



# F-SERIES RFI SUPPRESSION FOR SINGLE PHASE POWER REGULATORS

## F-RFI

X10229

### INTRODUCTION

Phase-angle power controllers generate Radio Frequency Interference (RFI) during each half-cycle of the mains waveform when the power is switched on. In sensitive applications this interference, or interaction with other equipment, must be suppressed to comply with the Electromagnetic Compatibility Regulations 1992 (SI 1992 No.2372). Appropriate suppression may be achieved by the addition of a series choke and capacitor network incorporated in a filter module. The F-type series filter modules have been manufactured to complement the UAL range of phase angle power controllers.

### INSTALLATION

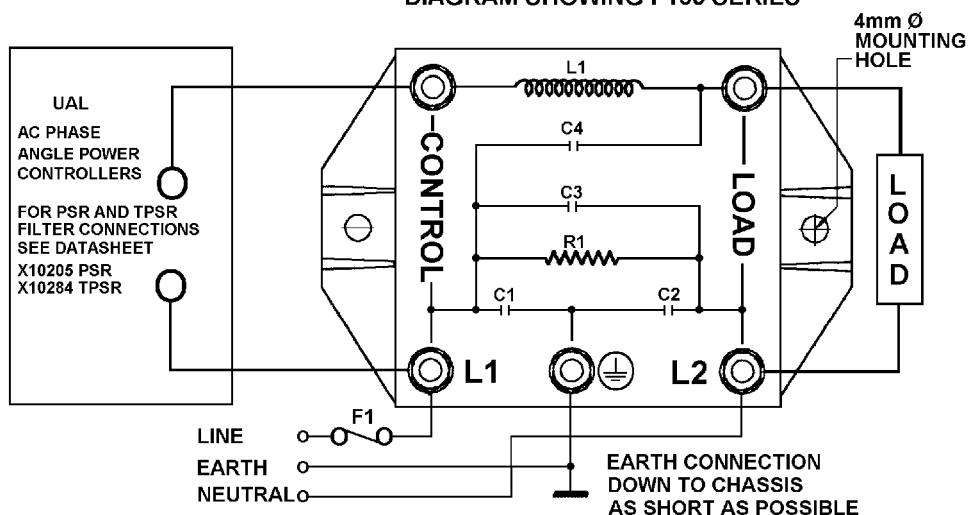
**FUSING**  
SEMICONDUCTOR FUSE (F1)  
OR CONTACT BREAKER  
RATED AT LINE CURRENT

RoHS Compliant  
Directive  
2002/95/EC

**WARNING LIVE TERMINALS**  
**THIS UNIT MUST BE EARTHED**

### CONNECTIONS

DIAGRAM SHOWING F165 SERIES

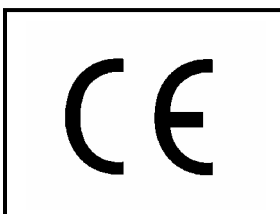


### CE MARKING

This product range is CE marked and may be used as a type filter for CSR, QVR, AVR, FC11AL2, STOM1 and other phase angle applications with appropriate matching current capability, e.g. Stacks and Firing circuits. For classification of 'type' filter refer to products family Declaration of Conformity. The standard filter units comply with the industrial emission levels BS EN 55022 Class A.

Max current	Choke Induction L1	Order Code	Dimensions in MM	Terminals
3A	900µH	F155-3A	W44 x L72 x H45 x FC64	1/4" Amp Tag
6A	635µH	F155-6A	W44 x L72 x H45 x FC64	1/4" Amp Tag
10A	330µH	F155-10A	W44 x L72 x H45 x FC64	1/4" Amp Tag
15A	250µH	F165-15A	W62 x L92 x H45 x FC80	M4 stud & nut
25A	200µH	F175-25A	W75 x L105 x H45 x FC64	M4 stud & nut

**VOLTAGE RANGE 110v TO 230v AC +/- 10% @ 50/60Hz MAXIMUM OPERATING TEMPERATURE 70°C  
HIGHER CURRENT AND VOLTAGE RATINGS AVAILABLE ON REQUEST**



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