

TECHNICAL DATA SHEET LIGHTNING FLASH COUNTERS

INDELEC Lightning Flash Counters P8011, P8011b & P8014



Product Description:

The Flash Counter is mounted at any easily accessible location along the length of the downconductor route. Its purpose is to record the number of strikes captured by the lightning terminal and conveyed by the downconductor.

Features:

- Records the number of lightning strikes captured by the Prevelectron terminal
- 10 year battery
- 5 Year warranty
- Testable on site
- Tested in accordance with UTE C 17-106
- P8011 has an alphanumeric display & Fiber Optic interface for remote monitoring.

Installation:

The lightning flash counter is fixed directly on the downconductor using 2 mounting flanges located on the back face. It is designed for a use with flat and round conductors. The counter records the lightning current by induction at the time of passage through the downconductor. No interruption of the downconductor is necessary thus allowing an excellent electrical continuity of the installation from the rod to the ground.

Checking & Maintenance:

Indelec has developed a portable test meter to test the flash counters on site, after installation and without disassembling the counters internal circuit functions.

Electrical Specification:		P8011	P8011B	P8014
Application:		Lightning Strike Flash Counter		
Number of LED Segments:		6	2	Alpha Numeric
Minimal Detectable Current:	Id	$\geq 1\text{kA}$		
Maximum Detectable Current:	Imax	$\leq 100\text{kA}$		
Connection type:		Parallel		
Display:		LED		LC
Operating temperature range		$-40^{\circ} - +80^{\circ}$		
Accuracy of peak current measurement		$\pm 10\%$		
Average battery lifetime		3 Years		
Remote contact alarms		No		Yes
Standard Compliance		UTE C 17-106, NF EN 50164-6		
Mechanical Specifications:				
IP index:		IP 54		IP65
Mounting:		Clamp		
Length:		146mm		165mm
Width:		95mm		119mm
Depth:		42mm		55mm
Weight:		650g		890g