



Wireless receiver

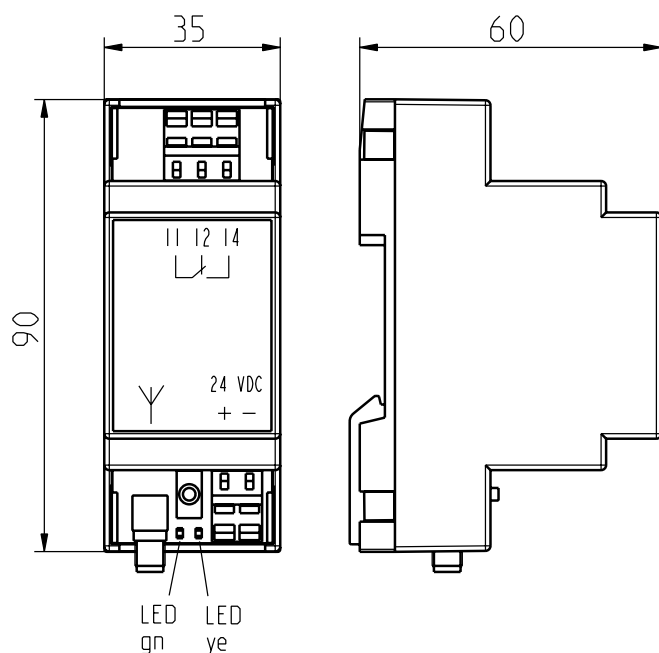
// RF Rx EN868-1W 24 VDC Order no.: 90590001

Features/Options

- EnOcean standard
- 1-channel: potential-free relay output
- 1 change-over contact

- Transmitter/receiver assignment by teaching mode
- LEDs for indication of switching state
- SMA plug-in connector for external antenna

Dimensions



Technical data

Standards

EN 60947-5-1; EN 61000-6-2;
EN 61000-6-3; EN 60068-2-6;
EN 60068-2-27; EN 301 489-1;
EN 301 489-3; EN 300 220-2;
EN 300 220-3

Number of channels

1

Mounting

DIN rail mounting

Connection

terminals with CAGE CLAMP
WAGO Series 236: 0.08 ... 2.5 mm²
/ AWG 28-12, AWG 12: THHN,
THWN, stripping length 5 ... 6 mm
/ 0.22 in

Degree of protection

IP 20 to IEC/EN 60529

Inputs

1 wireless channel, max. 10
transmitters per channel

Output

1 change-over contact (relay)

Rated operating current I_e

max. 0.22A AC; 0.08A DC

Rated operating voltage U_e

24 VAC/DC -15 % ... +10 %

I_e/U_e of output contacts

6A / 250 VAC; 2A / 24 VDC

Utilisation category

AC-15

U_i

250 VAC

U_{imp}

2.5 kV

Frequency

868.3 MHz

LED display

green LED: supply voltage,
orange LED: switching conditions
approx. 9000 telegrams at
repetitions/h

Switching frequency

Degree of pollution

2 per DIN VDE 0110

Ambient temperature

0 °C ... +55 °C

Storage and shipping temperature

-25 °C ... +85 °C

Vibration resistance

NO contact 20 g, NC contact 5 g

Shock resistance

max. 100 g

External antenna

always required for optimum
sensing range

Note

Inductive loads (contactors, relays
etc.) are to be suppressed by
suitable circuitry.

Approvals



Arrangement of receiver and switch antenna



Optimum
mounting



Possible
mounting



Unsuitable
mounting

Note

The antenna must be mounted on a
metal plate of min. 250 x 250 mm size.

Errors and omissions excepted.