ProLEC Basic

Lightning event counter

ProLEC Basic is a basic lightning current sensor. It senses and logs lightning discharges flowing through the down-conductor. The ProLEC Basic is capable of measuring and withstanding currents up to 100 kA (10/350).

Installation of the ProLEC Basic on the exterior of a building or structure gives users vital information on the frequency, date and time of atmospheric discharges that affect the structure or building, enabling repairs or preventive measures.

Technical Data

Electrical

ProLEC Basic Model	130 523
Threshold Current (8/20) [I_{tc}]	1 kA
Maximum Withstand Current (10/350) [I_{mcw}]	100 kA
Maximum Events Logged	999
Power Supply	CR17335 lithium batteries Lifetime: up to two years

Mechanical

Mounting Method	Direct on Down Conductor
Operating Temperature (°C)	-20° C to +60° C
Enclosure Material	UL 94 V-Z Polycarbonate
Environmental Ingress Protection (IP) Rating	IP 65
Enclosure Dimension (L × W × D)	5.51" × 3.5" × 1.68" [140 × 88.9 × 42.6 mm]
Weight	.97 lbs [440 g]

Dimensions

[mm] inches

[100,3] 3.94 **[88.9] 3.5** **[140] 5.51** **[42.6] 1.67**
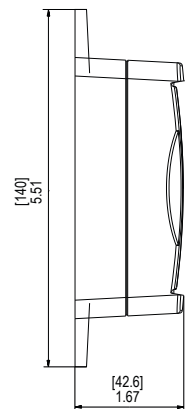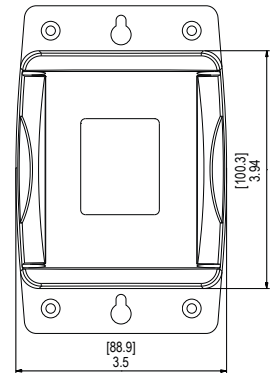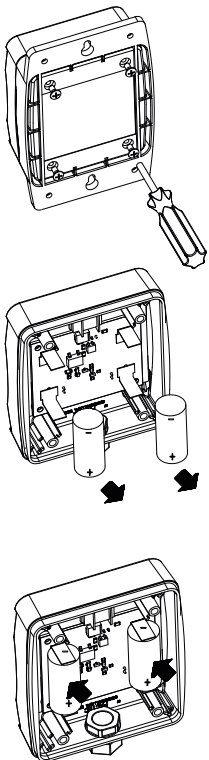
Installation

Place the ProLEC Basic on the lightning down conductor.

Replacing battery

ProLEC Basic Use

The LCD screen is turned off by default to preserve energy. Turn it on with the press of any button. The first screen shows the surge count (lower-left corner), the date (top row) and the time (middle row) of the last recorded surge. Browse the surge events history by pressing the UP(↑) and DOWN(↓) keys.

To check Internal clock start with blank display and press OK (last recorded event wil become visible) then after 1 second press OK again. Pressing OK the second time will show internal clock. Status of internal Clock will be visible for 3 seconds. Accuracy of Internal clock shall be checked once per year. If Clock time must be corrected then press OK one more time while seeing the status of Internal clock. Clock setup is done by pressing OK button to move through time levels and by using arrow keys to change numbers. Number that is currently being set will blink. To save new time you must move through all time levels by pressing OK untill last upper right digit is confirmed by pressing OK.

To clear surge history press SET when the internal clock is visable. Choose to clear the history by selecting YES.

WARNING! Once data is cleared, it cannot be retrieved.

BATTERY
DATE
TIME
NO. OF SURGES

DAY-MONTH-YEAR
HOUR-MINUTE-SECOND

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