

**LR****IDF32XXXX****BENEFITS**

- Industrial 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>	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 byte 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, 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, EN 300 220 & EN 300 330 Health : EN 62311 & EN 50665 Electric security : EN 60950-1
<b>USA</b>	FCC : FCC PART 15
<b>Canada</b>	ISED : RSS-247
<b>RoHs</b>	Yes
<b>FCC ID</b>	RVVELOR AHL1
<b>IC</b>	20429-ELOR AHL1

**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>	DELRIN (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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**RF exposure**

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This equipment should be installed and operated with a minimum distance of 20cm between the radiator and any part of the body.

### **FCC Statement**

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference; and
2. This device must accept any interference received, including interference that may cause undesired operation.

### **§ 15.21 Information to user**

The user manual or instruction manual for an intentional or unintentional radiator shall caution the user that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: THE GRANTEE IS NOT RESPONSIBLE FOR ANY CHANGES OR MODIFICATIONS NOT EXPRESSLY APPROVED BY THE PARTY RESPONSIBLE FOR COMPLIANCE. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

### **Industry Canada Statement**

This device complies with ISED's licence-exempt RSSs. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

Le présent appareil est conforme aux CNR d'ISED applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

1. Le dispositif ne doit pas produire de brouillage préjudiciable, et
2. Ce dispositif doit accepter tout brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement indésirable.