



LOW VOLTAGE DETECTOR

DESCRIPTION

The Low Voltage Detector is a product intended to detect the absence/presence of voltage in electrical networks up to phase-phase 380 V. It uses a system to read the voltage in the network, which detects the absence/presence of voltage per phase sending a spontaneous event to the Distributor.

The equipment is flexible to adopt the communication module most adequate to the topology of the Distributor, initially being offered with Modem Cellular or Sigfox. The design concept is based on low energy consumption and low cost. Its power system uses the low voltage network itself associated with ultra-capacitors, which keeps it maintenance-free and autonomy for up to 40 minutes without the presence of a low voltage network.

TECHNICAL SPECIFICATIONS

Low Voltage Detector

FEATURES

Three-phase voltage detection of up to 380V by isolated opto-couplers.

AC main power supply from 90V to 240V.

Auxiliary source of ultra-capacitors with autonomy of 40 minutes.

IP65 Protection Degree.

Operating temperature range: -30 to 85°C.

Storage of up to 200 messages.

Message update every 60 minutes

COMMUNICATIONS

Communication via Sigfox network or cellular modem with penta-band technology.

Capacity for 2 SIM cards,

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

Open frequency usage

APPLICATION

Detection and presence indication voltage up to 380V

TYPICAL APPLICATION

