



suparule



Sentinel EFI-50MLZ Earth Fault Indicator with Flashing LED Indicator

- Mains Powered
- LED Indication
- Auxiliary Relay Output
- Remote Indication Driver
- CE Approved

DESCRIPTION

The Sentinel Earth Fault Indicator (EFI) is an electronic relay used for the rapid location and isolation of earth faults on HV cable networks. The EFI can be used in radial networks or in openly operated ringed networks. The path of the fault current from the feeding point to the fault location is marked by the triggered EFI's. The defective conductor segment is located between the last EFI which has been triggered and the first EFI which is still inactive.

The mains powered Sentinel EFI's have been designed to work on both 230Vac / 50Hz and 110Vac / 60Hz systems. Since the mains voltage is also indicative of the health of the particular circuit being monitored, it is also used to automatically reset the EFI when healthy mains voltage is restored after a fault outage.

FEATURES

- Mains powered
- LED indication
- Auxiliary relay output contact
- Remote indication driver
- Split-core current sensor
- 50A nominal trip
- 50ms minimum fault duration
- Manual test facility
- IP65 environment protection
- Rugged and reliable electronics
- ISO9001 based quality assurance
- CE approved

SPECIFICATIONS

General

Network Volt. Range	1-36kV
Mains Volt. Range	110-230V +/-20% 50 - 60Hz
Trip Current	50A ±10A
Primary Indication	Mechanical Flag
Min. Fault Duration	2.5 cycles
Voltage Reset	230V for 8s; 110V for 15s
Manual Trip Test	Magnetic Swipe
Operating Temperature Range	-20°C to 70° C
Operating Humidity Range	0 - 100% RH
Dimensions	115mm x 65mm x 40m
Degree of Protection	IP65
Mass	250g
Current Sensor Diameter	Standard: 100mm CT3: 300mm
Aux. Relay Type	Latching, N/O 250Vac / 2A
Warranty	1 Year

Remote Indicator

Indication Method	Flashing LED @1 Hz
Flashing Duration	12 hours nominal
Dimensions	M12 Hex Bolt 50mm long

Distributor:

Suparule Systems Ltd.,
Lonsdale Road,
National Technology Park,
Limerick, Ireland.

Ph.: +353 (0) 61 201030
Fax.: +353 (0) 61 330812
Email: info@suparule.com
Web: www.suparule.com