

Mechanical Lightning Event Counter

LEC-MC



LEC-MC is a compact Mechanical lightning & surge event counter for lightning protection systems. It automatically detects and counts the lightning strikes received by the lightning protection system. The counter is mounted directly onto the lightning down conductor (cable, rod or plate) or the PE line of the surge protection device, no modifications to existing wiring are required.

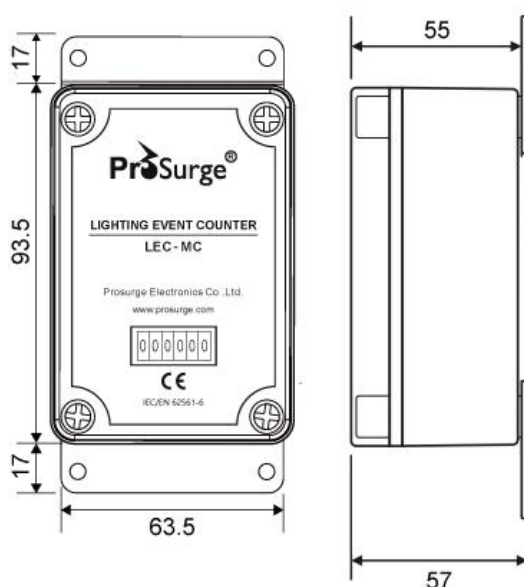
LEC-MC is an all-in-one counter with no separate additional detection current sensor, and constructed with IP67 enclosures to ensure that dirt, dust and water are resisted for either indoor or outdoor usage. It does not require external power or batteries for operation, maintenance free operation, and is suitable for outdoor installation.

Technical Feature

- Needs no maintenance and long service life
- High sensitive response with trigger current 1.5kA
- Can register very high lightning strike up to 100kA (10/350μs, 8/20μs)
- Mechanical strike counter with 6 digit display
- Easy to install and use, Fast installation directly on the round wire or flat strip of an existing down conductor, no need to remove the enclosure
- Does not require external power or batteries for operation, maintenance free operation
- Can not be manual reset to ensures accurate continued recording of lightning strokes
- IP67 enclosure with UV resistant & anti-aging plastic, water-proof, dust-proof, anti-sunburn, suitable for outdoor installation
- According to standards IEC/EN 62561-6 and EN 50164-6

Dimension

(mm)

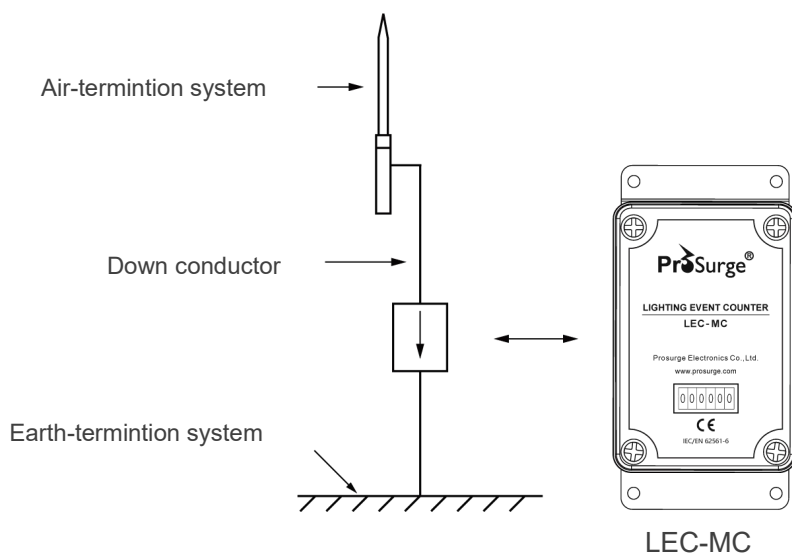


Technical data

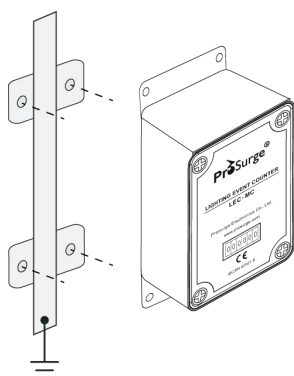
Part No.	LEC-MC
Counting Current (rise time $\geq 8\mu s$)	1.5kA
Sequence of impulse	$> 1s$
Display Model	Electromechanical digital display
Counter range	0~999999
Current Sample Mode	Inductive Probe (Built-in)
Power supply	No battery & power supply need
Operation temperature	-20~+70°C
Mounting	Directly mounting
Dimension of counter	93.5x63.5x55mm
Enclosure material	UV resistant & Anti-aging plastic, UL94-V0
Degree of protection	IP67
In accordance with	IEC/EN 62561-6 ;EN 50164-6

Installation

The lightning event counter LEC-MC is suited for new and existing installations. It is directly mounted on the round wire or flat strip of the down conductor, two mounting accessories are available.



Mounting on the flat strip of conductor



Mounting on the round wire of conductor

