

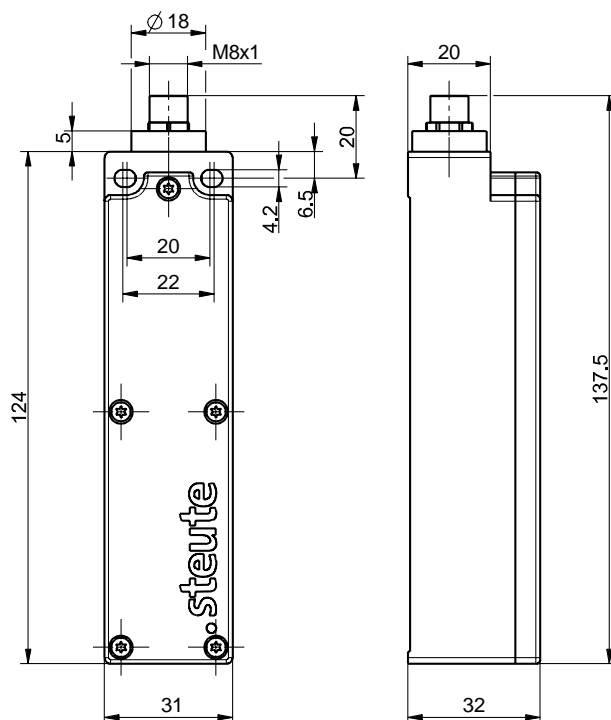


Radio module RF 96 BU SW917-NET-LDS Material no.: on request

Product features

- sWave.NET® wireless technology
- Wireless module for laser sensors series RF LDS-NET

Dimensions



General technical data

Applied standards

EN 60947-5-1, EN 61000-6-2, EN 61000-6-3, EN 301 489-1, EN 301 489-3, EN 300 220-1, EN 300 220-2

Enclosure

thermoplastic, glass-fibre reinforced, shockproof, self-extinguishing UL 94 V-0

Tightening torque

M4 enclosure mounting screws: max 1.2 Nm
M2.5 cover screws: approx. 0.45 Nm

Degree of protection

IP67 (IEC/EN 60529)

Sensor

logging with IR laser, suitable for external connection

Ambient temperature

0 °C ... +65 °C

Operation cycles

max. 7200 telegrams with repetitions/h

Switching frequency

adjustable, default 0.1 Hz, max. 0.5 Hz, min. 31 s corresponds to approx. 0.032 Hz

Cycle time

adjustable, default 10 s, min. 2 s, max. 31 s

Switching distances

0 - 40 cm ... 0 - 10,000 cm, default 100 cm, adjustable in 1 cm steps

Hysteresis

one side, default 10 cm, adjustable in 1 cm steps

Standby current

250 µA with default settings (10 s cycle time) and a connected sensor RF LDS SPOT/ZONE

Actuating time

min. 20 ms

Note

transmission of battery voltage and switching condition

Wireless approvals

Brazil: ANATEL 04172-18-06718

Errors and omissions excepted.



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Wireless technology

Protocol sWave.NET®	Data rate 66 kbps
Frequency 917 MHz (Brazil)	Channel bandwidth 550 kHz
Transmission power < 25 mW	Wireless range max. 450 m outdoors, max. 40 m indoors

Voltage supply

Voltage source lithium battery Tadiran SL-2770 (replaceable)
System Li/SOCl ₂
Nominal voltage 3.6 V
Nominal capacity 8.5 Ah
Battery life Typical values with default settings. Actuation interval 10 s: approx. 3.3 years 100 s: approx. 3.8 years 1,000 s: approx. 3.8 years 10,000 s: approx. 3.8 years NB: The stated battery lifetimes refer to one connected sensor. With each further sensor, the battery lifetime will decrease. It will increase with each doubling of the configured switching period.

Alternative voltage supply

Voltage source lithium battery Tadiran SL-760 (replaceable)	Battery life Typical values with default settings. Actuation interval 10 s: approx. 0.8 years 100 s: approx. 1.0 years 1,000 s: approx. 1.0 years 10,000 s: approx. 1.0 years NB: The stated battery lifetimes refer to one connected sensor. With each further sensor, the battery lifetime will decrease. It will increase with each doubling of the configured switching period.
System Li/SOCl ₂	
Nominal voltage 3.6 V	
Nominal capacity 2.2 Ah	

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Switching example

