

**GAIA**  
**Ref. 80 319**

# THUNDERSTORM DETECTOR

In accordance with NF EN 50536:2011 standard

The GAIA device enables:

- To improve the security of human lives, with a lightning risk warning of at least 15 minutes.
- To analyse the exposition risk of the site, and to check if the existing protection systems are adapted.
- An optional interface for follow-up and customised advice from France Paratonnerres.
- An easy installation, and an interferences filtering.



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## CHARACTERISTICS

Reference	80 319	
	Processing Unit	Antenna
Dimensions (mm)	38 x 130 x 214	130 x 170 x 190
Weight (g)	250	960
Protection Index	IP 20	IP 66
Connection Kit / Power supply	Universal adapter 90-264 VAC, 50/60 Hz / 24VDC	Shielded cable - 15m Connector - SubD9
Electrical Consumption	110 mA	
Detection radius	15 km	
Operating temperature	-20°C à +60°C	
Standard	IEC 62793 : 2016	

The **GAIA** is an electromagnetic thunderstorm activity detector. It enables the detection of electromagnetic field generated by lightnings, within a 15 km radius from its bidirectional antenna.

The **GAIA** antenna is connected to a processing unit, which provides thunderstorm alerts while a thunderstorm is nearing the installation site. It enables:

1. To ensure, with a bargraph, an information report on the approach and thunderstorm intensity activity.
2. To measure the thunderstorm presence on site.
3. To alert, with a visual and sound signal, about the need to initiate a safety procedure for the site (adaptable settings).
4. To ensure a vigilance during and after the thunderstorm, and an "all clear" signal.
5. To count and memorize the lightning events on the site.
6. To reset.

