

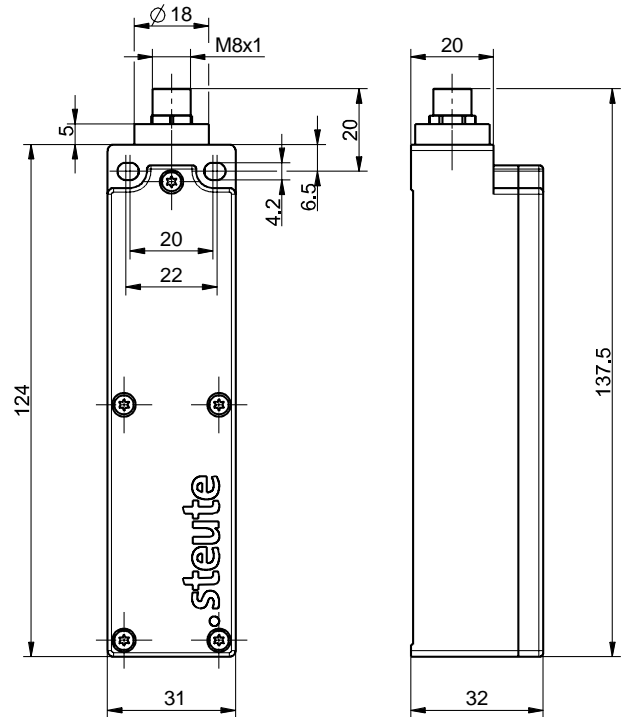


Radio module RF 96 BU SW915-NET-LDS Material no.: on request

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

USA: FCC - XK5-RFRXSW915
Canada: IC - 5158A-RFRXSW915
Mexico: IFT - RCPSTRF17-1886

Errors and omissions excepted.



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Wireless technology

Protocol
sWave.NET®

Frequency
915 MHz (USA, Canada, Mexico, Australia)

Transmission power
< 25 mW

Data rate
66 kbps

Channel bandwidth
550 kHz

Wireless range
max. 450 m outdoors, max. 40 m indoors

Voltage supply

Voltage source
lithium battery Tadiran SL-2770 (replaceable)

System
Li/SOCl₂

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)

System
Li/SOCl₂

Nominal voltage
3.6 V

Nominal capacity
2.2 Ah

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
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Switching example

