

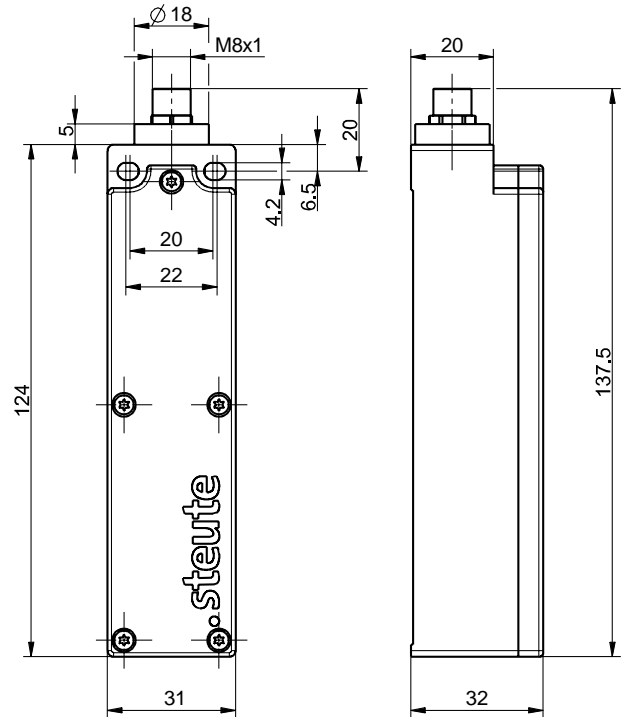


## Wireless module RF 96 BU SW917-NET-LDS Material no.: on request

### 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, shock-proof, self-extinguishing UL 94 V-0

#### Tightening torque

M4 enclosure mounting screws: max 1.2 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  $\mu$ A with default settings (10 s cycle time) and a connected sensor RF LDS SPOT/ZONE

#### Wireless range

max. 450 m outdoors,  
max. 40 m indoors

#### 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

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**Protocol**  
sWave.NET®

**Frequency**  
917 MHz (Brazil)

**Transmission power**  
< 25 mW

**Data rate**  
66 kbps

**Channel bandwidth**  
550 kHz

### Voltage supply

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

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

**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

N.B.: The battery lifetime is more or less reversely linear to the number of connected sensors, and linear to the cycle time.

### Alternative voltage supply

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**Voltage source**  
lithium battery Tadiran SL-760 (replaceable)

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

**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

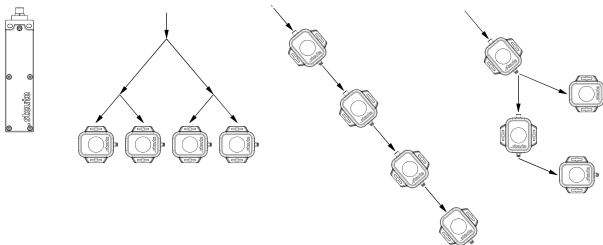
1,000 s: approx. 1.0 years

10,000 s: approx. 1.0 years

N.B.: The battery lifetime is more or less reversely linear to the number of connected sensors, and linear to the cycle time.

### Switching example

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Errors and omissions excepted.