

FA209 Wireless Billtrap

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The FA209 Wireless Billtrap provides the best range and reliability available today with the same profile and ruggedness as a hardwire billtrap. It can be used in any financial or retail environment.

Functions

Communication Reliability

Using a bandwidth of at least 10 MHz in the 900 MHz range with a frequency hopping technique that sends redundant messages across that bandwidth reduces interference and provides a greater range for more reliable communication. The shorter wavelength at 900 MHz allows signals to pass through narrow openings in both commercial and residential environments. The higher transmission power allowed by the Federal Communications Commission (FCC) for 900 MHz spread spectrum systems results in a longer open-field range than traditional 300 MHz products.

False Alarm Reduction

The 56 bit communication protocol eliminates lost or incorrectly decoded signals due to radio interference.

Self-Testing

Once a minute the fully supervised transmitter sends signals to the receiver to test the system for low battery, tamper, and inactive status.

- ▶ Reliable communication through 900 MHz spread spectrum technology with frequency hopping
- ▶ False alarm reduction through 56 bit communication protocol and advanced signal processing
- ▶ Fully supervised with transmitter check-in once per minute
- ▶ Slim profile
- ▶ Instant or delayed alarm modes

Two Alarm Transmission Modes

Users can choose instant alarm or delayed alarm. The delayed alarm provides a ten-second delay that helps to reduce false alarms. For example, if a bill is inadvertently removed, the delay provides the necessary time to replace it.

Fully-supervised Radio Technology

The short wavelength 900 MHz, combined with redundant alarm messages on several channels, allows the billtrap to be fully supervised even inside a metal cash drawer. Users are alerted if the case is opened or if the batteries need replacing.

Certifications and approvals

Complies with: FCC Part 15

Installation/configuration notes

Compatibility Information

Receivers	All Inovonics™ receivers, including FA400, FA404R, FA416R, and FA422, when used with Bosch Control Panels.
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Technical specifications

Electrical

Average Life:	1 to 2 years (typical)
Power:	3 VDC, 0.5 Ah
Number of Batteries:	2
Type:	RENATA™ CR2450N, SANYO® CR2450

Mechanical

Color:	Gray
Dimensions:	15.5 cm x 6.6 cm x 1.3 cm (6.1 in. x 2.6 in. x 0.52 in.)
Weight:	116 g (4 oz)
Frequency:	902 MHz to 928 MHz
Modulation:	Spread spectrum through frequency hopping
Range (Open Field):	1.6 km (1 mile)

Environmental

Relative Humidity:	Up to 95% non-condensing
Temperature (Operating):	0°C to +60°C (+32°F to +140°F)

Trademarks

RENATA™ is a trademark of the RENATA SA Corporation, a subsidiary of the Swatch Group.

SANYO® is a registered trademark of SANYO North America Corporation.

Inovonics™ is a trademark of Inovonics Wireless.

Ordering information

FA209 Wireless Billtrap

Provides the range and reliability of hardwire billtraps.
Order number **FA209**

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