

ELMDENE

Protecting People & Property

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MFR-1 Mains Fail Relay PCB

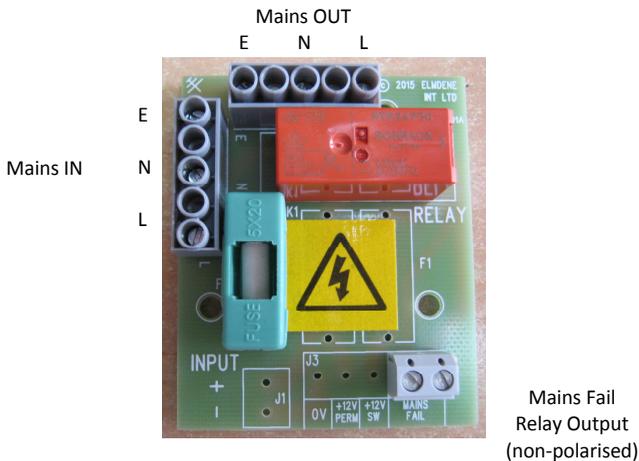
FEATURES

- 230Vac Mains Fail Relay
- N/C (Fail safe) operation & monitoring
- Supplied with PCB standoffs
- Ideal for use with most Power Supplies or mains powered equipment where mains fail signalling is required.

OPERATION

The MFR-1 is used to provide *Mains Fail* indication using a volt-free relay contact; the relay is de-activated on loss of mains supply providing mains failure signalling. Under normal conditions when the mains supply is present the device provides normally closed contacts which open on loss of mains. (Fail safe operation).

CONNECTIONS



INSTALLATION

Note: Conduct all connections with power removed.

1. Mount the PCB on the supplied installation mounts - the push fit types are recommended in warm environments (e.g. within a PSU enclosure), where the self adhesive type may 'dry out'.
Note: The push fit PCB mounts require 3 x 5.2mm mounting holes (max panel thickness: 1.2mm).
2. Connect the mains Live / Neutral / Earth to the Mains IN terminal (See picture on page 1).
3. Connect 'Mains OUT' Live / Neutral / Earth to power supply mains input terminals.
4. The mains fail monitoring relay contacts are available on the 2-way Mains Fail connector.
5. To test, apply mains supply - with a multimeter check the Mains Fail contacts are closed. Remove mains supply and check the Mains Fail contacts open.
6. Restore the mains supply.

DISPOSAL OF PRODUCT AT END OF LIFE

This product falls within the scope of EU Directive 2012/19/EU Waste Electrical and Electronic Equipment (WEEE). At the end of life, the product must be separated from the domestic waste stream and disposed via an appropriate approved WEEE disposal route in accordance with all national and local regulations.

For more information see: www.recyclethis.info

SPECIFICATION

Maximum Input Voltage	230Vac (nom) +/- 10%
Maximum Contact Current	8A @ 27.6Vdc
Operating Temperature	-10°C to 50°C

COMPLIANCE

This product meets the essential requirements of the following EU Directives:

RoHS2:	2011/65/EU
WEEE:	2012/19/EU
Low Voltage:	2014/30/EU



Explanation of symbols: (Not all may apply)



Fault Indication



Shock Risk - isolate before attempting access



Certification Level



Mains Present



Protective Earth



Do not dispose of in unsorted waste

Specifications subject to change without notice

*The packaging supplied with this product may be recycled.
Please dispose of packaging accordingly.*