



Universal transmitter - 4 port RF I/O SW915-NET Article no.: on request

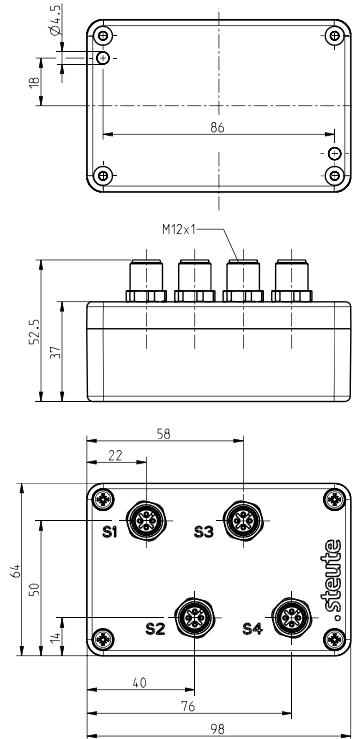
Product features

- Thermoplastic enclosure
- 4 x plug-in connector M12
- sWave.NET® wireless technology
- No wiring and 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 61000-6-2, EN 61000-6-3, EN 301 489-1, EN 301 489-3, EN 300 220-1, EN 300 220-2

Enclosure

ABS, UL 94 HB, RAL 9005

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

Ambient temperature

-20 °C ... +65 °C

Telegram rate

max. 12000 telegrams with repetitions/h

Switching frequency

max. 5 Hz

Standby current

60 µA

Actuating time

min. 80 ms

Note

transmission of battery voltage and switching condition

Wireless approvals

USA: FCC-Id. XK5-RFRXSW915
Canada: IC - 5158A-RFRXSW915
Mexico: IFT - RCPSTRF17-1886

Mounting

screws M4

Errors and omissions excepted.



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Wireless technology

Protocol	Data rate
sWave.NET®	66 kbps
Frequency	Channel bandwidth
915 MHz (USA, Canada, Mexico)	550 kHz
Transmission power	Wireless range
< 25 mW	max. 450 m outdoors, max. 40 m indoors

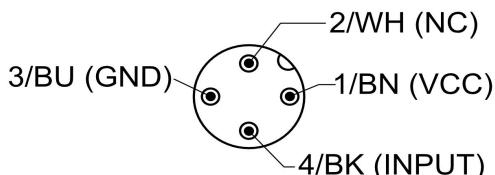
Voltage supply

Voltage source	Nominal voltage
lithium battery Tadiran TL-5903 (replaceable)	3.6 V
System	Nominal capacity
Li/SOCl ₂	2.4 Ah

Alternative voltage supply

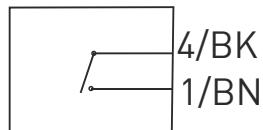
Voltage source	Battery life – inductive sensor 1 x
lithium battery Tadiran SL-760 (AA), replaceable	depending on the switching frequency mainly not activated
System	10 s: approx. 0.8 years; 100 s: approx. 0.9 years; 1,000 s: approx. 0.9 years
Li/SOCl ₂	mainly activated
Nominal voltage	10 s: approx. 1.3 years; 100 s: approx. 1.5 years; 1,000 s: approx. 1.5 years
3.6 V	
Nominal capacity	
2.2 Ah	
Battery life – magnetic sensor / external contact	Battery life – inductive sensor 4 x
depending on the switching frequency	depending on the switching frequency
mainly not activated	mainly not activated
10 s: approx. 3.2 years; 100 s: approx. 4.1 years; 1,000 s: approx. 4.2 years	10 s: approx. 0.3 years; 100 s: approx. 0.3 years; 1,000 s: approx. 0.3 years
mainly activated	mainly activated
10 s: approx. 2.0 years; 100 s: approx. 2.4 years; 1,000 s: approx. 2.4 years	10 s: approx. 0.5 years; 100 s: approx. 0.5 years; 1,000 s: approx. 0.5 years

Pin assignment



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

External switch contact



Errors and omissions excepted.