

## LR ID

Identification LoRa tag

EU Version 868MHz : ref. IDF320002B

US Version 915MHz : ref. IDF320006



### 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

<b>Frequency</b>	868 MHz –LoRaWAN protocol 915 MHz – LoRaWAN protocol
<b>Output power</b>	Up to +14 dBm (configurable)
<b>Range</b>	Up to 5000 m depending on the DR mode used
<b>Transmission period</b>	300 seconds to 24 hours (adjustable value)
<b>Radio frame format</b>	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>
<b>Parameters &amp; configuration</b>	Interface/protocol : NFC (Type 2)
<b>Remotely configurable parameters</b>	LED activation, accelerometer threshold, LORA class, DR mode, transmit power, standard transmission frequency and motion, reset motion counters and magnetic detection
<b>LoRaWAN Network</b>	OTAA activation
<b>Motion mode</b>	Changing the transmission period when motion is detected (user configurable)

**BATTERY**

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

**CERTIFICATIONS**

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

**HOUSING**

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

**ACCESSORIES**

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<b>Tag support</b>	Ultra-strong double-sided adhesive: LORA STICKER (ACIOM202)
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**MECANICAL DRAWINGS**

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