



Features

- LCD screen displays the number of lightning strikes, the hour, minute, and date of lightning events
- Buttons enable TIME/DATE setting and log viewing
- Features a replaceable battery with a lifetime of up to two years
- The contact-less sensor is easily installed without modifications to existing setups
- Complies with IEC 62561-6 standard
- Installation on HVI cable with 75 cm and 95 cm air separation distance

Typical Installation



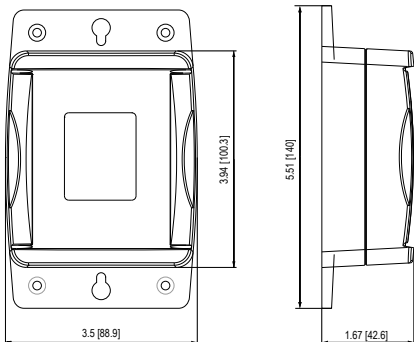
inches [mm]

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

Installing the ProLEC Basic on the exterior of a building or structure provides users with vital information on the frequency, date, time, and atmospheric discharges affecting the structure. This enables timely repairs or preventative measures.

Technical Data

Electrical	
ProLEC Basic Order Code	130 523
Threshold Current (8/20) [I_{tc}]	1 kA
Minimum Withstand Current (10/350) [I_{mcw}]	100 kA
Min. Countable Impulse Current (10/350) [$I_{imp min}$]	1 kA
Max. Countable Impulse Current (10/350) [$I_{imp max}$]	100 kA
Min. Countable Nominal Discharge Current (8/20) [$I_{n min}$]	1 kA
Max. Countable Nominal Discharge Current (8/20) [$I_{n max}$]	100 kA
Clamping Range Round	8-20 / HVI 20-27 mm
Clamping Range Flat	25 / 30 mm
Maximum Events Logged	999
Power Supply	CR17335 lithium batteries Lifetime: up to two years
Mechanical	
Mounting Method	Direct on Down Conductor
Operating Temperature	-4 °F to +140 °F [-20 °C to +60 °C]
Enclosure Material	UL 94V-Z Polycarbonate
Environmental Ingress Protection (IP) Rating	IP 65
Packaging Dimension (L x W x D)	5.51" x 3.5" x 1.68" [140 x 88.9 x 42.6 mm]
Weight	.97 lbs [440 g]
Standards Compliance & Certifications	
Standards	IEC 62561-6
Certification	RoHS, CE
Product Diagram	



Information contained in this document is subject to change at any time without notice. No part of this document may be reproduced or used without written permission from Raycap.