

# X10311 – UV15/D

## Half Wave Controller

### Issue 3



### 1 Introduction

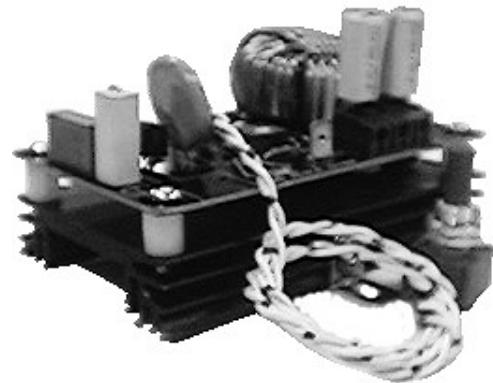
This single phase half wave controller with integral high current device, has been designed to operate on either 110V or 240Vac supplies. Its simple 2 wire connection plus Earth allows for easy installations. The output is set by use of a 25K potentiometer with a cermet mounted on the PCB for minimum settings where required.

### 2 Applications

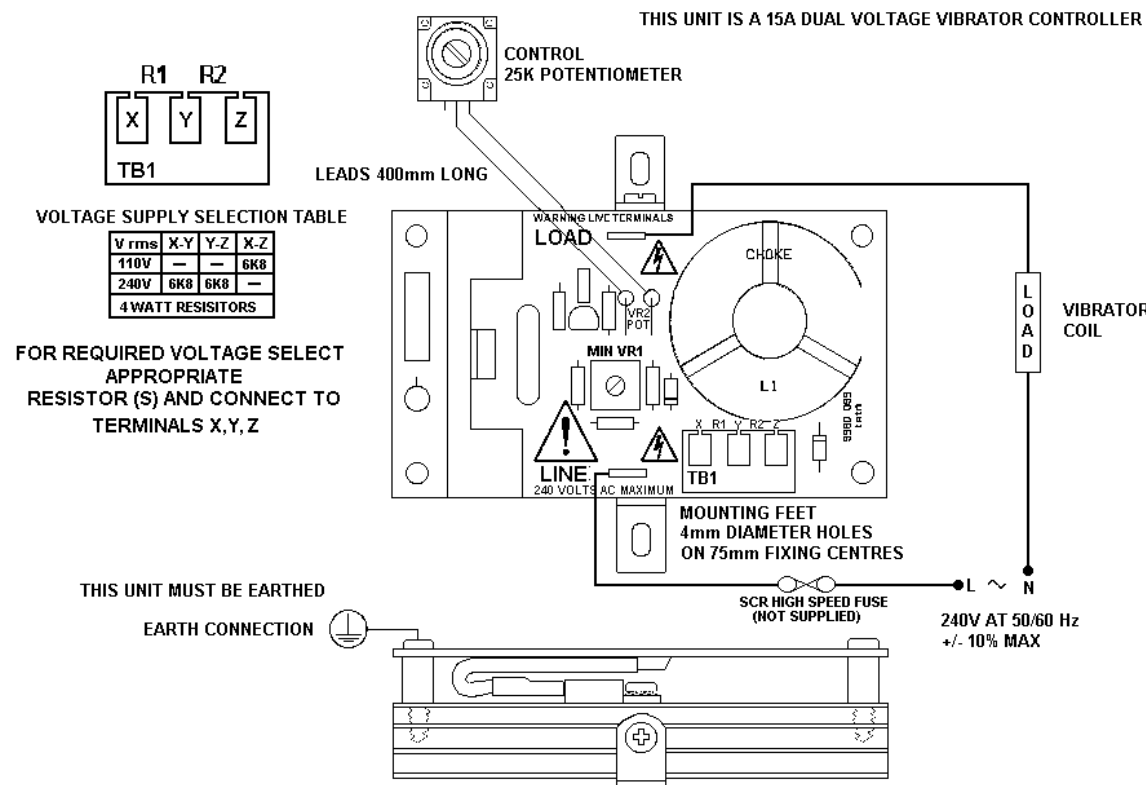
Vibrator coils

### 3 Features

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



### 4 Installation



**WARNING: ISOLATE FROM MAINS SUPPLY BEFORE COMMENCING ANY SERVICE WORK. (SEE SRA AND ITA DATA SHEETS)**  
**NOTE: REMOTE POTENTIOMETER LEADS ARE AT HAZARDOUS LIVE POTENTIAL AND OTHER COMPONENTS ARE, OR IN FAULT CONDITIONS MAY BECOME HAZARDOUS LIVE.**

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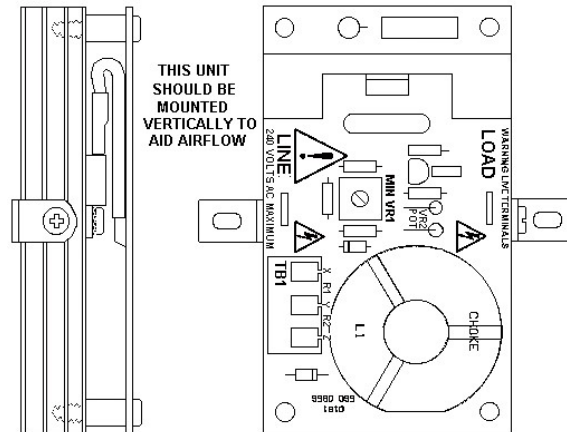
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#### 4.1 Installation



## 5 Technical Specifications

Supply	110 or 230Vac +/- 10% @ 50/60Hz
Unit RMS Current Rating	15A
Peak Single Cycle Surge Current	500A
Thyristor Limiting RMS Current	50A
L <sup>2</sup> t for Fusing (10ms)	112A <sup>2</sup> s
Maximum Peak Voltage	1000V
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/device 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 and incorporates a filter. For more information see recommendations 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
X10378	ILR	Inductive loads remedy sheet for use with phase angle controllers
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	QLC/RFI-17A + (supply voltage)
Optional Extras	Knob, Dial, Heatsink Paste, Filter

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