**Overview**

Fault Passage Indicator is designed to detect and indicate Earth fault (phase-to-ground) and Short circuit faults (phase-to-phase) on overhead distribution lines. The unit will indicate a fault condition when current is detected above set trip current settings and fault information is instantaneously sent to the central server for further actions. This enables the operator at dispatch center to immediately identify the fault location and quick actions can be taken to recover power outage.

If the current exceeds programmed set current for programmed response time (i.e. if fault occurs for t>= response time) the fault will be indicated by flashing LED. Reset occurs automatically by preset time passage (adjustable) or manually on-site or can be done remotely from data centre. Configurable parameters need to be programmed at the time of installation thus avoiding unauthorized field tampers.

**FPI Functions**

* Over current fault sensing  (Detection time: 20~25 ms)
* Configurable trip current settings (Range: 50-600A)
* *Fault Response**Time*: Adjustable, 25-250ms
* Auto mode configuration to detect any current fluctuations
* Self-powered device with internal rechargeable battery
* Remote monitoring of fault alarms
* *Fault Indication Reset*: Remotely/ Manually on-site/ Automatically by configured timer
* Configurable fault indication time i.e. flash lamp ON time (30mins/ 1hour/ 2hours/ 4 hours)
* *Rated Voltage*:  11 ~ 36 KV
* *Rated  Current*:   10 ~ 200 A

**Specifications**

|  |  |
| --- | --- |
| Short Circuit Trip Current (Phase to Phase) | Adjustable, 50-600A |
| Earth Fault Trip Current (Phase to Ground) | Adjustable |
| Fault Response Time | Adjustable, 20-250ms |
| Fault Indications | Flash lamp & Server update |
| Indication of | **Short Circuit**: Red LED  **Earth Fault**: Green LED |
| Modes of Reset of Indicator | -Remote Reset  -Manually on-site  -Automatic reset by configured timer |
| Dimensions (mm): | Length: 187, Diameter: 126 (Bottom), 96 (Top) |
| Protection | IP65 |
| Operating Temperature Range | 0°C to 70°C |
| Power Supply | Rechargeable Li-ion battery |
| Connection & Mounting | Self-lock connector at the rear end of the device mounted directly on to overhead line |