

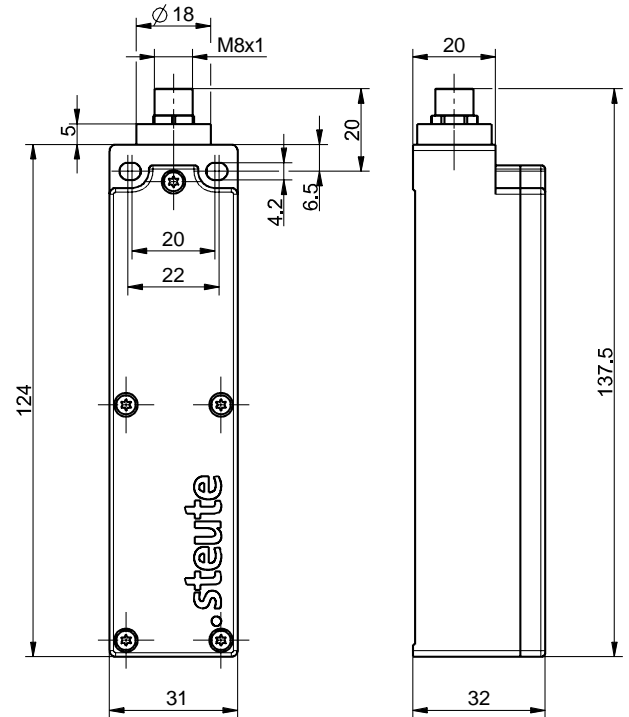


## Radio module RF 96 BU SW922-NET-LDS Material no.: on request

### 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. 1440 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

Japan:  ARIB STD-T108: 204-610002

Errors and omissions excepted.



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### Wireless technology

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<b>Protocol</b> sWave.NET®	<b>Data rate</b> 66 kbps
<b>Frequency</b> 916.5 MHz (Japan)	<b>Channel bandwidth</b> 520 kHz
<b>Transmission power</b> < 1 mW	<b>Wireless range</b> max. 150 m outdoors, max. 20 m indoors

### Voltage supply

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<b>Voltage source</b> lithium battery Tadiran SL-2770 (replaceable)
<b>System</b> Li/SOCl <sub>2</sub>
<b>Nominal voltage</b> 3.6 V
<b>Nominal capacity</b> 8.5 Ah
<b>Battery life</b> 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

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<b>Voltage source</b> lithium battery Tadiran SL-760 (replaceable)	<b>Battery life</b> 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.
<b>System</b> Li/SOCl <sub>2</sub>	
<b>Nominal voltage</b> 3.6 V	
<b>Nominal capacity</b> 2.2 Ah	

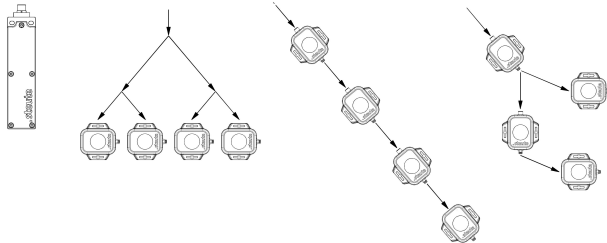
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## Switching example

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