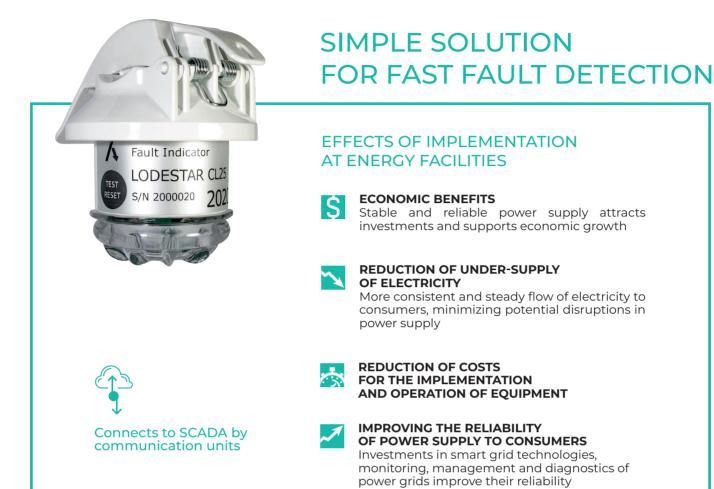
FAULT INDICATOR





It uses Bluetooth channel and all settings can be configured remotely via Smartphone – no need to remove the device from the line *optional

BENEFITS

- Minimum fault sensing 25A
- Rapid fault detection and localization enhance safety for both workers and the public. By reducing the time needed to identify the faults, the risk of accidents, electrical fires, and other safety hazards is minimized
- Fault indicators operate independently of each other. Current and voltage values can be read from each phase separately

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EASY INSTALLATION Just activate the device and place it on a conductor – CL25B will do its job in the best possible way

- Fault indicators can be integrated with SCADA systems via Communication box
 *optional
- Brightest Light 360° Visibility 3 ultra bright wideangle LEDs provide overlapping fields of light
- Easy to replace no additional settings are required
- **Dynamically changing sensitivity** based on a load current
- **Improved resilience** to external environmental factors in the atmosphere







FAULT INDICATOR



	DtD DtC Transient faulte
Types of registered events	PtP, PtG, Transient faults
Short circuit current sensitivity	25 A
Automatic fault current threshold adjustment	+
Zero sequence current sensitivity	25 A
Detection of direction of zero sequence current flow	-
Voltage monitoring	+
General description of devices	
Overhead line voltage range	6-35 kV
Grid's frequency	50/60 Hz
Visual indication	 Blinking ultra-bright LEDs; detection range up to 100 m (during the day), up to 500 m (at night); a set of sequences, depending on the capability of the model.
LED brightness	At least 20000 mcd per LED, 360° view
Number of alarms stored in the internal non-volatile memory	Up to 20 000
Remote control (for field config)	Bluetooth BLE (2,4 GHz)
Remote communication	Pole-mounted communication unit (GSM) is needed for transmitting information from the indicators to the data collection server.
Types of actuation control	 Visual; by short-range radio channel (handheld remote control); remote via Komorsan & SCADA (communication unit is needed).
Reset display	 Voltage restoration; by timer; magnet; from the portable control.
Indicator health control	 Magnet; portable remote control; remotely (communication unit is needed).
Changing settings (setpoints)	 On the short-range radio channel using a portable remote control; remotely using the «KOMORSAN Web-client» software (communication unit is needed).
SMS notification (communication unit is needed)	 Up to 5 phone numbers; composition of the message: GPS coordinates, type of accident, serial number.
Reading GPS coordinates	Yes
Time to prepare the kit for repeated triggering	No more than 3 sec.
Integration with SCADA systems	Connection to any existing SCADA easily via IEC 60870-5-104 by using KOMORSAN software (communication unit is needed);
Source of power	1 removable lithium battery (19 Ah)
Total indication time	> 2000 hours
Indicator life	130000 hours
Battery life (in standby mode)	8-10 years
Thresholds	
Absolute current threshold	20÷1000 A
Differential current threshold in A	20÷1000 A 20÷500 A
Differential current threshold in %	50÷500%
Current withstand (IEEE495, 4.4.7)	25 kA/500 ms
Inrush current restraint	0-200 ms
Setting the reset timer	Arbitrarily from 1 hour to 8 days
The minimum duration of the emergency process	0,02 s
Exploitation	
Installation location	On the overhead line (conductor)
Conductor diameters	5-40 mm
Installation on live line	+
Temperature range	Operating at an ambient temperature from - 40 °C to + 85 °C
Protection class	IP 68 according IEC
Impact of climatic environmental factors	 Resistant to UV radiation; resistant to wind load of 40 m/s without ice and 23 m/s with ice with 35 mm wall thickness.
Impact of mechanical factors	 Corresponds to exploitation group M1; resistant to galloping.