

Lightning counter

Impact controller 1 kA to 100 kA
Conformity tests carried by LCIE

Complies with UTE C 17-106/2001

Description

The impact controller or lightning counter is designed for detecting and counting lightning strikes received by the structures equipped with lightning conductors. It is fitted in general to a down conductor.

The information received by the controller can be used for specific maintenance of the equipment.

It is totally autonomous and does not require any external power supply.

It is delivered with 2 collars AFJ0819RL.

Counter compulsory for protected sites (Decree of the 28 of January of 1993), recommended for Expertise purposes and Insurance Companies.



Ordering code	AFV 0907 CF
Counting range	00 to 99
Counter threshold IEC 60-1 and 1180-1 (Minimal discharge current detected)	1 kA in 8/20 wave (no detection below 150 A)
Maximum discharge current detected in compliance with IEC 60-1 and 1180-1	100 kA in 8/20 wave* (150 kA in 4/10 wave)
Permanent working current	None
Terminal capacity	Ø 8 mm (50 mm ²)
Necessary circuit breaker	No
Operating temperature range	- 30 °C / + 80 °C
Protection index	IP53
Dimensions	165 x 92 x 47 mm
Weight	430 g

* Value corresponding to the maximum discharge current available in the testing facility.

Installation

NFC 17-102: installation at approximately 2 m from its base. Mounting in serial on the down conductor, on a compulsory path of the lightning current.

Meshed cages: installation recommended of a counter on each frontage, on the down conductors connecting to the highest points of the structure.

