



Compt@ir®

The communicant counter



www.lpsfr.com

Study – Prevention – Protection - Lightning



The lightning strike counter

The lightning strike counter **Compt@ir®** consists of a 6 digits display. Each lightning strike is recorded when it comes through by incrementing one unit (the rightmost number).

Watertight (IP65), robust and reliable, it operates without any power supply and records positive or negative lightning strikes.

The lightning strike counter displays the total number of lightning strikes having struck the Outside Protection against Lightning Installation (OPLI).

It is necessary to regularly watch over the display for a good follow-up of the installation. The lightning strike counter is essential for the good maintenance of the OPLI (cf. NFC 17-102 : a checking shall be done after each lightning strike).

This regular monitoring doesn't require a travel with Contact@ir+Rout@ir option. On top of that, you will be warned in real time in case of lightning strike event.)

It can be set up and works on any type of existing downward conductor (flat, round, ...) thanks to its universal fastenings. **Compt@ir®** lightning strike counters are compliant with the standards in force (NFC 17-102, NF EN 50164-6).

Dimensions



Height : 14.50 cm

Width 5.50 cm

Depth : 5.50 cm

Weight : 0.285 kg

Minimal current of detection : $I_d \geq 1$ kA

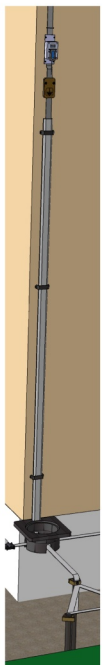
Maximal current : $I_{max} > 100$ kA

SPF : IP65

LIFETIME WARRANTY*



Installation

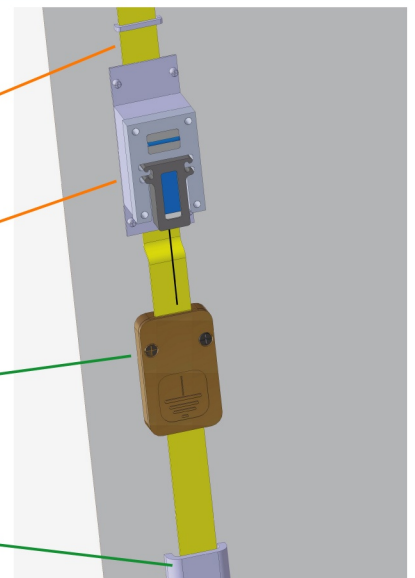


**22041 :
Downward conductor**

**43603 :
Lightning strike counter**

**43604 :
Control seal**

**43605 :
Protective sleeve**



"If the installation is equipped with a lightning strike counter, it is appropriate for the latter to be installed on the most direct downward conductor and to be preferably located right above the control seal."
NFC 17-102 – September 2011, (art. 5.3.8).



LIGHTNING PROTECTION SYSTEMS FRANCE

* Contact@ir system needed
see our Terms and Conditions



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REMINDER

An outside protection against lightning with a lightning rod must be checked every year and after each lightning strike to ensure its good working order. Source NFC 17-102 – September 2011.

Remote communication option



Contact@ir
SYSTEM

Compt@ir® lightning strike counters are supplied as standard with a plug to connect the **Contact@ir®** system.

A **Contact@ir®** emitter can be optionnally fitted on each **Compt@ir®** lightning strike counter.

Then the **Contact@ir®** emitter permanently communicates the **Compt@ir®** lightning strike counter operating status as well as its communication reliability. This communication occurs without any physical link.



Servicing and maintenance of your installation



If used with the **Rout@ir** option, when lightning strikes the installation, **Compt@ir®** records and transmits the event by sending an email warning

Once the lightning strike detected, a normative check will have to be performed in accordance with the articles 8.2 to 8.5 of the NFC 17-102 standard.

This check aims at ensuring the good order of the lightning protection installation and doing the necessary repairs of the installation.

Thanks to **Compt@ir®** and to the "lightning strike" warning, the lightning protection installation is being permanently watched over.



Whatever your installation

A lightning protection has got an important service life. Thus, any installation requires a follow-up, checkings and regular maintenance to ensure its efficiency.

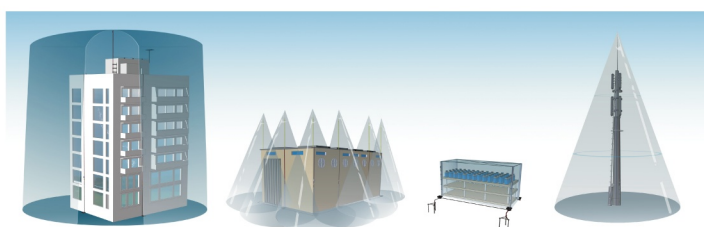
Contact@ir® system is a **LPS France** exclusive

If used with the **Rout@ir®** option, it enables you :

- ✓ To make a remote diagnosis of your installation at any time,
- ✓ To receive an in-real-time warning when your installation is thunderstruck,
- ✓ To know what was the intensity of the lightning strike, and thus know what type of check of your installation has to be done if need be.

The lightning strike counter **Compt@ir®** is universal and can easily be added to your lightning protection installation, whatever its type, its trademark and its age.

Once associated with a **Rout@ir®**, it enables you to benefit from the **Contact@ir®** system advantages without modifying your installation.



- ✓ Standards respected
- ✓ Warranties preserved
- ✓ Maintenance simplified
- ✓ Security ensured

