

StrikeSense™

Smart Lightning Strike Counter

OPERATION

The Smart Lightning Logger delivers centralized, real-time alerts for single or multiple facilities through IoT communication. All recorded data is securely transmitted to a redundant, cloud-based data center, where it is processed and transformed into actionable insights for the user.



FEATURES

DATA COLLECTION

Ongoing monitoring of electrical activity in the down conductors of lightning protection systems where a Smart Lightning Logger is installed.

ACCURATE DIAGNOSTICS

Local data is transmitted to the cloud, where advanced algorithms analyze it to deliver real-time lightning strike alerts and precise lightning current measurements.

DETECTION AND ANALYSIS OF EACH RECORDED LIGHTNING STRIKE

Smart Lightning Logger is a smart logging device that continuously monitors the activity in the downconductor of the lightning rod, providing information for each lightning strike on current, polarity, date and time.

AUTOMATED CROSS-PLATFORM NOTIFICATIONS

The processed data is delivered to the user through the Lyncole Portal enabling immediate inspections to assess urgency and determine the appropriate response. It also supports early repairs and thorough incident analysis.

SYSTEM FEATURES

- Real-time recording and characterisation
- Lightning Strike Current Polarity
- Date and Time

Local storage of measurement history ensures greater data integrity and security.

User-defined settings for alert and alarm conditions

Fully configurable and remotely accessible via a Lyncole Portal, mobile browser, and customizable communication channels.

Tested according to UNE-EN IEC 62561-6:2018. "Requirements for lightning impact strike counters".

Part #S2500F

IOT COMMUNICATION REAL-TIME STRIKE DATA

Utilizing IoT communication, the system delivers real-time lightning strike data, daily heartbeat signals, and equipment status updates. It also performs self-diagnostics, monitors remaining battery life, and supports updates.

COMPACT DESIGN

A compact, all-in-one module integrating the sensor, electronics, IoT communication system, and autonomous power supply—no fiber optics or auxiliary nodes required.

ROBUST EQUIPMENT

Equipped with overcurrent and overvoltage protection to maintain functionality even after a lightning strike.

In accordance with lightning protection standards, protection systems must be periodically inspected—especially following any modifications, repairs, or lightning strikes to the protected structure.