

LR ID



Identification LoRa tag

EU Version 868MHz : ref. IDF320002B

US Version 915MHz : ref. IDF320006

AU Version 915MHz: ref IDF320010-beta

BENEFITS

- Industrial LORAWAN certified tag
- Battery life : up to 20 years
- Smart management of transmissions by motion detection and magnetic sensor
- Compact and industrial casing – IP68 waterproof
- Integrated NFC chipset



TECHNICAL SPECIFICATIONS

OPERATING MODE

| | |
|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Frequency | 868 MHz –LoRaWAN protocol 915 MHz – LoRaWAN protocol |
| Output power | Up to +14 dBm (configurable) |
| Range | Up to 5000 m depending on the DR mode used |
| Transmission period | 300 seconds to 24 hours (adjustable value) |
| Radio frame format | 21 bytes frame format including tag name (8 bytes), voltage in mV (2 bytes), magnetic sensor state (2 bytes) movement sensor state (3 bytes)* <i>*Refer to the frames specifications for more information.</i> |
| Parameters & configuration | Interface/protocol : NFC (Type 2) |
| Remotely configurable parameters | LED activation, accelerometer threshold, LORA class, DR mode, transmit power, standard transmission frequency and motion, reset motion counters and magnetic detection |
| LoRaWAN Network | OTAA activation |
| Motion mode | Changing the transmission period when motion is detected (user configurable) |

BATTERY

| | |
|----------------------|------------------------------------------------------------------------------|
| Power supply | 3.6 VDC – 2 LS14500 lithium battery replaceable by the user |
| Battery life | Up to 20 years* <i>*Refer to battery life curves for more information</i> |
| Battery level | Battery information included in the frame in mV |

CERTIFICATIONS

| | |
|---------------|----------------------------------------------------------------------------------------------------------------------|
| Europe | CE : EN 301 489-3 / EN 301 489-1 & EN 300 220-2 / EN 300 220-1 Health : EN62311 Electric security : EN 60950-1 |
| USA | FCC : FCC 15.247 / FCC PT 15B |
| Canada | ISED : RSS-247/ICES-003 |
| RoHs | Yes |

HOUSING

| | |
|------------------------------|-------------------------------------------------------|
| Dimensions | 119 x 51 mm – height : 24 mm – 2 fixing holes type M4 |
| Weight | 125g |
| Materials | DELIRIN (POM C) |
| Waterproofness | IP 68 |
| Operating temperature | -40°C to +85°C |

ACCESSORIES

| | |
|--------------------|-------------------------------------------------------------|
| Tag support | Ultra-strong double-sided adhesive: LORA STICKER (ACIOM202) |
|--------------------|-------------------------------------------------------------|

MECANICAL DRAWINGS

