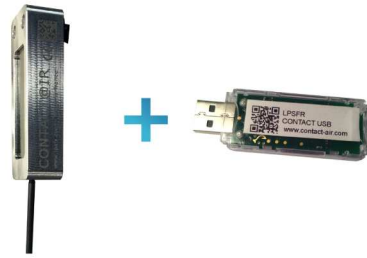


Contact@ir[®] System with Dongl@ir[®]



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Study – Prevention – Protection – Lightning

Maintenance and servicing requirements to be met



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, (art. 8.2).

Maintenance and servicing of your lightning protection installation are also necessary to preserve your manufacturer's and installer's warranties.

To ensure a total security, you must be certain of its efficiency at any time.

Contact@ir[®] system is an exclusive solution proposed by LPS France to meet normative requirements, preserve your warranties and ensure your security throughout the lifetime of your lightning protection installation.

Why use Dongl@ir[®] ?

Contact@ir[®] system, if used with **Dongl@ir[®]** receiver, enables you to check the good working order of your product.

The transmission of data occurs by radio waves, without any physical link between the **Contact@ir[®]** emitter and the **Dongl@ir[®]** receiver.

In this way, **Dongl@ir[®]** facilitates and makes safer the diagnosis of a product often difficult to access, the intervening person not being constrained any more to get into a **risky situation to reach it**.

Dongl@ir[®] is a specific mean of diagnosis. It has to be used nearby the product (80 meters maximum).

Within a few seconds, your product is identified and the result of its diagnosis appears on your screen. You then immediately know if an intervention is necessary on your installation or not.

A reliable and securing device.



What are the necessary equipments ?



The Contact@ir[®] emitter

Has to be connected to the **Contact@ir Ready[®]** product the diagnosis of which you wish to obtain, That is :



The Paraton@ir[®] range



The Compt@ir[®] range

The **Contact@ir[®]** emitter can be fitted on the **Contact@ir Ready[®]** product during the assembly or at any time during the life time of the installation.



Dongl@ir[®]

Is provided in the form of an USB key and is plugged :



In your pad or Android mobile with a microUSB adapter.

In that case, the information will be read on the application **Contact@ir App[®]**.

A single **Dongl@ir[®]** enables to carry out the identification and the diagnosis of all the **Contact@ir Ready[®]** products the rights of which you hold.



In one of your PC or MAC USB port. In that case, the information will be read on software **Contact@ir Soft[®]**.





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When carry out a diagnosis with Dongl@ir® ?

With **Dongl@ir®**, you can carry out a diagnosis when you are located near your installation to check its reliability.

The circumstances requiring the checking of your lightning protection installation are listed in the NFC 17-102 standard text in the article 8.2 :

- Periodically in order to be able to anticipate and forestall the natural wear of your installation,
- After a thunderstorm or any other climatic phenomenon potentially harmful for your lightning protection installation,
- Each time the protected structure is modified or repaired.

A clearly defined use

Which information shall I obtain with Dongl@ir® ?

Whether you use **Contact@ir Soft®** or **Contact@ir App®**, you will obtain the following information :

Identification :

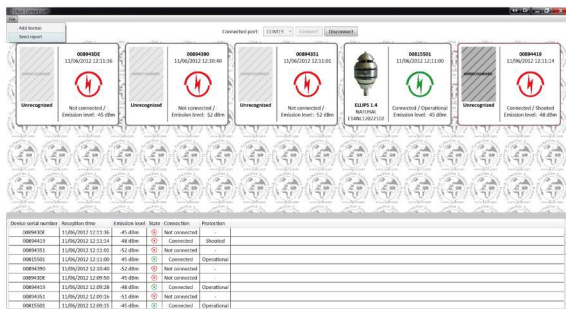
- The **Compt@ir®** or **Paraton@ir®** serial number,
- The type and colour of the **Paraton@ir®**,
- The emitter serial number,
- Potential notes previously entered.

Diagnostic:

- Quality of communication,
- Product integrity,
- Product working order

History :

- Chronology of previous diagnosis by product,
- Diagnosis results,
- Previous users' comments.



Relevant and clear information

All information collected during the diagnostics are automatically dated, recorded and chronologically classified. This information is necessary to draw up documents relative to the carrying out, the checking and the maintenance of your installation. Those documents are imposed by the NFC 17-102 standard (art. 8.1 to 8.7). **To learn more, connect to www.lpsfr.com.**

What do I do if the diagnosis reveals a critical information ?

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

In this case, it is imperative that a complete check of your installation should be carried out.

The complete checking procedure can be found in the NFC 17-102 standard (art. 8.5 and 8.6) and is resumed in the FT-LPSFR-11 specification sheet. This check is a prerequisite to the preservation of your warranties.

By calling upon a LPS France licensed agent, you are sure that the checking procedure is respected and that the appropriate measures are taken.

