



FUSE MONITORING BASE

DESCRIPTION

The Fuse Base Monitor is compact, robust and high reliability equipment, capable of solving a major problem for power distribution companies, allowing to find quick and practical failures in the power grid.

The detector verifies the installation position of the fuse and, through its algorithm and integrated electronic circuits, allows to store the information comparing the current position with the stored one. If there is a displacement in the direction of opening of the fuse switch, a spontaneous event is sent to the Distributor's SCADA through the Sigfox communication module integrated with the equipment.

In addition to the opening detection, the equipment can check the presence/absence of electric current passing through the fuse through sensing by the electromagnetic field.

TECHNICAL SPECIFICATION

Fuse Monitoring System

FEATURES

Motion Detection

Detection of electromagnetic field

Operating temperature range: -30 to 85°C

Primary type battery as main power source with 3.7V voltage and up to 250mA peak

IP65 protection rating

Sigfox network communication

Open frequency 902.2 MHz

Data sent to a server that converts the message into DNP3 protocol and forwards to SCADA

Message update message every 12 hours

APPLICATION

Fuse-switch opening detection in Medium Voltage Distribution network up to 34.5 kV

TYPICAL APPLICATION

