

RADION wireless Product Guide



RADION wireless provides the range, scalability and exceptional battery life to ensure reliable performance and **superior quality**

Advanced diagnostics and multiple device enrollment options make installation and maintenance simple and cost effective. With a complete line of peripherals, RADION provides the flexibility for virtually any application requirement.

A Bosch Exclusive

RADION receivers seamlessly integrate a wide range of transmitters into a wireless network with Bosch control panels. Using RADION with the latest generation of Bosch control panels allows for increased flexibility during installation and advanced capabilities for system maintenance and troubleshooting.

Ideal Solutions for Multiple Applications

RADION ensures superior range, reliability, and scalability for many commercial applications, including:

- **Banking:** Customers can use portable pendants for teller and manager panic transmission. Bill traps in the cash drawers will provide a simple, automatic report. Add a repeater to extend the range to locations where communication is difficult.
- **Commercial/Industrial:** Use of repeaters can cover large warehouses and factories without running wires. You can place the sensors and detectors where the customer needs them, not just where you can get a wire!
- **Retail:** RADION transmitters can protect portable displays and retail “islands” such as jewelry and make-up kiosks within the store. You can also provide bill traps and panic pendants for additional protection for personnel.
- **Residential:** Utilizing RADION wireless eliminates the need to run wires to difficult locations such as high ceilings and second floor hallways. the convenience of an arm/disarm keyfob simplifies operation. Bosch's pet friendly motion detectors allow pets to roam freely without sacrificing detection.

Superior Range and Reliability with 433 MHz Band

RADION operates within the 433 MHz band, allowing for higher transmission power and superior range compared to traditional 304 to 315 MHz systems. This frequency also offers superior penetration through building materials compared to 900 MHz systems, resulting in more reliable communications.

Easy Installation and Maintenance

When using the latest generation of Bosch control panels, multiple enrollment methods may be utilized to suit the installation requirements, including automatic wireless registration, RFID entry via any panel keypad, and remote RFID entry via RPS. This also facilitates service and upgrades, allowing replacement or addition of devices remotely without costly site visits.

Advanced diagnostic capabilities ensure system integrity. Signal strength and margin for any device are available on demand from a system keypad or remotely.



Keyfobs and Panic Buttons

Two-button and four-button keyfobs enable system arming and disarming with the option to program custom functions. Portable and fixed-position panic buttons feature one or two buttons to reduce false activations.



RFKF-TB-A	RFKF-FB-A	RFPB-SB-A	RFPB-TB-A
Wireless Keyfob, Two Button	Wireless Keyfob, Four Button	Portable Wireless Panic, Single Button	Portable Wireless Panic, Two Button

Universal Transmitters and Door/Window Contacts

Universal Transmitters and Inertia Detectors monitor doors, windows and other dry contacts. Door/Window Contacts are available in surface mount and recessed models.



RFUN-A	RFDW-SM-A	RFDW-RM-A
Universal Transmitter with Magnetic Reed Switch	Surface Mount Door/Window Contact with Reed Switch	Recessed Door/Window Contact

Motion Detectors

RADION includes PIR, TriTech, as well as a PIR Curtain motion detectors, that incorporate industry-leading Bosch motion detector technology for superior catch performance and reduced false alarms.



RFPR-12-A	RFPR-C12-A	RFDL-11-A
RADION PIR with Pet Immunity up to 30lbs (13kg)	RADION PIR Curtain Pet Immunity up to 30lbs (13kg)	RADION TriTech with Pet Immunity up to 100 lbs (45kg)

Specialty Transmitters

These transmitters can support special applications, including smoke and glass break detection, as well as high-security retail or banking applications.



RFBT-A	RFGB-A	RFSM-A
Bill Trap Transmitter	Glass Break Detector Transmitter	Smoke Detector transmitter

Receivers and Repeaters

Receivers seamlessly integrate RADION platform transmitters into a wireless network with Bosch control panels, providing individual point annunciation with trouble conditions for each transmitter, and support supervision of 504 wireless points, 1000 keyfobs, and 8 repeaters. The line-powered Repeater acts as a range expander, allowing the installation to scale from smaller residential sites to commercial buildings. The on-board, state-of-the-art lithium polymer back-up battery provides extended uninterrupted operation.



B810	RFRP-A
RADION receiver SD	Wireless Repeater