



Product Description

[Smart Fault Indicator (SFI) (Single)]

SFI (Single) detects faults on a distribution line showing white and red LED flashing.

1. General Scope

EMT Smart Fault Indicator (SFI) is a useful and reliable electrical equipment to find out fault location on the overhead distribution lines.

Basically, it - SFI Single - shall make LED flashing in visible when it detects fault current on the downstream distribution line. Its fault location of distribution line is quickly recognized and helps a patrol man to recover power outage.

2. General Specification

Rating Voltage 3 ~ 75 kV

Rating Current up to 1000 A

Rating Frequency 50 / 60 Hz

Fault Detection Phase to phase fault

Phase to earthing fault

Fault Current Pick-up Automatic set of fault triggering algorithm

Different Flashing Indication between Transient and Permanent Fault White LED Flashing (Transient Fault)

Red LED Flashing (Permanent Fault)

* White LED Short Interval Flickering for Reclosing Progressing

Flashing Indication Signal Time ½, 1, 2, 4, 8, (16) hour(s)

Low Battery Indication Green LED signal

3. Smart FI Function

1) Inrush restrain specific algorithm integrated

2) Indication test function for transient fault, permanent fault, and reset signal

* Fault triggering signal test probe : 1 each provided every 50 FI

3) Live line mounting and dismantling on hot line by hot stick

* Installation hot stick (optional)

4) Self power charging device : DC 3.7 v

4. Smart Fault Indicator Operation Schematic Diagram

* In case of transient fault (within 3 minutes) at "A" point :

SFI shall be flashing LED (white color) during the set time

* In case of permanent fault (over 3 minutes) at "B" point :

SFI shall be flashing LED (red color) shall be flashing during set time, and immediately stopped when the live voltage is recharged.