

# GROUND FAULT DETECTION - SENTINEL



**Directional and Amperometric Fault Detectors for medium voltage underground networks.**

## Main characteristics

Installed in MV/LV distribution substations and LV cut-off cabinets, the SENTINEL Fault Detector range can locate faults on the underground MV network, including single phase grounded faults and multiple phase fugitive and ongoing faults.

These detectors quickly identify faulty network sections by providing information about ongoing faults and a count of all events that have occurred.

Available in a Directional or Amperometric version depending on the grounding of the neutral conductor (impedance, compensated, direct, etc.).

Each detector has:

- A two-colour indicator for signalling ongoing faults
- Relay outputs for signalling fugitive and ongoing faults or a failure of the detector itself
- A user interface
- A set of 3 open-ended moulded cores for single-core cables
- Open-ended moulded core for three-core cables (optional)

## Advantages

- Less time required for locating faulty network sections thanks to the presence of indicator lights showing the fault
- Avoids detecting defects by successive resets, which tend to lessen the lifetime of network equipment (stress due to faulty resets)
- Complete range adapting to all neutral states and all voltage levels

## Uses

- Public distribution network
- Private substations