The new industrial reference in the world of wireless Digital output sensors in Mesh network!

- Long-range wireless communication using **mesh network** topology
- Digital output management
- Simple deployment, maintenance, and expansion
- Over-the-air (OTA) firmware update via network
- Robust industrial casing – **IP68**
- Integrated **NFC** chip

### TECHNICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Operating modes</th>
<th><strong>Autorole Mode:</strong> periodic data transmission of digital output state and state change counter</th>
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| Parameters and configuration | Interface/protocol NFC (Type 2)  
Configuration: Device Manager/ Mobile Manager application (Windows / Android)  
- Activation / deactivation  
- Configuration of identifier (3 Bytes), address, and Wirepas network channel  
- Transmission period (15 seconds to 18 hours - configurable in seconds)  
- BLE advertising frame: Transmission interval, name, and power  
Network configuration and diagnostics with Wirepas Network Tool application |
| Sensor option / performances | **MOSFET transistor:**  
Oprating range: 0-12V  
Maximum output power: 500mA  
Rds ON: 0.6 Ohms (at 500mA)  
Activation, deactivation and activation command for XX seconds. |
| Frequency | 2.4 GHz – BLE channels / Mesh network |
| Output power | Up to +4 dBm (adaptive/smart network) |
| Range | Up to 140 meters in open field (+4 dBm) |
| Power supply | 3 VDC – Internal lithium battery |
| Battery life |  
- Up to 4 years with a data transmission every minute*  
- Battery voltage level sent via network and on MQTT Topic  
*For more detailed battery lifetime specification please refer to autonomy spec sheet |
| Operating temperature | -40°C to +85°C |
| Casing | Ø 57 mm basis - height 20 mm  
Case provided with a 64 mm cable gland (excluding cable)  
IP 68 Waterproof - Weight – 50 g  
DELRIN (POM C) Adapted for food supply (90/128/EEC) |
| Standards | EC (Europe): EN 300 328/ EN 301 489 & EN 55032 / EN 62368-1 - RoHS  
FCC (USA): FCC 15.247/FCC PT 15B; ISED (Canada)*: RSS-247/ICES-003 |
| Accessories | PUCK HOLDER STICKER (ACIOM92B), PUCK STICKER (ACIOM188) |