# XRF-R.1

Receiver to XRF wireless transmission system

## Receiver with one safety output

### Mechanical data

- **Dimensions**: 121 x 50 x 23 mm
- **Material (housing)**: ASA light grey
- **Terminals**: 8, push-in spring connection
- **Cable strain relief**: Built in (for cable Ø 3.1 to 5.2 mm)
- **Weight**: 75 g

### Electrical data

- **Supply voltage**: 12–36 V DC; 12–36 V AC, 48–62 Hz
- **Power consumption**: Max. 0.6 W
- **Test input (for Cat. 2 applications)**: Uth > 10 V AC/DC, < 11 mA @ 36 V
- **Safety output**: 1 (with 2 relays)
  - Max. 36 V AC/DC, 1 A
  - NO (with parallel resistor 8.2 kOhm) / NC (with 1A fuse)
- **Display**: 2 LED bicolor (1x visible w/o cover only)
- **Pushbutton**: For pairing
- **Dip-switch (test input)**: Factory setting: OFF (= high active)

### In combination with XRF transmitters

- **Number of supported sensors**: Max. 14
- **Range**: 100 m at optimum conditions
- **Reaction time**: Typ. 15 ms
- **Communication**: Bidirectional
- **Operating frequency**: 868.3 MHz
- **Radiated power**: < 10 dbm / 10 mW
- **Low battery indication**: Acoustic and optical (on the receiver)

### Approvals

- EN 300 220, EN 301 489
- EN ISO 13849-1 (PL d, Cat. 3, MTTFd 291 y) Test input for Cat. 2 applications

### Ambient conditions

- **Protection category**: IP65
- **Operating temperature**: -20°C to +60°C
- **Storage temperature**: -40°C to +80°C
- **Rel. air humidity**: < 95%, non-condensing

### Box content

Receiver, 6 instruction manuals (DE, EN, FR, IT, NL, SV), mounting material

### Dimensions

![Diagram of XRF-R.1 receiver with dimensions and features]