

Wireless sensors



**Blue PUCK MAG**  
Ref. IDF25243



The new industry standard in the wireless Magnetic detection sensor's market!

- 👁️ Very long range: up to **500 meters** (open field)
- 👁️ High lifecycle: up to **20 years**
- 👁️ Robust industrial casing - **IP68 waterproof**
- 👁️ Integrated **NFC** chipset

**TECHNICAL SPECIFICATIONS**

Battery power supply	3 VDC - Lithium internal battery
Frequency	2,4 GHz - Bluetooth Low Energy 4.0/4.2
Operating mode	"Advertising" beacon mode: periodic data transmission (id + state sensor) Connected mode: download up to 4,000 stored values
Power output	Up to +4dBm (programmable)
Transmission range	Up to 500 meters (open field / + 4dBm)
Transmission period	0,1 to 10 second (programmable)
Lifecycle	20 years (Beacon rate = 10s with 0dB power)
Radio frame format	ID: 15 characters name Unique 48 bits MAC address Sensor: 15-bit counter & instantaneous state* on 1 bit (LSB) ID (ELA) compliant (* Immediate transmission upon change of state)
Settings & configuration	Interface/Protocol: NFC Type 2 <b>Device Manager</b> software or <b>Device Manager Mobile Android App</b>
Magnetic range	2cm typ (detection only on the side of the arrow symbol ↑ )
Operating temperature	-40°C to +85°C
Battery level Management	15% remaining battery warning
Housing	∅ 57mm base - Thickness 18mm 2 mounting ∅ 4mm holes, spaced of 49mm IP68 Waterproof - Weight 36g DELTRIN (POM C) material – Food Grade (90/128/EEC)
Standards	EC (Europe)*: EN 300 328/ EN 301 489 & EN 55032 / EN 62368-1 FCC (USA)*: FCC 15.247 / FCC PT 15B ISED/IC (Canada)*: RSS-247 / ICES-003 RoHS certified (* Certification in progress)
Accessory	PUCK <b>HOLDER STICKER</b> (ACIOM118)



**Blue PUCK MAG** with its  
**PUCK HOLDER STICKER**