

X10345 – UV6D

Half Wave Controller PCB

Issue 3



1 Introduction

This single-phase half wave controller with integral 10A device has been designed to operate on either 110V or 240V inputs. Its simple 2 wire connections plus Earth allows for easy installations. The output is set by use of a 25K potentiometer with a cermet mounted on the PCB for minimum settings when required.

2 Applications

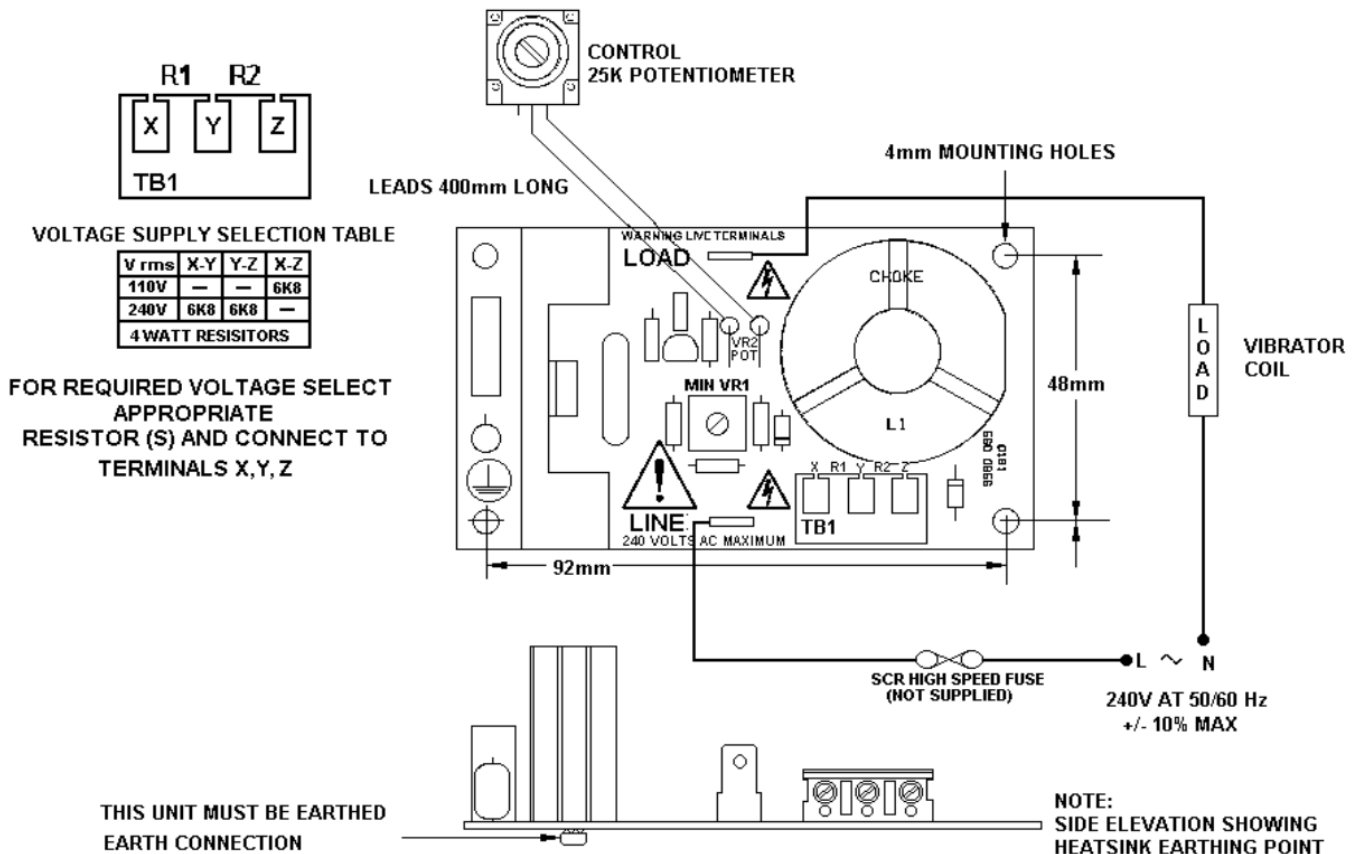
Vibrator coils.

3 Features

- Solid state reliability
- Dual voltage
- Simple wiring
- Adjustable minimum output
- Energy Saving



4 Installation



Southport Business Park
Wight Moss Way
Southport, PR8 4HQ
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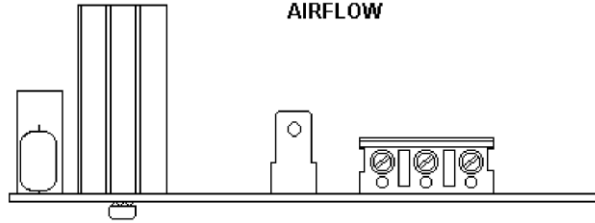
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4.1 Cooling Requirement

NOTE:- THIS UNIT
 SHOULD BE MOUNTED
 HORIZONTALLY TO AID
 AIRFLOW



5 Technical Specifications

Supply	110 or 230V AC ± 10% @ 50/60Hz
Unit RMS Current Rating	6A
Peak Single Cycle Surge Current	100A
Thyristor Limiting RMS Current	10A
I ² t for Fusing (10ms)	18A ² s
Maximum Peak Voltage	600V
Minimum Operating Current	200mA
Storage Temperature Range	0-85°C
Operating 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 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 applications:

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, Fusing Recommendations
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 IEC 950).

9 Order Code





State Part Number	UV6D + voltage
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