

## ECO ES6 - DOOR SENSOR



Bluetooth Low Energy Magnetic sensor

### BENEFITS

- Integrated Hall effect magnetic sensor
- High autonomy : upto 4 years
- Waterproof (IP68)
- Smart & secure programming by NFC
- Over The Air Programming (OTAP)



## 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 200 meters in open field (+4dBm)
<b>Transmission period</b>	Advertising period (0,1 sec to 10 sec – configurable)
<b>Radio frame format</b>	Identifier (15 characters max.) (2 bytes)* Magnetic event counter: Total number of magnetic events detected (15 bits)* Magnetic instantaneous state (1 bit)* <i>*Refer to the frames specifications for more information</i>
<b>Settings and configuration</b>	Interface/protocole : NFC (Type 2)
<b>Connected mode</b>	Datalogger transmission (record of saved sensor data) Battery level command
<b>Advertising mode</b>	Periodic sensor data transmission. Immediate transmission on change of sensor state.
<b>Sensor 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
<b>Battery life</b>	Up to 4 years* <i>*Refer to the battery life curves for more information.</i>
<b>Battery level</b>	Low battery warning in advertising frames (<15%) Battery voltage in scan response frames (configurable)

**CERTIFICATIONS**

<b>Europe</b>	CE : EN 300 328/EN 300 330, EN 301 489, EN 62311, EN 62368
<b>USA</b>	FCC : FCC PART 15
<b>Canada</b>	ISED : RSS-247/ICES-003
<b>RoHS</b>	Yes

**HOUSING**

<b>Dimensions</b>	Ø 36mm base - Height 11,5mm
<b>Weight</b>	13g
<b>Materials</b>	DELIRIN (POM C) Compatible with food products (90/128/EEC)
<b>Waterproof grade</b>	IP 68
<b>Operating temperature</b>	-30°C to +70°C

**ACCESSORIES**

<b>Tag support</b>	(ACIOM92C) (ACIOM91) (ACIOM187) 3M PT1100 - Ø 34mm - Thickness: 1,1mm
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**MECHANICAL DRAWINGS**

