



suparule



Sensorform EFI-BFZ-50

Earth Fault Indicator with Battery Operated Timer

- Powered from 3.6V ½ AA Lithium Battery
- Mechanical Flag indicator
- Automatic reset of fault state via user selectable 4 or 8 hour period
- Manual reset by front panel button or remote input (optional)
- LED Remote indicator (optional)
- Aux. Relay contact for remote alarm generation (optional)

DESCRIPTION

Sensorform EFI-BFZ-50 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 50A in a 3 phase cable is detected an earth fault is indicated by means of a Mechanical Flag Indicator.

A current sensor is fixed around the three phases of the cable system being monitored and will detect a current imbalance due to an earth fault. An earth fault trip is indicated by a Mechanical Flag indicator on the unit together with a second LED based Remote Indicator (optional). An auxiliary relay contact is also provided as an optional extra for signaling an alarm to other systems. In an open ring network 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 that has been triggered and the first EFI which is still inactive.

FEATURES

- Powered from 3.6V ½ AA Lithium Battery
- Mechanical Flag indicator
- Automatic reset of fault state on user selectable 4-hour or 8-hour period
- Manual reset by Test/Reset button on the front panel or Remote Reset Input (optional)
- CT100 Current Sensor (standard)
- CT150 Current Sensor (optional)
- CT300 Current Sensor (optional)
- LED Remote indicator. (optional)
- Aux. Relay contact for remote alarm generation (optional)
- Rugged design suitable for outdoor use

Distributor:

SPECIFICATIONS

General

Power Source:	3.6V Lithium ½ AA 1200mAh
Network Voltage Range:	1-38kV
Trip Current:	50A±10%
Primary Indication:	Mechanical Flag (RED)
Min. Fault Duration:	2.5 cycles
Manual Reset:	Push button on front panel or Remote Reset Input (optional)
Auto Timer Reset Period:	4 hour or 8 hour selectable
Manual Self-Test:	Push button on front panel
Operating Temp. Range:	-20 °C to +70 °C
Operating Humidity Range:	0-100% RH
Dimensions:	115mm 65mm x 40mm
Degree of Protection:	IP65
Mass:	250g
Current Sensor Diameter:	Standard CT100: 100mm Optional CT150: 150mm Optional CT300: 300mm

Remote Indicator (optional)

Indication Method:	Flashing LED @1 Hz
Flashing Duration:	>1000 hours continuous
Dimensions:	M12 Hex Bolt 50mm long
Automatic Timer Reset	Same as above

Auxiliary Relay (optional)

Type:	Latching, N/O on reset
Rating:	220VDC, 250VAC, 2A
Lead type:	2-core, 0.5mm ² double Insulated

Warranty Period: 2 Years

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