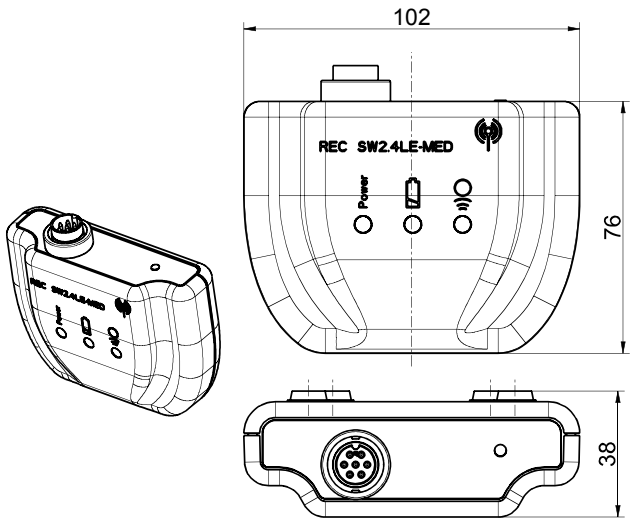
Medical wireless receiver
REC SW2.4LE-MED AG43
Material no.: on request

Product features

- 4 digital switching outputs (relay)
- 2 digital validate outputs (relay)
- 1 serial interface (RS 232)
- Wireless receiver for medical applications

Dimensions



General technical data

Applied standards
IEC 60601-1, ANSI/AAMI ES60601-1, IEC 62304, IEC 60529

Enclosure
ABS, pure white, similar to RAL 9010

Antenna
internal antenna

Degree of protection
IP40 to IEC/EN 60529; DIN VDE 0470

Mechanical life
> 1 million operations

Rated operating voltage U_e
24 VDC

Rated operating current I_e
not activated < 50 mA; activated < 100 mA

Rated operating power Pe
not activated 1.2 W; activated 2.4 W

Outputs
6 potential-free NO contacts: K1-K4 Reed relays, K5 optional Validate relay, K6 Validate relay

Switching capacity
max. 10 W

Switching voltage
24 VAC/DC

Switching current
max. 0.5 A

Conformity
Global: cCSAus IEC 60601-1, -1-2, -2-22, -2-43
Europe: CE EN 300 328; EN 62479; EN 301 489-1; EN 62368-1
USA: FCC Title 47 CFR, Part 15
Canada: IC RSS-247, Issue 1
Japan: ARIB STD-T66

Wireless technology

Frequency
2.4 - 2.4835 GHz

Channel bandwidth
2 MHz

Wireless range
10 m (typical)

Output power
3 dBm - 7 dBm

Input sensitivity
-93 dBm

HF data rate
1 Mbps

Errors and omissions excepted.

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Wireless technology (contd.)

Modulation principle
GFSK, adaptive frequency hopping of 40 channels

Interface data rate
115.2 kBd (UART)

Note

- Since this article is part of a medical product, it can only be validated in combination with the overall system. Proof of conformity to the Medical Device Regulation (MDR 2017/745) can therefore only be handled by the customer marketing the system. At the request of the customer, steute can affix a CE mark with the 4-digit number of the appropriate notified body.