

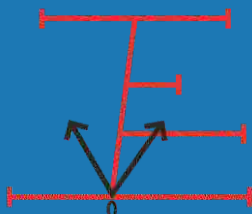


# Overhead Line Fault Passage Indicator

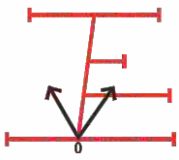
Range  
11 to 33 kV

SCADA  
IEC 104  
COMPLIANT

SMS to 5  
Numbers in  
Word Format



**Float Power  
Systems & Controls**



FPSC - COMS 1

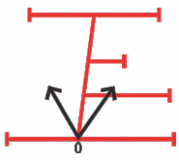


FPSC - SI 1

## Fault Locating System

### Features

1. Monitoring of all phases 24 X 7 for fault occurrence.
2. Line Parameters Monitored
  - a. Load Current
  - b. Electric Field Value
  - c. Line Temperature
  - d. Ambient Temperature
  - e. Fault Current (Maximum of 1200 A)
  - f. Line Status (On / Off)
3. Parameters Displayed in SCADA
  - a. Load Current of all phases
  - b. Electric Field Value of all phases
  - c. Line Temperature of all phases
  - d. Ambient Temperature
  - e. Fault Occurrence
    - I. Short Circuit Fault (including both the phase)
    - II. Earth Fault (including phase)
  - f. Fault Current
    - I. Short Circuit Fault (separate measurement for each phase)
    - II. Earth Fault (measurement of the respective phase)



# Float Power Systems & Controls

- g. Line Status (On or Off)
- h. Indicator functioning status
- i. DTU Battery Voltage
- j. DTU Solar Panel Charging Voltage

## 2. SMS Facility

- a. Status SMS at set intervals (configurable as per client requirement), SMS includes
  - I. Terminal Status
  - II. Battery Voltage of DTU
  - III. Load Current Value of all the phases
- b. Fault Occurrence – Phase – Location (upto 30 characters – entered in DTU as per client requirement)
- c. SMS can be received on up to 5 mobile numbers (Mobile numbers entered as per client requirement)

## 3. Indicator Reset

- a. Automatic Current Reset – on restoration of power.
- b. Time Reset – Configurable as per client requirement to reset after a specified interval even if power has not been restored.

## 4. Regular update of parameters to SCADA Servers

- a. Fixed Interval (Configurable as per client requirement)
- b. Change in Parameter values (example: more than 1A change in load current)

## Additional Accessories

Spring Lever



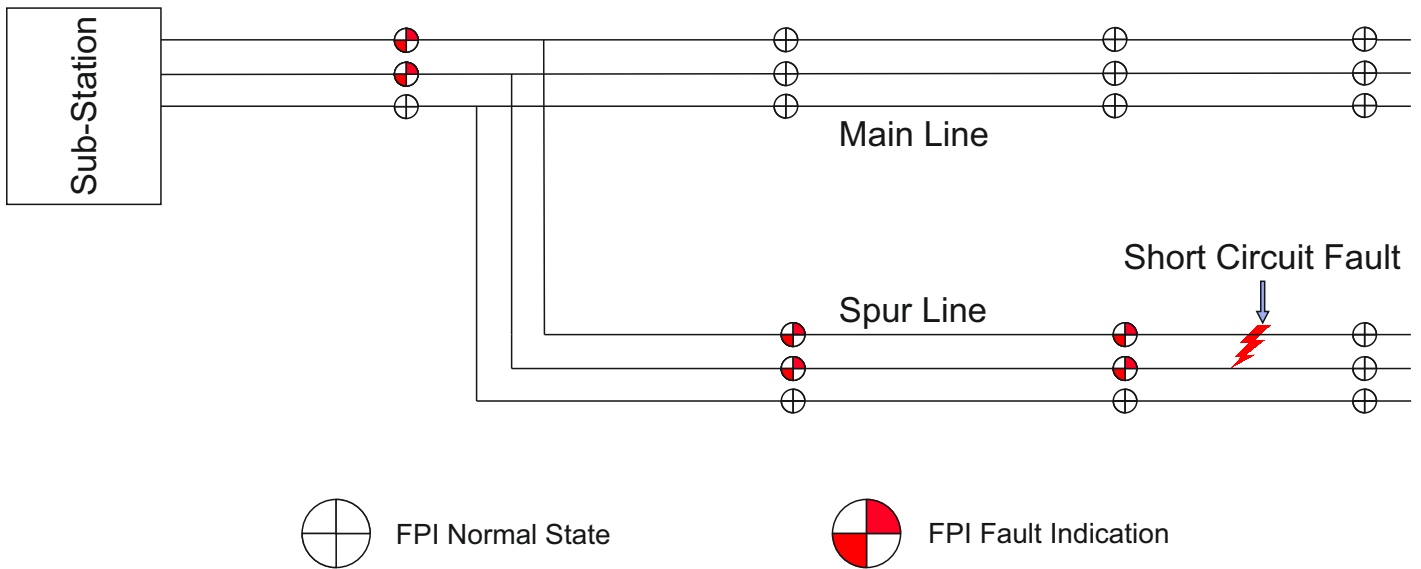
Installation Tool



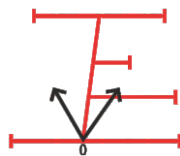
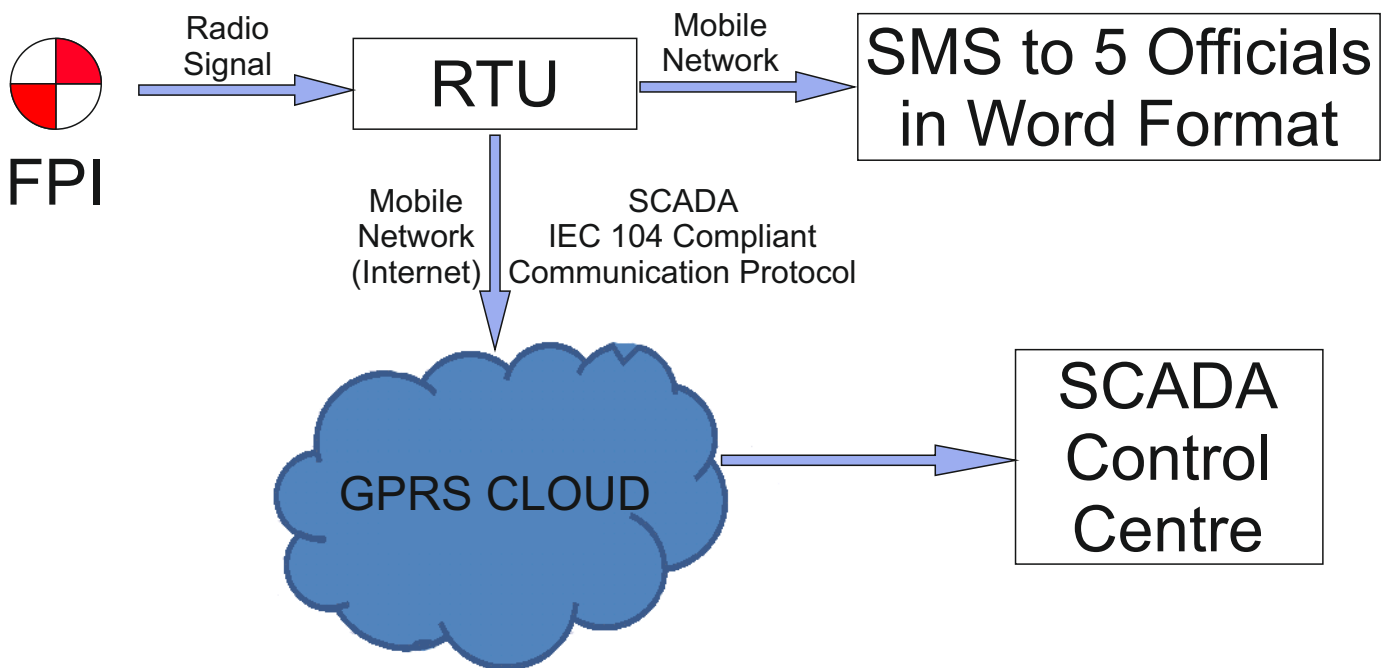
Hot Stick



# Schematic Line Diagram



## Working Procedure



**Float Power  
Systems & Controls**

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