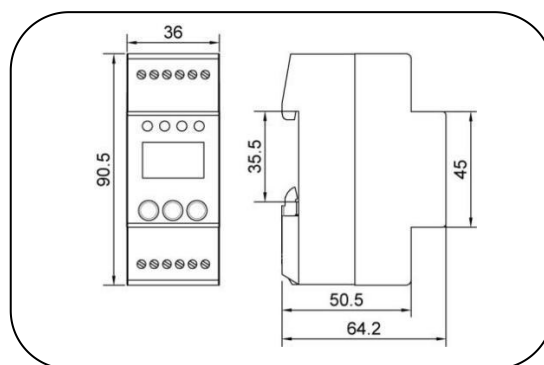


Lightning Event Counter

LEC-ATB



Dimension

LEC-ATB lightning event counter is used for register the lightning event in a certain area.

- Potential-free registration of discharge currents of surge protective device
- Monitor and record lightning and surge event (polarity, event time, total events quantity)
- Sensitive response, minimum trigger current low to 100A (rise time $\geq 8\mu s$)
- Din rail design, easy to install and use
- Easy installation by enclosing the earth conductor of the arrester with an open toroidal core
- OLED display and 4 page user interfaces are available by pressing the button as "ENT", "VIEW", "ESC"
- Built-in coin battery retains system time/date during power loss
- Buzzer alarm when the number of lightning and surge event reaches a settable value
- End user can request history events recording locally or on the far-end PC by RS-485 communication

Technical data

Type	LEC-ATB
Nominal voltage	110V~277VAC
Minimum counting current (rise time $\geq 8\mu s$)	100A
Display model	OLED
Event logged	Lightning Events, 0~999 events
Alarm	Audible alarm (Buzzer)
Current sample mode	Inductive Probe
Operation temperature	-20~+60°C
Mounting	35 mm DIN rail
Dimension of counter	90.5x36x64.2mm
Inner diameter of the sensor	10mm
Conductor length of the sensor	50cm
Connection wire	28AWG~16AWG
Screw torque	0.2Nm
Battery	Built-in coin battery
Enclosure	IP20 , thermoplastic; extinguishing degree UL94 V-0
In accordance with	IEC/EN 62561-6

LIGHTNING COUNTER

Storage

- The device should be used within **6 months** after shipment from PROSURGE.
- Storage temperature: 10°C to 30°C. Max. relative humidity (without condensation): < 60 %.

Important Notes

The device's built-in coin battery is non-removable and rechargeable. When not in use or stored for long periods, it is recommended to charge the battery every **6 months**.

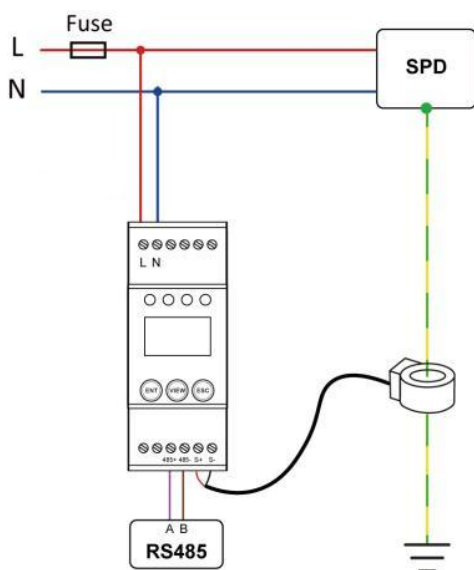
- Charging method : The power input (L/N terminal) should be connected to AC mains power (110V to 277V) for battery charging.
- Recommended charging duration : 11 hours (recommended to fully charge during the first charge).

Environmental

The device is designed for indoor applications. It should not be exposed to direct sunlight, rain or condensation, steam, saline spray, corrosive gases etc.

Examples of Installation

With SPD



Without SPD

