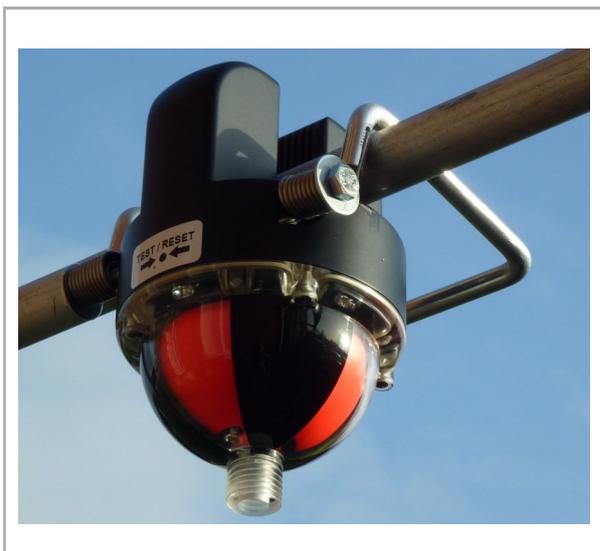




suparule



## 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

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

Suparule Systems Ltd.,  
Suparule House,  
Holland Road,  
National Technology Park,  
Limerick, Ireland.

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