

# LODESTAR CL0.5

## Faulted circuit indicator



**Lodestar CL0.5** is the best in class faulted circuit indicator (FCI). Lodestar CL0.5 accurately detects all types of faults in networks with any type of neutral grounding. For reliable registration of Phase to Ground faults Lodestar CL0.5 has a very high threshold of sensitivity - 0,5A. Intellectual algorithm of FCI operation allows **Lodestar CL0.5** to identify a direction of a fault location. Such advanced FCI's technical characteristics make **Lodestar CL0.5** one of the best smart solutions in prompt and efficient fault locations determination. For immediate fault reporting **Lodestar CL0.5** transmits data to communication unit via build-in radio module. **Lodestar CL0.5** is available anytime and easy to operate.



### KEY FEATURES:

- Unmatched sensitivity - detects PtG faults from 0.5A
- Identifies a direction of fault location
- 99% accuracy of PtG fault detection in networks with isolated neutral
- Remote configuration and device status control
- Detects and determines all types of faults
- Low battery alarm
- Live line installation using a single hot stick
- Warranty service and technical support
- Wide temperature range
- Indication patterns for each type and direction of a fault

### LODESTAR CL25 BENEFITS:

- Can be used in:
  - Radial lines
  - Multiple circuit lines
  - Grids with any types of neutral grounding
- Simple activation - just hold a magnet for 5 seconds
- Lets you promptly detect a fault location - resolve maintenance issues



# LODESTAR CL0.5 TECHNICAL SPECIFICATIONS

INSTALLATION	conductor
CONDUCTOR DIAMETERS	5-40 mm
OPERATING VOLTAGE	<70kV
MIN LOAD CURRENT	2A
MIN FAULT SENSING P -G	0.5 A
ADJUSTABLE P -P FAULT LEVEL	20 to 1000 A
RESPONSE TIME	20 ms
INRUSH RESISTANCE	0-200 ms
BREAKER WAITING TIME ( $\Delta t$ )	0.5-200 s
INDICATION	LED
FAULT DETECTED	
P-P	Y
P-G	Y
FAULT DIRECTION	Yes
FAULT PHASE INDICATION	Y
DIFFERENCE TRANSIENT/PERMANENT FAULT	Y
CURRENT WITHSTAND (IEEE495, 4.4.7)	25kA / 500 ms
COMMUNICATION	COMBOX option
OPTIONAL REMOTE	Y
RESET	Time, COM Remote, Magnet Line restoration
ADJUSTABLE RESET TIME	1h to 7d (1h to 99h via RC)
TEST	Remote, Magnet
BATTERY LIFE	7 years
TOTAL TIME OF INDICATION	> 1000 hrs
TEMPERATURE	-40 °C to +85°C

