



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

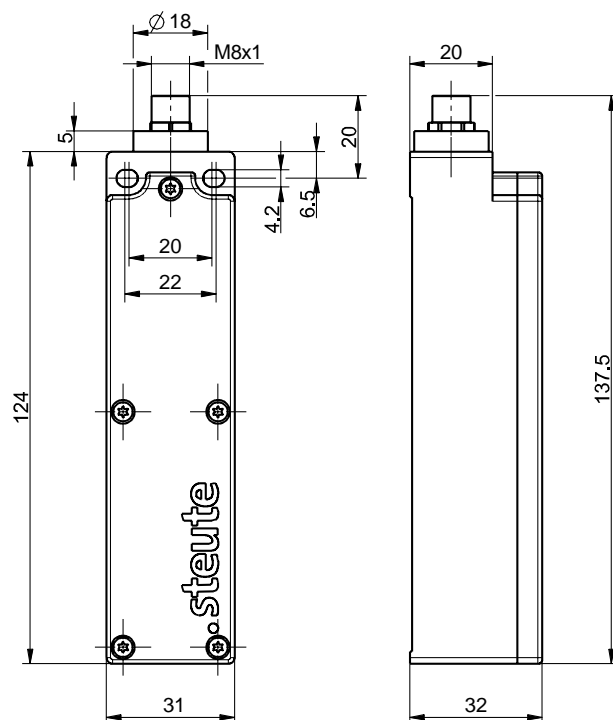
### Product features

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

#### Notes

- The battery must be ordered separately.

### Dimensions



### General technical data

#### Applied standards

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

#### Telegram rate

max. 7200 telegrams with repetitions/h

#### Switching frequency

adjustable, default 0.067 Hz, max. 0.5 Hz, min. 31 s  
corresponds to approx. 0.032 Hz

#### Cycle time

adjustable, default 15 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

with standard settings (15 s switching period):  
RF LDS SPOT: 110  $\mu$ A  
RF LDS ZONE: 160  $\mu$ A

#### Actuating time

min. 20 ms

#### Note

transmission of battery voltage and switching condition

#### Wireless approvals

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

Errors and omissions excepted.



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### Wireless technology

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<b>Protocol</b> sWave.NET®	<b>Channel bandwidth</b> 550 kHz
<b>Frequency</b> 915 MHz (USA, Canada, Mexico)	<b>Wireless range</b> max. 450 m outdoors, max. 40 m indoors
<b>Transmission power</b> < 25 mW	<b>Modulation type</b> 2-FSK
<b>Data rate</b> 66 kbps	

### Voltage supply

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**Voltage source**  
lithium battery Tadiran SL-2770 (C), replaceable

**System**  
Li/SOCl<sub>2</sub>

**Nominal voltage**  
3.6 V

**Nominal capacity**  
8.5 Ah

**Battery life**  
Typical values with default settings.  
**RF LDS SPOT - switching period:**  
5 s: approx. 3.0 years;  
10 s: approx. 5.3 years;  
15 s: approx. 7.1 years;  
30 s: approx. 10 years.  
**RF LDS ZONE - switching period:**  
5 s: approx. 1.9 years;  
10 s: approx. 3.5 years;  
15 s: approx. 5.0 years;  
30 s: approx. 8.6 years.