

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	2,4 GHz - Bluetooth Low Energy 4.0/4.2
Output power	Up to +4 dBm (configurable)
Range	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) <i>Other frame format available on request. Refer to the frames specifications for more information</i>
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
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