

# RF3212 Series RF Receivers

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Invented for life



- ▶ Receives low battery, tamper, and sensor status reports
- ▶ LED indicates receiver status
- ▶ Cover tamper with optional wall tamper
- ▶ Diversity antennas

The RF3212 Series RF Receivers include the following models:

Model	RF Transmission
RF3212	304.00 MHz
RF3212E	433.42 MHz

Each model allows Bosch I/P bus control panels to receive RF signals from wireless devices. The wireless devices save time for busy installers and homeowners and the receivers are a valuable option for system users who want additional security without disruptive installations. Tamper, jam detection, and sensor missing status reports confirm that the system is working properly.

## Certifications and approvals

Region	Certification
Europe	CE RF312E: 1999/5/EC, EN60950: 1993 +A1 +A2 +A3 +A4, EN300220-1: 1997, EN300683: 1997
	CE RF3212E: 1999/5/EC, EN60950 1992 (2nd edition) +A1 (1993) +A2 (1993) +A3 (1995) +A4 (1997), EN55022-1 Class B (1999), EN55024 (1998), EN50130-4 (1995) +A1 (1998) +A2

Region	Certification
	(2003), EN61000-4-2 (1995), EN61000-4-3 (1997), EN61000-4-4 (1995), EN61000-4-5 (1995), EN61000-4-6 (1997), EN61000-4-8 (1994), EN61000-4-11 (1994), EN301489-3 (2000), ETS300683 (1997), EN300222-1 (1997-99), EN300220-3 (1997-99)

## Installation/configuration notes

### Mounting Considerations

- Mount the receiver in a central location in respect to all wireless sensors.
- Mount the receiver on a vertical surface with at least 25 cm (10in.) clearance for the antennas.
- Do not mount the receiver in areas with significant metal or electrical wiring such as furnace rooms and utility rooms. If this is unavoidable, mount the receiver with the antennas extending above any metal surface.
- Avoid exposing the receiver to moisture.
- Reception distances improve with higher mounting locations and without metal objects near the receiver antennas.
- Building materials can reduce the overall range.

## Compatibility Information

Receiver	Control Panels
RF3212 and RF3212E	Solution Ultima CC488

## Technical specifications

### Environmental Considerations

Temperature (Operating):	-20°C to +65°C (-4°F to +150°F)
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### Mechanical Properties

Dimensions:	10.8 cm x 15.2 cm x 3.1 cm (0.25 in. x 6 in. x 1.2 in.)
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### Power Requirements

Current Draw:	30 mA nominal
Voltage (Input):	12 VDC

### Reception Characteristics

#### RF3212

Frequency:	304.00 MHz
Range (open air):	91 m (300 ft) nominal Up to 274 m (900 ft) if jam is off

#### RF3212E

Frequency:	433.42 MHz
Range (open air):	305 m (1000 ft)

## Ordering information

### RF3212 RF Receiver (304.00 MHz)

304.00 MHz version of the RF3212 RF Receiver.  
Order number **RF3212**

### RF3212E RF Receiver (433.42 MHz)

433.42 MHz version of the RF3212 RF Receiver.  
Order number **RF3212E**

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