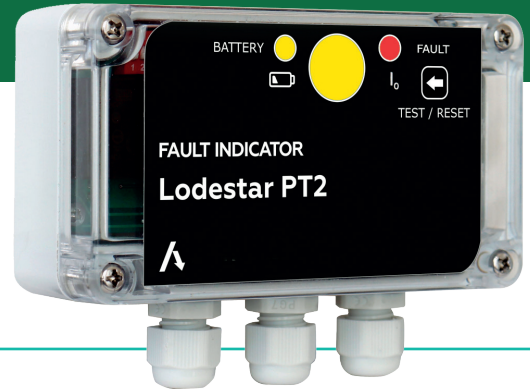## CABLE FAULT INDICATOR
LODESTAR PT2

Cable fault indicator Lodestar PT2 is intended for detection of fault localization in overhead and cable power distribution lines of 6-35 kV.
The cable fault locator can operate in networks with insulated, grounded and resistance-grounded neutral types.
The fault detector is installed on control panel board of switchgear / wall-mounted.

FAULT INDICATOR
Lodestar PT2
BATTERY   FAULT
I₀
TEST / RESET

ADVANTAGES

- **PHASE-TO-GROUND FAULTS DETECTION**
- **FAULT INDICATION BY SWITCHING ON ULTRA-BRIGHT LED AND MECHANICAL FLAG**
- **POWER SUPPLY OF THE INDICATOR FROM DC OR AC SOURCE WITH VOLTAGE OF =220V, =110V, OR MAINS SUPPLY ~220V**
- **STANDBY LITHIUM BATTERY FOR BACKUP SUPPLY OF LEDS EMERGENCY INDICATION WHILE LOSS OF MAIN POWER**
- **CHANGING SETPOINTS VIA DIP-SWITCH**
- **LOW BATTERY LEVEL INDICATION**
- **CURRENT SENSOR OF LODESTAR PT2 IS INSTALLED ON THE CABLE'S ARMOR OF THREE PHASES**

Faults localization

Operates in networks with insulated, grounded and resistance-grounded neutral types

Events	
Types of registered faults	identification of single-phase short circuit
Current response threshold PtG	from 10 A
General description of the Device	
Operating voltage	6-35 kV
Indication	- Mechanical flag (blinker) - Ultra-bright LED indication
Power supply	- an auxiliary services supply with any type of voltage = 220 V, = 110 V or from the mains ~ 220 V - standby power supply (lithium battery) for fault indication (LEDs blinking time is more than 1200 hours)
Reset	- the external command on the dry contacts - time - manual button on the Device - remote
Trigger control	- visual - relay output
Mean time between failures	at least 110 000 hours
Additional features	changing of setpoints by DIP switch
Parameters	
PtG fault current range	10 ÷ 200 A
PtG fault observation time	60 ÷ 150 ms
Design	
Installation	On the control panel in the switchgear and control gear / Wall-mounted
Sensors	sensors based on Rogowski coil (1 pcs.)
Temperature range	standard from -40 °C to +75 °C
International Protection Marking	IP 65
Impact of mechanical factors	M7 design according to IEC 721-3-3-87, design group N2 according to the requirements