

## BLUE PUCK MAG



Bluetooth Low Energy magnetic sensor

### BENEFITS

- Integrated Hall effect magnetic sensor
- Very high autonomy : up to 14.5 years
- High transmission range
- Waterproof (IP 68)
- Smart & secure programming by NFC
- Over The Air Programming (OTAP)
- Dynamic Advertising period



## TECHNICAL SPECIFICATIONS

### OPERATING MODE

<b>Frequency</b>	2,4 GHz - Bluetooth Low Energy 4.0/4.2
<b>Output power</b>	Up to +4 dBm (configurable)
<b>Range</b>	Up to 500 meters open field (+4dBm)
<b>Transmission period</b>	2 advertising periods can be configured (value between 0,1 and 86400 seconds). Transition from one to another according to configurable sensor threshold
<b>Radio frame format</b>	<b>ELA ID</b> (15 bytes identifier) <b>ELA MAG</b> (15 bytes identifier + 15 bits event counter + 1 bit sensor state)  <i>Other frame format available on request. Refer to the frames specifications for more information</i>
<b>Parameters and configuration</b>	Interface/protocol: NFC (Type 2)
<b>Connected mode</b>	Datalogger transmission (record of saved sensor data) Battery level command
<b>Sensors performance</b>	<b>Hall effect sensor range:</b> 2cm typ. (on the side of the "arrow" symbol) <b>Magnetic event detector:</b> Immediate transmission upon change of sensor state

### BATTERY

<b>Power supply</b>	3 VDC - Internal lithium battery
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**Battery life**

**Up to 14.5 years\***

*\* Refer to the battery life curves for more information*

**Battery level**

Low battery warning in advertising frames (<15%)  
Battery voltage in scan response frames (configurable)

**CERTIFICATIONS**

**Europe**

CE / UK CA : EN 300 328/ EN 301 489 & EN 55032 / EN 62368-1

**USA**

FCC : FCC 15.247 / FCC PT 15B

**Canada**

ISED : RSS-247 / ICES-003

**RoHS/REACH**

Yes

**HOUSING**

**Dimensions**

Ø 57 mm base - Thickness 20 mm

**Weight**

41g

**Materials**

DELIRIN (POM C) Compatible with food products  
(90/128/EEC)

**Waterproofness**

IP 68

**Operating temperature**

-40°C to +85°C

**ACCESSORIES**

**Tag support**

**Holder + double-sided adhesive:**

PUCK HOLDER STICKER (ACIOM118B)

**Holder only:**

PUCK HOLDER (ACIOM117B)

**Double-sided adhesive only:**

PUCK STICKER (ACIOM188)

3M PT1100 - Ø 55mm - Thickness: 1,1mm

**MECHANICAL DRAWINGS**

