

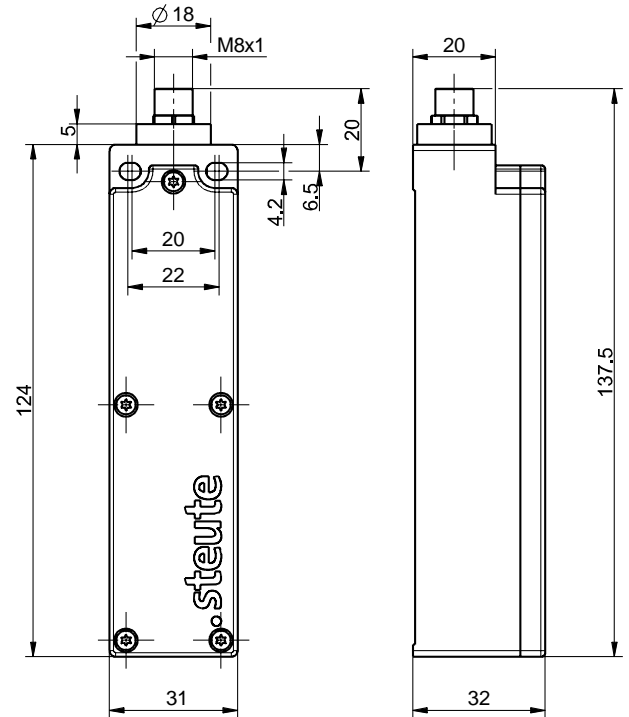


Wireless module RF 96 BU SW922-NET-LDS Material no.: on request

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, 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. 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

Wireless range

max. 150 m outdoors,
max. 20 m indoors


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

Protocol
sWave.NET®

Frequency
916.5 MHz (Japan)

Transmission power
< 1 mW

Data rate
66 kbps

Channel bandwidth
520 kHz

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

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

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

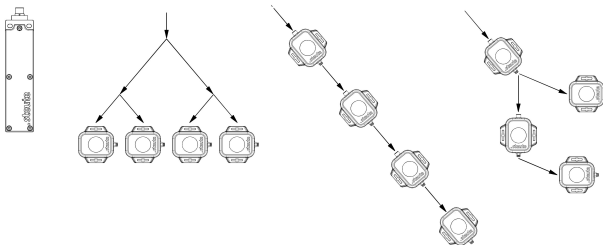
100 s: approx. 1.0 years

1,000 s: approx. 1.0 years

10,000 s: approx. 1.0 years

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



Errors and omissions excepted.