	ZVT-E-10K3A1 Enclosed sensor



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