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BLUE PUCK **DI** Bluetooth Low Energy Digital Input sensor

BENEFITS

- Digital input industrial BLE transmitter
- Very high autonomy : up to 20 years
- High range transmission
- Waterproof (IP65)
- Smart & secure programming by NFC
- Over The Air Programming (OTAP)
- Dynamic Advertising period

TECHNICAL SPECIFICATIONS

OPERATING MODE

Frequency Output power Range	2,4 GHz - Bluetooth Low Energy 4.0/4.2 Up to +4 dBm (configurable) Up to 500 meters open field (+4dBm)
Transmission period	2 advertising periods can be configured (value between 0,1 and 86400 seconds). Transition from one to another according to configurable sensor threshold
Radio frame format	ELA ID (15 bytes identifier) ELA DI (15 bytes identifier + 15 bits event counter + 1 byte current input state)
	Other frame format available on request. Refer to the frames specifications for more information
Parameters and configuration	Interface/protocol: NFC (Type 2)
Connected mode	Datalogger transmission (record of saved sensor measures) / Battery level
Sensors performance	Can be activated with an external simple switch Idle state: 3V High level detection: 2.1V to 3V Low level detection: 0V to 0.7V Input change detector: Immediate transmission upon change of digital input state
BATTERY	

Power supply

3 VDC - Internal lithium battery







INNOVATION	
Battery life Battery level	Up to 20 years* * Refer to the battery life curves for more information Low battery warning in advertising frames (<15%)
CERTIFICATIONS	Battery voltage in scan response frames (configurable)
Europe	CE / UK CA : EN 300 328/ EN 301 489 & EN 55032 / EN 62368-1
USA	FCC : FCC PART 15
Canada	ISED : RSS-247 / ICES-003
RoHs/REACH	Yes
HOUSING	
Dimensions Weight Materials Waterproofness Operating temperature ACCESSORIES	Ø 57 mm base - Thickness 20 mm 50g DELRIN (POM C) Compatible with food products (90/128/EEC) IP 65 -40°C to +85°C
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	

