



## Radio module RF 96 BU SW915B-NET-LDS Article no.: on request

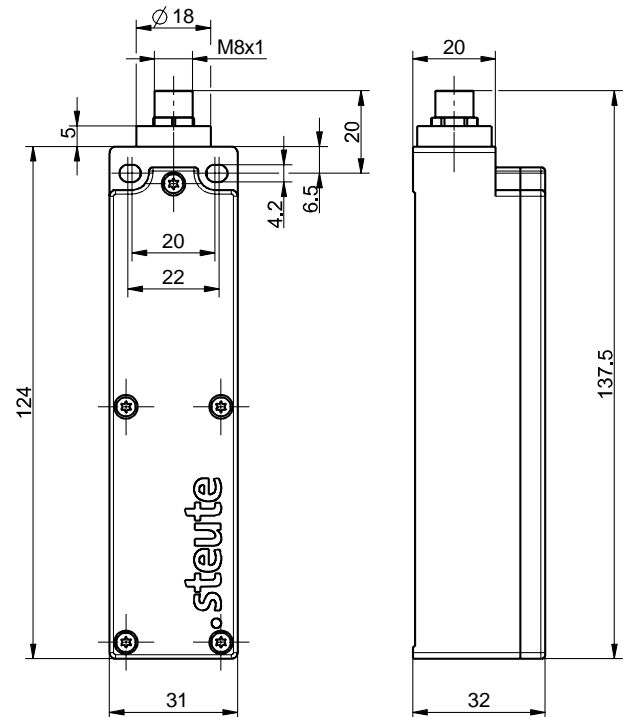
### Product features

- 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 µA  
RF LDS ZONE: 160 µA

#### Actuating time

min. 20 ms

#### Note

transmission of battery voltage and switching condition

Errors and omissions excepted.



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### Wireless technology

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#### General

##### Frequency

914.2 MHz (USA, Canada)

##### Data rate

62.5 kbps

##### Channel bandwidth

500 kHz

##### Modulation type

CSS

##### Protocol

sWave.NET®

#### Transmission power

< 25 mW

#### Wireless approvals

USA: FCC - VPYLBA0QB1SJ

Canada: IC - 772C-LBAA0QB1SJ

#### Function

#### Wireless range

max. 450 m outdoors, max. 40 m indoors

### 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.