

# Contact@ir<sup>®</sup> System with Rout@ir<sup>®</sup>



www.lpsfr.com

## Study – Prevention – Protection – Lightning

### Maintenance and servicing equipments 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<sup>®</sup>** 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 Rout@ir<sup>®</sup> ?

**Contact@ir<sup>®</sup>** system, if used with **Rout@ir<sup>®</sup>** receiver, enables you to check the good working order of your product remotely. If one of your product is struck by lightning, you immediatly receive a warning.

You are given the lightning strike intensity level on a scale from 1 to 3.

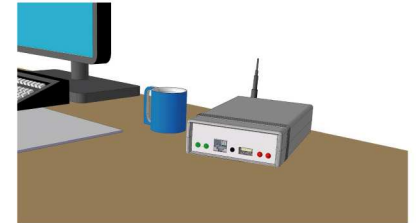
It is thus possible to know which type of checking has to be done.

Your products equipped with a **Contact@ir<sup>®</sup>** emitter permanently communicates by radio waves with your nearby-located **Rout@ir<sup>®</sup>**.

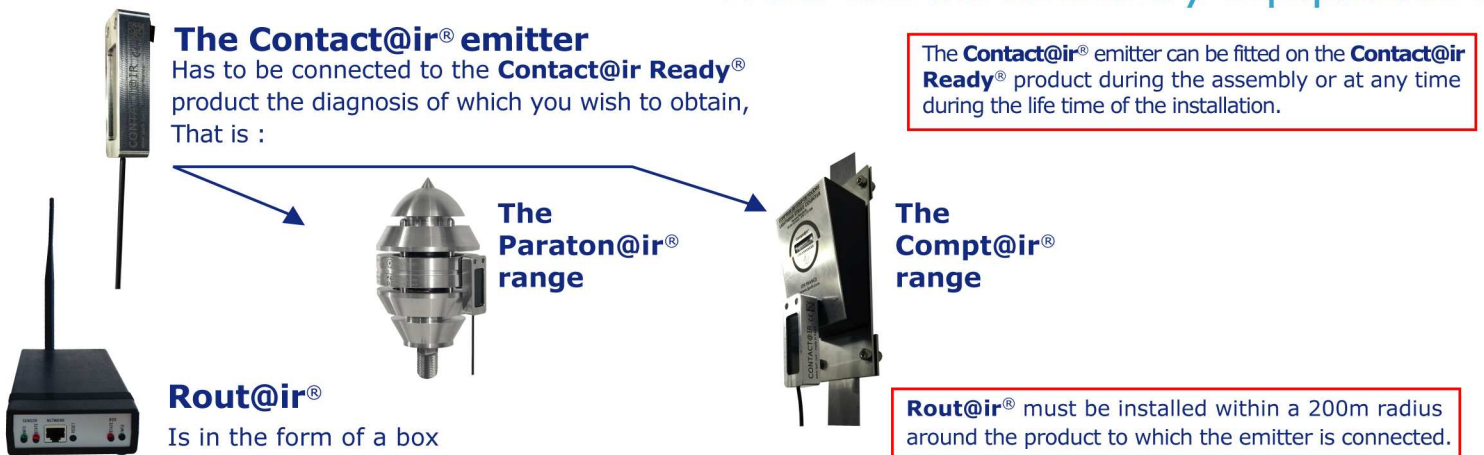
Datas collected by Rout@ir are constantly transmitted to the server on which they are recorded and dated without any intervention on your part.

The multiplicity of usable networks for the data transmission makes its use possible even in the most isolated places. Datas can be remotely accessed to, from any appliance connected to the internet. At any time and from anywhere, you can peruse the status of you installations.

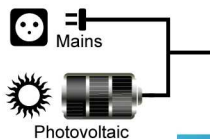
### Une surveillance continue, à distance



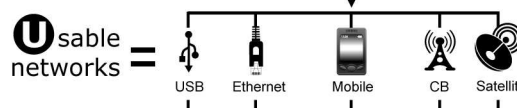
## What are the necessary equipments ?



It can be supplied on the mains or thanks to a photovoltaic cell.



It transmits the datas to the server by the most suitable network.



www.contact-platform.com







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# Contact@ir® System with Rout@ir®



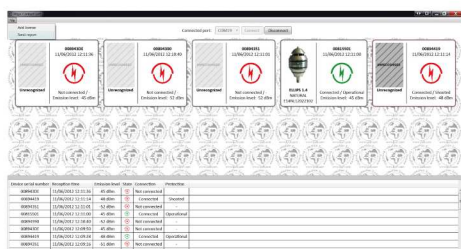
Study – Prevention – Protection – Lightning

## Which information shall I obtain with Rout@ir® ?

On the [www.contact-platform.com](http://www.contact-platform.com) server, 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.



### Relevant and clear information

### Diagnosis:

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

### History :

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

- + Lightning strike alert
- + Lightning strike intensity
- + Maintenance level

All information continuously collected by **Rout@ir®** are automatically transmitted to the server, 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](http://www.lpsfr.com).

## What do I do if I receive a lightning strike warning ?

**Contact@ir®** system used with **Rout@ir®** transmits an in-real-time warning when the protection installation is struck by lightning.

The NFC 17-102 standard imposes a check of your lightning protection installation each time the protected structure is struck by lightning (art. 8.2).

This measure aims at ensuring the efficiency of your protection installation without any interruption. For this reason, simply receiving a lightning strike warning must lead you to check the integrity and the good working order of your product on the [www.contact-platform.com](http://www.contact-platform.com) server.

**Rout@ir®** also enables you to know the intensity of the lightning strike picked up by your product on a scale from 1 to 3.

This feature, as the whole of Contact@ir system, is a **LPS France** exclusive.

The intensity of the lightning strike picked up by the your product and the result of its diagnosis assist in determining whether a visual, normal or a complete check of the installation is necessary (cf. NFC 17-102 standard, art. 8.2 to 8.6), as well as the urgency level of the action to be taken.

Thanks to **Rout@ir®**, you save time and avoid useless expenditure while ensuring the efficiency of your installation with more targeted actions.



**A performant  
decision-support  
tool.**

## What other requirements is Rout@ir® meeting ?

According to the NFC 17-102 standard (art. 8.2) your lightning protection installation must also be checked :

- Periodically in order to be able to anticipate and forestall the natural wear of your installation,
- Each time the protected structure is modified or repaired.

With **Rout@ir®**, the historization of lightning strike warnings favours the prevention of use-related damage on the installation and you can rapidly carry out a diagnosis wherever you are.

If the diagnosis reveals a critical information, your installation must be the object of a visual, normal, or a complete check as appropriate (cf. NFC 17-102 standard, art. 8.5 and 8.6). This check is a prerequisite to preserving 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.

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



LIGHTNING PROTECTION SYSTEMS FRANCE  
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