



**LGS36-001**

Relay Recorder

Measuring range: 10 Hz  
For relay contact  
Certification : CE

## Description

The LGS36 is a relay recorder that can be used in two different modes:

**Monitoring** (real-time monitoring applications): the recorder sends its measurements to the PC in real time. If a measurement is not received by the PC, it stores it in its internal memory and sends it to the PC on the following communication channel

**Recording/Restitution** (follow-up): the recorder records the measurements it takes in its on-board memory. The user can download all the stored measurements to the PC at any time.

It is equipped with :

IP65 case (aluminium)

½ wave antenna

Power supply AA Lithium Thionyl battery

# Specifications

| LGS36                       |                 |
|-----------------------------|-----------------|
| Interface                   | Relay           |
| Number of inputs            | 2               |
| Measurement range           | 10 Hz           |
| Accuracy (without sensor)   | Not applicable  |
| Resolution                  | Not applicable  |
| Power supply for the sensor | 2.7 V/ 62mA max |
| Temperature sensor          | YES             |

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|---|---|
| Temperature range of use of the Logger    | -40°C... +85°C  |
| IP level of data logger and the connector | IP65<br>The tightness level of the product is only valid if the probe and antenna are correctly tightened (seals crushed) |

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|----------|--|
| Battery  | AA Lithium Thionyl battery (included) with plug-in connector   |
| Autonomy | Up to 3 years<br>At 25°C with a measurement frequency of 10 minutes. Average value may vary slightly depending on use, given with the product working in non-alert mode. |

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| RF antenna connector     | SMA connector  |
| Antenna                  | ½ wave antenna (included)  |
| RF range in free land    | 100m to 1km (depending on the antenna used on the reception side)  |
| Memory capacity          | 32 256 measurements with date and time   |
| Time and date resolution | 1s   |
| Time deviation           | +/- 2min/month at 25°C   |
| Data memory retention    | 100 years  |
| ILS                      | Integrated ILS for various functions :<br>- Product wake-up when placed in hibernate mode (depp slepp)<br>- Forced measurement outside the set measurement frequency |

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| Features                 | Aluminium casing (4mm)   |
| Fixation                 | Fixation support provided screwed in the casing for screwing in 4 points or strapping through 2 holes  |
| Colour                   | Grey (aluminium)   |
| Dimensions (w/o antenna) | Length : 98 mm<br>Depth : 64 mm<br>Height : 34 mm  |
| Weight                   | About 280 g  |
| Stickers                 | 2 stickers on the product : <ul style="list-style-type: none"><li>- 1 sticker on the top face, giving the product range</li><li>- 1 sticker on the side, giving the complete product reference and its serial number</li></ul> |