

Wireless optical sensor sWave.NET® RF 96 LT-NET

Features/Options:

- sWave.NET® wireless technology (SW868/SW915/SW917/SW922)
- Light sensor: registration by light reflection
- Cable-free - with cost savings for installation and maintenance
- Configurable online via wireless interface
- Simple operation and integration in existing ERP systems via Sensor Bridge
- High scalability - up to several hundred sensors in one application
- Battery life approx. 10 years
- Low switching frequency < 1 Hz

Technical data

Enclosure	glass-fibre reinforced, shock-proof thermoplastic (PA 66), self-extinguishing UL 94-V0
Tightening torque	M4 mounting screw enclosure: max 1.2 Nm, M2.5 cover screws: approx. 0.45 Nm
Sensor	Ir Reflex push-button
Degree of protection	IP 40 to IEC/EN 60529
Protocol	sWave.NET®
Ambient temperature	0 °C ... +65 °C
Switching distances	white paper: 170 mm grey card 18% reflection: 90 mm storage box blue: 90 mm storage box red: 120 mm storage box black: 40 mm
Switching frequency	≤ 1 Hz
Standby current	130 µA sensor not actuated, 250 µA sensor actuated
Voltage supply	Lithium battery (replaceable)
Frequency	868.3 MHz (EU, Switzerland) or 915 MHz (USA, Canada and Mexico) or 917 MHz (Brazil) or 916.5 MHz (Japan)
Wireless range	SW868/915/917: max. 450 m outside, max. 40 m inside SW922: max. 150 m outside, max. 20 m inside
Actuating time	min. 300 ms
Note	Transmission of battery voltage and switching condition