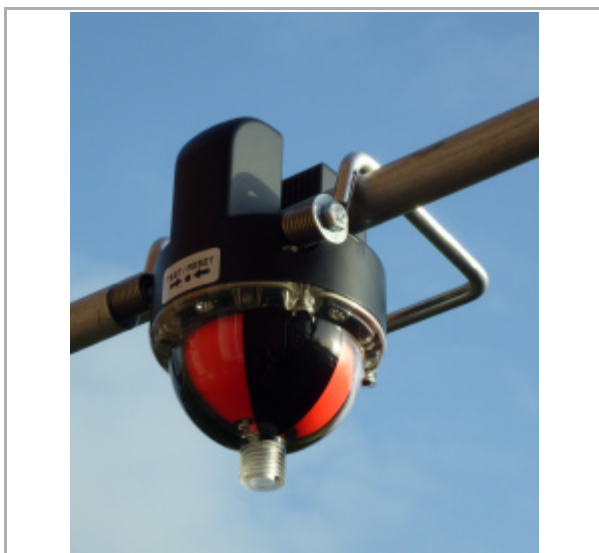




suparule



Sensorform OFI-FLS

Fault Indicator for MV Overhead Lines

- Flag & Hi Power LED 360° Indication
- Automatic reset on line re-energisation
- User-selectable trip level, response time, timer-reset & auto-reset periods
- Test & manual reset from ground
- Line mountable with standard hot-stick
- Self-powered from long-life battery

DESCRIPTION

The Sensorform OFI-FLS is a Fault Passage Indicator for Overhead Lines, which is designed to assist in the rapid location and isolation of faults on Medium Voltage networks (1-38kV). When the current in the phase exceeds a preset level, the fault is indicated by means of both a mechanical flag indicator and high-intensity LED indicators.

The OFI is mounted to the overhead phase conductor using a standard hot-stick. A spring-loaded clamp mechanism fixes the unit to the line, and prevents it from movement due to high winds, etc.

A high accuracy current sensor in the OFI, monitors the phase current flowing. When that current level exceeds a user-selectable threshold (as a result of a phase-to-phase or phase-to-ground fault) the fault is indicated by both a mechanical Flag Indicator, and 4 flashing, hi-power LED indicators. The path of the fault current from the feeding point to the fault location is marked by the triggered OFI's. The fault is located between the last OFI that has been triggered and the first OFI which is still inactive.

The unit resets either automatically when power to the line is restored, after a user-selectable timer period, or manually via a hot-stick mounted magnet.

FEATURES

- Hot-stick Line-mountable
- Dual indication (Hi-Visibility Flag & Hi-Power LEDs)
- High Visibility: 50m by day, 200m at night
- User-selectable fault trip level
- User-selectable timed reset period
- User-selectable fault response time
- User-selectable reset time after power return
- Automatic reset of fault state on line re-energisation
- Manual remote reset from ground level

Distributor:

SPECIFICATIONS

Network Voltage Range:	1-38kV
Trip Current:	User-selectable from 8 levels between 100 - 1000A
Trip Level Accuracy:	+/- 10%
Indication Method:	Mechanical Flag (Red) / Hi Power Flashing LEDs
Visibility:	50m in Daylight / 200m in Darkness
Automatic Reset:	On return of line current (min. 10A)
Automatic Reset Period:	User-selectable 10-30 sec after power return
Timed Reset:	User-selectable 1 - 8 hrs
Manual Reset/Self-test:	Via magnet on hot-stick
Inrush Rejection:	> 200mS
Conductor Size:	8 - 25.5 mm dia.
Fault Response Time:	User-selectable 20 - 200mS
Operating Temperature Range:	-20° C to +70° C
Operating Humidity Range:	0-100% RH
Impulse Current withstand:	25kA for 170mS
Power Source:	Long-life 5.5Ahr user-replaceable Li Battery
Degree of Protection:	IP65
Dimensions:	115mm dia. x 195mm h
Mass:	600g
Warranty Period:	2 Years

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