

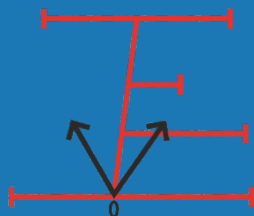


Overhead Line Fault Passage Indicator

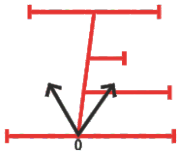
Range
11 to 33 kV

SCADA
IEC 104
COMPLIANT

SMS to 5
Numbers in
Word Format



**Float Power
Systems & Controls**



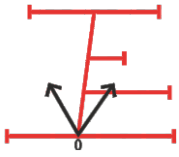
FPSC - COMS 1



FPSC - SI 1

Fault Locating System

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



Float Power Systems & Controls

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

Fault Locating System is designed to work even in Zero load conditions which is a requirement for Wind Mills and Solar Power Plants

It helps in locating multiple faults on a feeder

Additional Accessories

Spring Lever



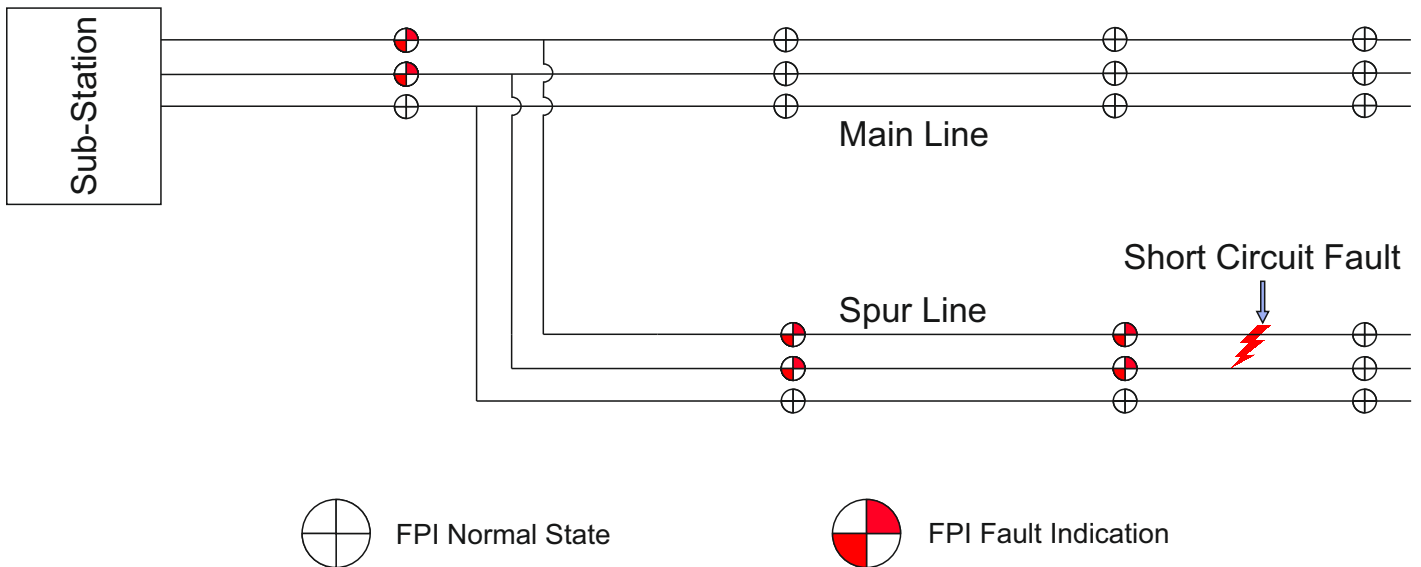
Installation Tool



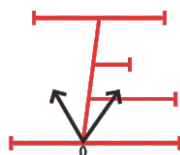
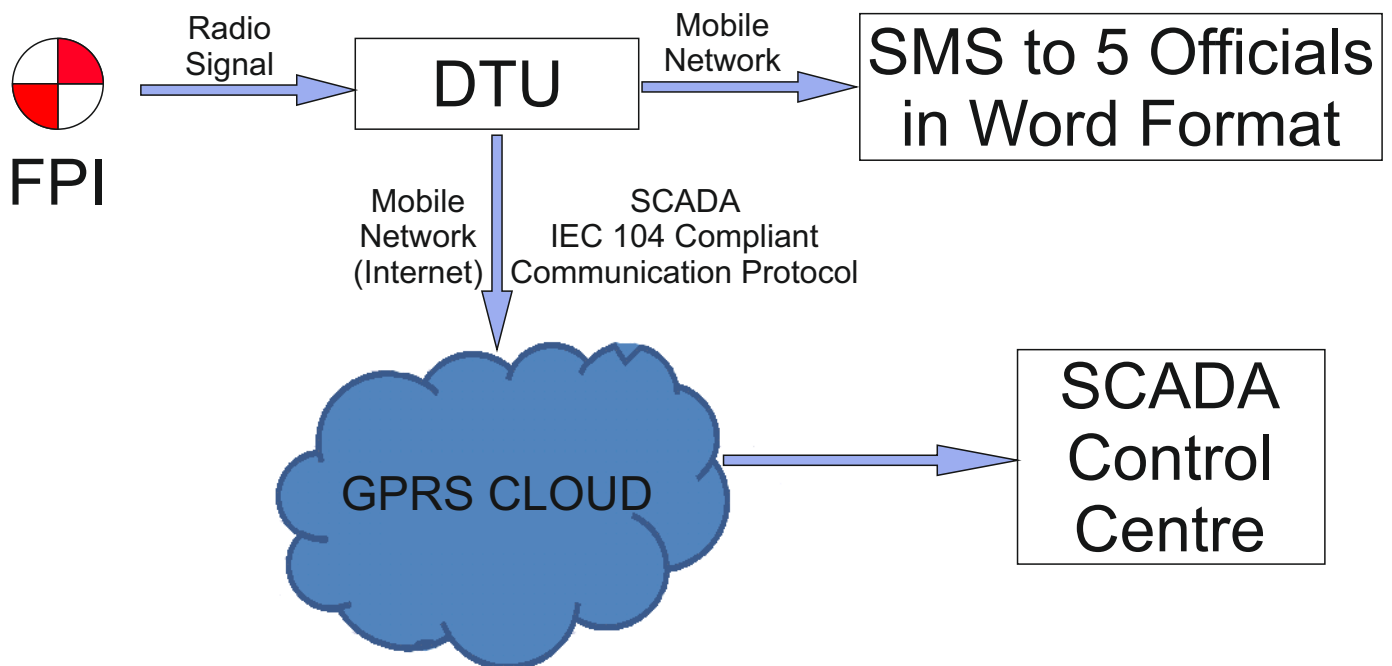
Hot Stick



Schematic Line Diagram



Working Procedure



**Float Power
Systems & Controls**

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