



Universal transmitter - 4 port RF I/O SW915B-NET Article no.: on request

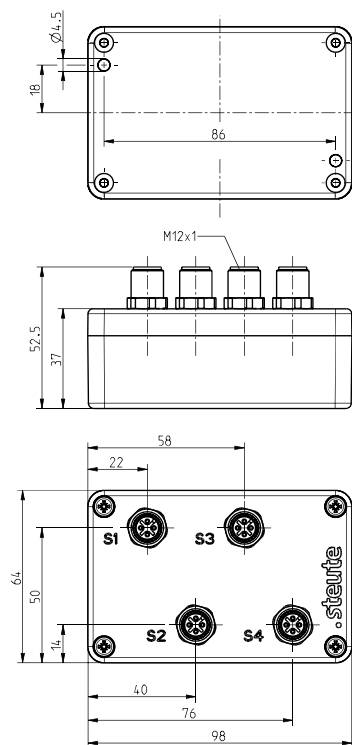
Product features

- Thermoplastic enclosure
- 4 x plug-in connector M12
- sWave.NET® wireless technology
- No wiring or cable laying required
- Power supply by lithium battery
- Configurable online via wireless interface

Notes

- The RF I/O may be used in combination with wireless inductive sensor RF IS or wireless magnetic sensor RF RC M10.
- Connection of external switching contact (potentialfree contact) with gold contacts possible.
- The battery must be ordered separately.

Dimensions



General technical data

Applied standards

EN 60947-5-1, EN 61000-6-3, EN 300 220-2, EN 301 489-3, EN 62479

Enclosure

ABS, UL 94 HB, RAL 9005

Antenna

integrated antenna

Tightening torque

enclosure mounting screws: max. 1.5 Nm
cover screws: max. 1.5 Nm

Degree of protection

IP65 (IEC/EN 60529), only with plugged cables and/or with closed protective caps

Connection

4 x plug-in connector M12 x 1, 4-pole, A-coded

Connectable devices

RF IS M8, RF IS M12, RF IS M18, RF IS M30, RF RC M10, external switches using the coupling with connecting cable 1215497 or 1262873

Safety class

III

Ambient temperature

-20 °C ... +65 °C

Type of installation

mount on an even surface

Mounting position

any

Mounting

screws M4

Telegram rate

max. 12000 telegrams with repetitions/h

Switching frequency

max. 5 Hz

Standby current

60 µA

Actuating time

min. 80 ms

Errors and omissions excepted.



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General technical data (contd.)

Note

transmission of battery voltage and switching condition

Wireless technology

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 - VPYLBAA0QB1SJ

Canada: IC - 772C-LBAA0QB1SJ

Function

Wireless range

max. 450 m outdoors, max. 40 m indoors

Voltage supply

Voltage source

lithium battery Tadiran TL-5903 (replaceable)

System

Li/SOCl₂

Nominal voltage

3.6 V

Nominal capacity

2.4 Ah

Alternative voltage supply

Voltage source

lithium battery Tadiran SL-760 (AA), replaceable with adapter

System

Li/SOCl₂

Nominal voltage

3.6 V

Nominal capacity

2.2 Ah

Battery life – magnetic sensor / external contact

depending on the switching frequency

mainly not activated

10 s: approx. 3.2 years; 100 s: approx. 4.1 years; 1,000 s: approx. 4.2 years

mainly activated

10 s: approx. 2.0 years; 100 s: approx. 2.4 years; 1,000 s: approx. 2.4 years

Battery life – inductive sensor 1 x

depending on the switching frequency

mainly not activated

10 s: approx. 0.8 years; 100 s: approx. 0.9 years; 1,000 s: approx. 0.9 years

mainly activated

10 s: approx. 1.3 years; 100 s: approx. 1.5 years; 1,000 s: approx. 1.5 years

Battery life – inductive sensor 4 x

depending on the switching frequency

mainly not activated

10 s: approx. 0.3 years; 100 s: approx. 0.3 years; 1,000 s: approx. 0.3 years

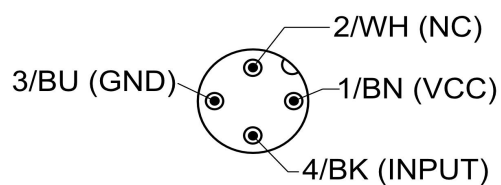
mainly activated

10 s: approx. 0.5 years; 100 s: approx. 0.5 years; 1,000 s: approx. 0.5 years



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Pin assignment



Colour coding only valid for
coupling 4-poles mat. no. 1215497 and
coupling 4-poles mat. no. 1262873

External switch contact

