



Wireless universal transmitter RF 96 BU SW917NG LBT Article no.: on request

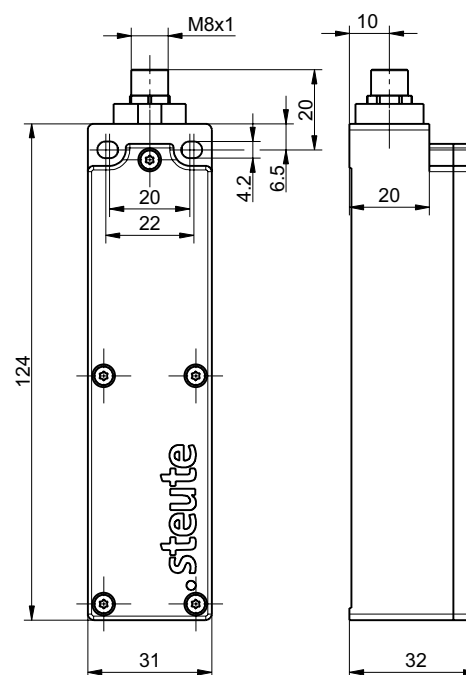
Product features

- Thermoplastic enclosure
- Mounting details to EN 50047
- Socket M8
- sWave® wireless technology
- No wiring or cable laying required
- Power supply by lithium battery
- Output signal can be individually configured at the receiver
- LBT - Listen Before Talk firmware

Notes

- The RF 96 BU may be used in combination with wireless inductive sensor RF IS FL or wireless magnetic sensor RF RC M8 / RF RC M10.
- Connection of external switching contact (potentialfree contact) with gold contacts possible.
- The battery must be ordered separately.
- This is available for sale within Australia/NZ only through our partner NHP Electrical engineering Products Pty. Ltd.

Dimensions



General technical data

Applied standards

IEC 60947-5-1, CISPR 32:2015 + AMD1:2019; ARPANSA S-1:2021; AS/NZS 2772.2:2016 + AMD1:2018; ACMA Radiocommunications Equipment (General) Rules 2021; NZ RSM General User Radio Licence – Special Condition 23

Enclosure

thermoplastic, glass-fibre reinforced, shockproof, self-extinguishing UL 94 V-0

Battery adapter

POM C, natural

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), only with plugged cable

Safety class

III

Connection

socket M8 x 1, 4-pole

Connectable devices

RF IS M* FL, RF RC M*

Ambient temperature

-20 °C ... +65 °C

Type of installation

screw connection

Mounting position

any

Actuating time

min. 80 ms

Switching frequency

max. 5 Hz

Note

transmission of battery voltage and switching condition

Errors and omissions excepted.



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Wireless technology

General

Frequency

917.0 MHz (Australia)

Data rate

66 kbps

Channel bandwidth

550 kHz

Modulation type

2-FSK

Protocol

sWave®

Transmission power

< 25 mW

Wireless approvals

Australia: 

Function

Telegram rate

max. 12000 telegrams with repetitions/h

Wireless range

max. 450 m outdoors, max. 40 m indoors

Collision avoidance procedure

LBT - Listen Before Talk software

Note

LBT – can be deactivated via radio receiver (e.g. in conjunction with repeaters)

status signal – can be individually configured via radio receiver (delivery state: without status signal)

Go to our different wireless receivers to find corresponding how-to videos.

Antenna

internal antenna

Voltage supply

Voltage source

lithium battery Tadiran SL-2770 (C), replaceable

System

Li/SOCl₂

Nominal voltage

3.6 V

Nominal capacity

8.5 Ah

Standby current

< 10 µA (without sensor)

Battery life

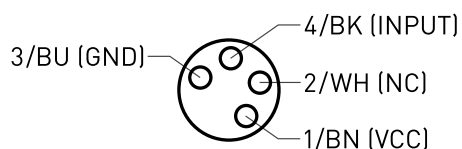
depending on the switching frequency

10 s: >10 years

100 s: >10 years

1000 s: >10 years

Pin assignment



NC = not connected

Errors and omissions excepted.