BOSCH

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RF3227E RF Receiver (433.42 MHz)

- ▸ **Receives low battery, tamper, and sensor status reports**
- ▸ **LED indicates receiver status**
- ▸ **Cover, wall, and antenna tamper**
- ▸ **System allows two receivers for larger area coverage**
- ▸ **Supervisory interval programmable through the control panel**
- ▸ **4-hour smoke detector supervision**

The RF3227E RF Receiver allows the option bus of compatible control panels to receive RF signals from up to 96 wireless devices. The RF3227E supports up to eight keypads and 96 key fobs or input sensors.

Tamper, jam detection, and sensor missing status reports provide reassurance that the system works correctly.

The RF3227E receives at 433.42 MHz.

Certifications and Approvals

Region	Certification	
Europe	CE	1999/5/EC, 2006/95/EC, 2004/108/EC; EN 55022:2006 + A1:2007, Class B; EN 50130-4 w/A1:1998 + A2:2003; EN61000-3-2:2006; EN61000-3-3:1995; EN 60950-1:2001; TBR21:1998

Installation/Configuration Notes

Compatibility Information

The following products are compatible with the RF3227E Receiver:

Category	Product ID	Product Description
Control Panels	CC7240-A	Solution 40 Control Panel
	DS7000 Series	DS7240V2 Control Panel and DS7220V2 Control Panel
Detectors	RF280ETHS	Wireless smoke detector
	RF835E	Wireless TriTech® detector
	RF940E	Wireless PIR detector
	RF1100E	Wireless glass-break detector
	RF3401E	Wireless point transmitter
	RF3405E	Wireless inertia transmitter
Keypads and fobs	RF3332E	Two-button key fob
	RF3334E	Four-button key fob
	RF3501E	One-button panic key fob
	RF3501LE	One-button panic key fob
	RF3503E	Two-button transmitter

Mounting Considerations

Whenever possible, mount the receiver in a central location in regard to all wireless sensors. The receiver should be mounted vertically with at least 25 cm (9.8 in.) clearance above it for the antennas. Avoid mounting the receiver in areas with moisture and significant metal or electric wiring, such as furnace rooms and utility rooms. If this is unavoidable, mount the receiver with the antennas extending above any metal surface.

Wiring

The wire length between the receiver and the control panel must not exceed 300 m (984 ft). Use solid wire with a minimum diameter of 0.8 mm or stranded wire with a minimum diameter of 1.0 mm. Adding additional devices to the bus may reduce the maximum wire length.

Note Do not use twisted pair wire or shielded cable.

Parts Included

Quant.	Component
1	RF3227E Receiver
1	433.42 MHz antenna
1	Hardware pack
1	Literature pack

Technical Specifications

Environmental Considerations

Temperature (Operating):	0℃ to +65℃

Mechanical Properties

Dimensions including antenna:	25.6 cm x 15.2 cm x 3.0 cm

Power Requirements

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

Reception Characteristics

Frequency:	433.42 MHz
Range:	305 m

Trademarks

TriTech®® is a registered trademark of Bosch Security Systems in the United States.

Ordering Information

RF3227E RF Receiver (433.42 MHz)   **RF3227E**
Receives RF signals from up to 96 wireless devices