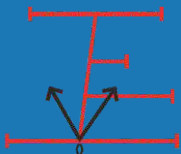
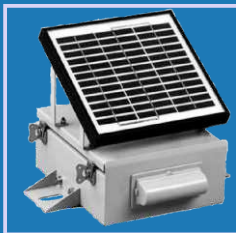




Overhead Line Fault Indicator (Clip-On Fault Passage Indicator)



**Float Power
Systems & Controls**

Fault Indicating System - Sub Transmitter (DCU)



The FPSC-ST-S1 sub-transmitter is used to receive the signal from the fault indicators, then decodes the signals, sends them to command and control location via GSM message or GPRS.

Main Features

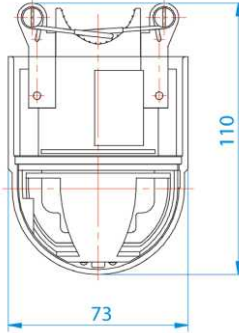
- Receives wireless signals sent by fault indicators.
- Transmits the location of the transmitter and fault information to the monitoring station through GPRS or by SMS through GSM.
- Operates on alternate power source: Inbuilt maintenance free rechargeable 1.3AH battery.
- Solar Panels are attached on the exterior to provide power for the functioning of sub transmitter during day time, as well as recharge the batteries.
- Once fully charged, the battery can support operations for up to 15 days.

Technical Specifications

Description	Specification
Line Voltage	Up to 35kV
Operational Temperature Range	-15°C To 70°C
Operational Voltage	6VDC ±20%
Static Power Consumption	< 0.02W
Wireless Communication Frequency	433mhz
Wireless Communication Distance	3 - 20m
Communication Model	E-GSM/GPRS 900/1800
SM Card Voltage	3.5V
Maximum No Of Indicators Per Sub Transmitter	6
Battery Life	5 Years
Weight	Less Than 5 Kg
Dimensions	125mm X 220mm X 220mm

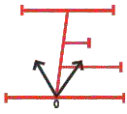
Clip-On Fault Passage Indicator

FPSC-WFI-COM1



- The fault can be indicated by both flag and LED lamps.
- Wireless Communication with the Sub Transmitter
- Trip current self-adjustment.
- Entirely sealed structure.
- Eliminates misact phenomenon.
- Ease of Installation
- Advantage trip criteria.
- Long life batteries.
- High earthing fault detection ratio.

Description	Specification
Line Voltage	Up to 35kV
Operational Temperature Range	-40°C To 85°C
Accuracy	±10% At 20°C
Current Reset	>3A/30s
Minimum Load Current	0A
Minimum Tripping Factor ($\Delta I/\Delta t$ Principle)	140A/200ms
Minimum Tripping Factor (SOTF Principle)	300A/100ms
Indication	3 Red LED (Permanent Fault) Flag (Temporary Fault)
LED Life Cycle	2000 Hours
Flag Operation Life Cycle	4000 Times
Flash Interval	3 Seconds
Maximum Current Tolerance	40KA/4s
Communication Distance	0-20 m
Radio Communication Frequency	433 MHz
Adjacent Cables Immunity	12 Inch @10ka
Overhead Cable Diameter	8mm - 28mm
Reset (Permanent Fault)	Time/Current/Manual
Reset Time (Permanent Fault)	2min To 48 Hours
Reset (Temporary Fault)	Time/Manual
Reset Time (Temporary Fault)	30 Minutes
Casing Material	UV Stable Polycarbonate
Weight	0.5kg
Visibility	50 m At Day 150 m At Night



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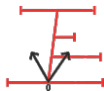
Communication Terminal

(Additional Accessory)



FPSC-COM-CONT-1

Collects the data from Fault Indicating System through long distance 3G/GPRS signals and displays it in Central Command Center
It can connect upto 2000 DCU units



**Float Power
Systems & Controls**

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