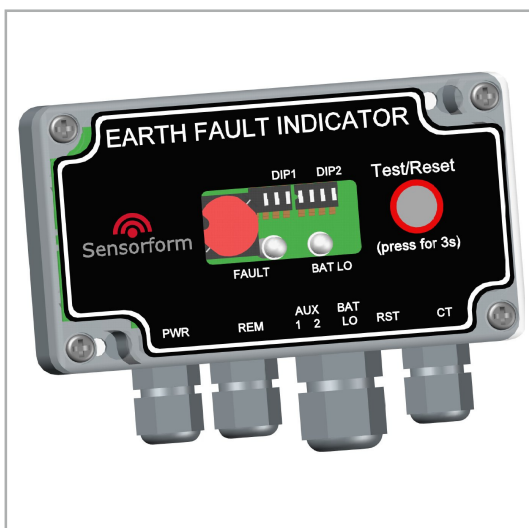




suparule



Sensorform **EFI+MFLZ**

Earth Fault Indicator with multiple AUX contacts

- Mains powered with battery or super-capacitor backup supply
- Mechanical Flag & LED primary indicators
- User-selectable trip level, response time, reset time, relay action
- Automatic reset of fault state when mains power is restored
- Manual reset by button on front panel or remote switch
- Aux Relay contacts for fault and low battery indication

DESCRIPTION

Sensorform EFI+MFLZ is one of a family of Earth Fault Indicator products that are designed to assist in the rapid location and isolation of faults on Medium Voltage networks (1-38kV) in single-sided feed or open ring main systems. When an asymmetrical current greater than the user-selectable trip level in a 3-phase cable is detected an earth fault is indicated by means of a mechanical flag indicator and high-intensity LED indicator.

A current sensor is fitted around the three phases of the cable system being monitored and detects a current imbalance due to an earth fault. An earth fault trip is indicated by a mechanical Flag Indicator, a red LED indicator and red Remote LED Indicator (fitted as optional).

A second amber LED, and an relay contact pair, provide low battery indication.

Two optional pairs of auxiliary relay contacts can be used for signaling a fault to other systems. These relays can be user-set to be either momentary or latched, normally open or closed.

FEATURES

- Powered from mains supply 110-240V AC
- Battery or Super-Cap backup supply when mains supply not present
- Mechanical Flag & LED primary fault indicators
- User-selectable fault trip level (optional)
- User-selectable fault response time (optional)
- User-selectable auto reset period (optional)
- Automatic reset when mains power is restored
- Manual reset of fault by button on front panel
- Manual reset of fault via remote switch/relay contacts
- Single or Triple LED Remote Indicator (optional)
- CT100 Current Sensor (standard)
- CT150 or CT300 Current Sensor (optional)
- Aux Relay contacts for alarm generation
- User-selectable AUX relay action type
- Rugged design suitable for outdoor use
- Relay contacts and LED for Low Battery Indication (battery backup units only)

SPECIFICATIONS

General

Power Source:	110-240V AC +/-20% 50-60Hz
Network Voltage Range:	1-38kV
Trip Current Level:	Fixed, or user-selectable from 4 levels
Primary Indication:	Mechanical Flag (Red) & Flashing High-intensity LED
Min. Fault Duration:	2.5 cycles, or user-selectable from up to 4 values
Inrush Rejection:	>300mS
Manual Reset:	Push-button on front panel or remote switch
Automatic Reset Period:	10 Sec after mains restore or time period user-selectable from up to 4 values
Self-Test:	Manual Push Button
Operating Temperature Range:	-20 °C to +70 °C
Operating Humidity Range:	0-100% RH
Dimensions:	115mm x 90mm x 55mm
Degree of Protection:	IP65
Current Sensor Diameter:	Standard CT100: 100mm Optional CT150: 150mm Optional CT300: 300mm
Remote Indicator (optional)	
Indication Method:	Flashing red LED(s) @ 1 Hz
Flashing Duration:	Until reset
Auxiliary Relays (optional)	
Type:	Latching or Momentary, NO or NC (user-selectable)
Rating:	220VDC, 250VAC, 2A
Lead type:	2-core, 0.5mm ² double Insulated
Warranty Period:	2 Years

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