

RF3405E Wireless (RF) Inertia Transmitter



Security Systems



- Internal magnetic reed switch
- Supervised external loop
- Gross or minor attack movement settings
- Test mode

The RF3405E is a wireless transmitter with an inertia sensor, reed switch, and supervised external contact input. It is used for monitoring doors, windows, or other dry contact devices.

System Overview

The RF3405E has an inertia sensor with programmable sensitivity settings. You can set the transmitter to monitor the inertia sensor or external loop. Internal reed switches can also accept a dual EOL resistor supervised dry contact input from an external device. You can enable or disable the reed switch. A cover and wall tamper switch is provided. All transmissions from the RF3405E send battery status information.

Functions

Supervised External Loop

Supervision is provided by transmitting a signal to the receiver every thirteen minutes if there is no other activity.

Gross or Minor Attack Movement Settings

Program the minor attack settings to react after four or eight repetitive pulses. If gross attack is enabled, the inertia sensor only reacts to major attack movement. The gross attack movement has four sensitivity settings.

Test Mode

Once the detector is mounted, you can place it in test mode. Separate test modes verify the gross attack or minor attack movement settings. During the testing time, the LED flashes twice each time a magnetic contact changes state or the external contact changes state.

Certifications and Approvals

Approvals

CE

Installation/Configuration Notes

Mounting Considerations

- The maximum range of the inertia transmitter, in open air, is approximately 300 m (984 ft). Keep this transmitter within 100 m (328 ft) of the receiver to which it is assigned.
- Mounting the inertia transmitter on metal surfaces might reduce its RF range. Mounting it on iron or steel surfaces might affect the operation of the internal magnetic contact.
- Mount the inertia transmitter on the door or window frame and mount the magnet assembly on the moving portion.

Compatibility Information

RF3227E RF Wireless Receiver (433.42 MHz)

The following battery types are recommended for correct operation of your transmitter: Duracell® DL123A, Energizer® EL123AP, Panasonic® CR123A.

Technical Specifications

RF3405E Wireless (RF) Inertia Transmitter

Enclosure Design

Dimensions (H x W x D)	Transmitter: 2.7 cm x 2.4 cm x 16.9 cm (1.1 in. x 0.9 in. x 6.7 in.) Magnet: 1.9 cm x 1.3 cm x 16.9 cm (0.75 in. x 0.5 in. x 2.4 in.)
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Environmental Considerations

Operating Temperature	-20C to +60C (-4°F to +151°F)
Relative Humidity	0% to 95% non-condensing

Power Requirements

Frequency Band	433.42 MHz
Maximum RF Power	Less than 10 mW
Operating Voltage	Supplied by a 3 VDC lithium battery
Battery Life	A minimum of three years under normal operating conditions with recommended battery types (two years if using the inertia sensor).

Supervisory Internal	13 min nominal
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Trademarks

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Duracell® is a registered trademark of the Gillette Company, USA, in the United States and/or other countries.

Energizer® is a registered trademark of Eveready Battery Company, Inc.

Ordering Information

RF3405E Wireless (RF) Inertia Transmitter RF3405E

Bosch Security Systems

For more information please visit
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