

EFU-1 Composite Earth Fault Monitor (Halogen Free Optional)

Type **EFU-1** is part of the **Optima** range of low cost, high specification earth fault relays and is designed for a variety of single phase applications where space, economy and ease of installation are important considerations.

The **EFU-1** is compact, robust, and fully **HALOGEN FREE** encapsulated, providing high immunity against shock vibration and harsh environments and is available with a choice of factory set earth leakage trip levels from **10 mA to 300 mA**. The fast disconnection time and rugged construction make it eminently suitable for direct installation on plant or machinery to provide the optimum protection at all times.

Built into the **EFU-1**, are a core balance C.T. and a heavy duty, 2-pole relay with 3-mm contact clearance for line and neutral switching. Considerable savings of time and money result from the fact that there is **no need for an external C.T. or contactor!** An integral test and reset button are fitted as standard and colour coded fly leads are provided to facilitate connection.



Please refer to EFR range for medium and high current earth leakage protection or EFU50 for DC earth fault monitors.

See overleaf for full specification.

SPECIFICATION

Control Voltage	:	220 – 250V 50/60 Hz (other frequencies to special order)
Load Rating	:	25 Amp 240 Volts 2 pole independent mechanism with 3 mm contact clearance gap
Trip Current	:	10 mA - 300 mA (factory set)
Time Delay	:	30 mS nominal
Temperature range	:	-10° C to +55° C
Relative Humidity	:	95% non condensating
Controls	:	Integral test button and reset push button
Connections	:	Colour coded flying leads (500 mm standard length)
Construction	:	Totally encapsulated and housed in flame retardant ABS or HALOGEN-FREE enclosure
Mounting	:	35 mm din-rail or chassis mounting
Dimensions	:	75 mm x70 mm x 95mm (HxWxD)

CONTROL VOLTAGE	ORDER REFERENCE
220-250V	EP EFU12 * *
* *State voltage, trip current, and time delay required when ordering	

In line with our policy of constant improvements, we reserve the right to vary the specifications contained in this leaflet.

The services of our Technical support staff are available for assistance or guidance on earth leakage problems and possible solutions please contact us at:

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We manufacture a complete range of electrical safety products. Please contact us for further details.