



ELA BLUE PUCK DI Digital Input Sensor

The **ELA BLUE PUCK DI Digital Input Sensor** is an autonomous digital input wireless sensor. It is used for the wireless status transmission of connected accessories which provide a binary output, in areas where dust-tight, water-proof, or wireless long-range solutions are required. The sensor collects the data and sends it to a tracking device via Bluetooth.

Applications

- Wireless digital information transfer from any accessory with digital outputs

Key Features

- Water-proof
- Dust-tight
- High lifetime

Compatibility

5 th Gen	<input type="checkbox"/>	Trace5	<input checked="" type="checkbox"/>	HCV5	<input checked="" type="checkbox"/>	LCV5	<input checked="" type="checkbox"/>	Pro5
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Detailed specifications

Environmental specifications

Operating temperature	-40 °C to +85 °C
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Electrical specifications

Idle mode operation voltage	3 V
High level detection operation voltage	2.1 – 3 V
Low level detection operation voltage	0 – 0.7 V

Bluetooth specifications

Signal transmission frequency	2.4 GHz
Protocol standard	Bluetooth Low Energy 4.0/4.2
Operating mode	Advertising beacon mode: periodic data transmission
Output power	+4 dBm (adjustable)
Transmission distance	500 m (open field only, depends on output power)
Transmission period	0.1 to 10s (adjustable)

Certifications

Europe	CE: EN 300 328, EN 301 489 & EN 55032, EN 62368-1
USA	FCC: FCC PART 15
Canada	ISED: RSS-247, ICES-003
RoHS	Yes

Physical properties

Sensor dimensions	∅ 57mm base, 20mm housing thickness
Net weight	50 g
Housing	IP68 Waterproof

Battery specifications

Battery power supply	Lithium internal battery, 3 V DC (not replaceable)
Battery life	Estimated 20 years with recommended configuration

Contact information:

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