

SPECIFICATIONS

| | |
|--------------------------------|----------------|
| AC system line voltage | 110/230V ± 10% |
| Line frequency | 50/60Hz |
| Minimum offset at 110V | 0-50% |
| Minimum offset at 230V | 0-50% |
| Conduction phase angle typical | 0-160° |
| Controlled phase angle typical | 30 to 160° |
| Isolation voltage | 2500V rms |
| Maximum leakage current | 6mA |
| Storage temperature | -20 to 85°C |
| Operating temperature | 0 to 65°C |
| Mounting hole diameter | 10mm |

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 the SRA Datasheet for further information).

CE MARKING

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

RECOMMENDATION

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/cooling ; "Live" parts warning & Earth 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 I.E.C. 950).

ORDER CODE:

State part number: MAT.
Optional extras include: Triac, Heatsink assembly.



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Page No. 2 of 2 Issue 2

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Enquiry@united-automation.com
Date 16/12/99

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MANUAL PHASE ANGLE TRIAC TRIGGER MODULE

MAT

X10224

INTRODUCTION

The MAT is a variable phase angle triac trigger module. It is a compact, safe and tamperproof unit capable of driving all typical triacs on 230/110V ac regulator circuits. The unit has an inclusive manual control potentiometer and minimum output trimmer built in a industrial panel mounting enclosure.

APPLICATIONS

Suitable for most ac resistive or inductive loads via a triac, on single phase to neutral supplies, within voltage limits.

FEATURES

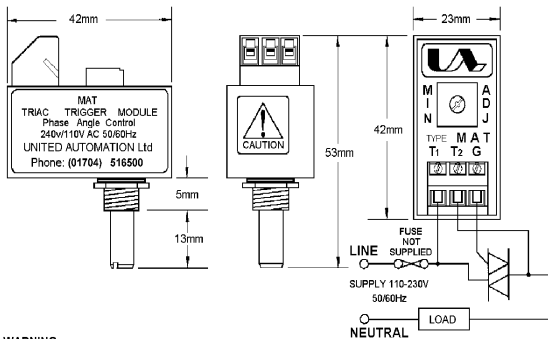
- Compact and easy to use
- Solid state reliability
- Single hole panel mounting
- Minimum offset
- Highly efficient



RoHS Compliant
Directive
2002/95/EC

INSTALLATION

DIMENSIONS AND CONNECTIONS



WARNING

LIVE TERMINALS: SWITCH OFF MAINS SUPPLY BEFORE COMMENCING ANY SERVICING WORK.



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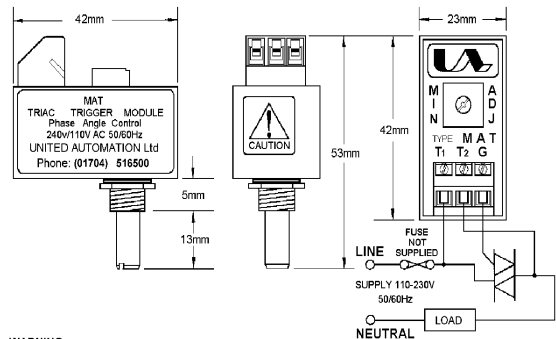
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