X10356 – UV11/D
Vibrator Controller 240/415V
Issue 3

1 Introduction

This dual voltage half-wave vibrator controller can be set to operate at either 240V or 415Vac line voltage. The unit can be calibrated to accept a wide range of voltage or current control signals. Alternatively, a potentiometer can be fitted for manual vibration control. The controllers are fitted with a 26A high current device and RC snubber network to maximise the performance on inductive loads

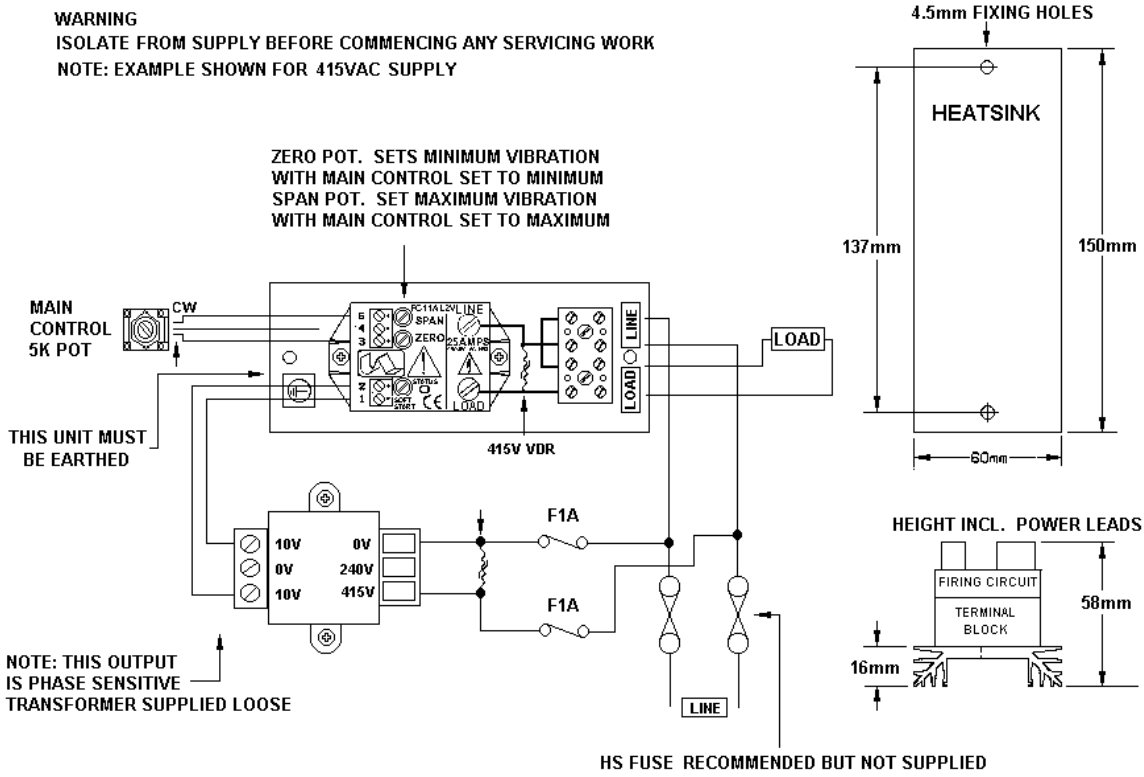
2 Applications

Most half wave AC vibrator loads such as Bowl feeders and Linear screen vibrators.

3 Features

- Solid state reliability.
- Built in Heatsink
- Simple wiring.
- Rugged and compact
- Energy Saving.

4 Installation



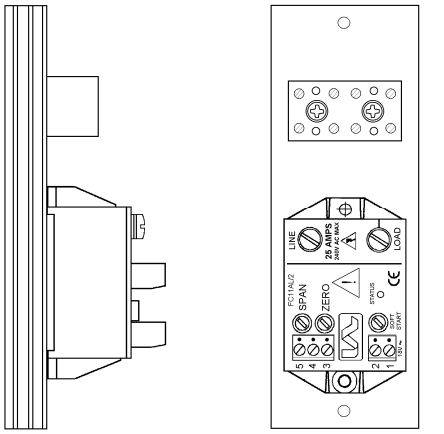
UNITED AUTOMATION LTD

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

Tel: 0044 (0) 1704 – 516500
enquiries@united-automation.com
www.united-automation.com
unitedautomationltd UA_Limited

4.1 Cooling Requirement

THIS UNIT SHOULD BE MOUNTED VERTICALLY TO AID AIR FLOW



5 Technical Specifications

Signal span minimum	0-5V dc	**AC input power (1&2)**	12 to 18V ac @ 65mA
Signal span maximum	0-25V dc	**Auxiliary output (5)**	5Vdc
Signal zero offset	0-30% of span	**Triac limiting RMS current**	26A
Signal input resistance	5000 ohms ± 20%	**AC line voltage 50/60Hz**	240V or 415V
Manual potentiometer	2K, 5K or 10K	**Peak single cycle surge current**	250A
L^2t for fusing (10m sec)	250 A^2s	**Power consumption**	1.7W
Soft start time constant	0-20 seconds	**Max. peak voltage**	600V
Isolation voltage	2500 Vrms	**Current rating**	11A
Max. working temperature	65°C operational	**Storage temperature**	-20°C to +85°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 SRA Datasheet for further information).

7 CE Marking

This product family carries a "CE marking". This controller needs a suitable remote filter. For information see recommendation section and contact our sales desk. (See Declaration of Conformity).

8 Recommendations & Safety Requirements

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

Code	Identity	Description
X10229	RFI	Filtering 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.T. (formally 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.

9 Order Code

State Part Number	UV11/D 240/415V

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