



Motion Detectors – Made by Bosch

Quality You Can Trust

Rely on Bosch for superior intrusion detection for your commercial and residential applications.



BOSCH

Invented for life

A global leader in intrusion detector expertise

For more than a century the Bosch name has been synonymous with excellent quality and continual innovation. The companies of the Bosch Group constantly strive for the best possible solutions: high-tech, innovative, high-performance, good-looking and ergonomic products that meet evolving needs.

Bosch Security Systems is recognised throughout the security industry as a global leader in intrusion detector expertise. It has earned this reputation by consistently providing products that meet customers' needs, focusing on **reliability, durability** and **ease of installation**.

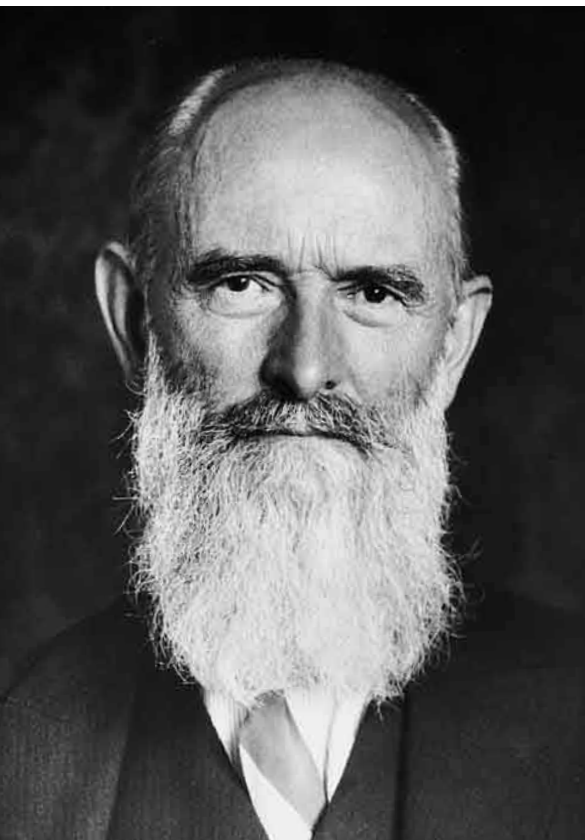
Quality You Can Trust

People who buy Bosch products rightly expect quality. Wherever Bosch manufactures - whether it is in Europe, Asia or America - it simply won't permit any deviations from its high standards. The motto: Quality means keeping promises". And Bosch doesn't make empty promises.

Intrusion Systems by Bosch

Whether you're securing a home, retail store or other commercial business, you need dependability from your systems. With decades of experience and a dedication to high-quality and high-performing products, Bosch detectors are the best in any class. Millions of residential and commercial users rely on Bosch for superior intrusion detection.

For over 80 years (since being founded as Hanseatische Notruf AG), Bosch has defined the market with innovative, high-quality intrusion alarm products for all kinds of applications. Over the past four decades, Bosch has been awarded over 30 patents in this field. Many of their spin-offs – including Pet Immunity, Multi-Frequency Acoustic Glass Break Detection and Microwave Noise Override – have become industry standards.



“It has always been an unbearable thought to me that someone could inspect one of my products and find it inferior in any way. For that reason I have constantly tried to produce products which withstand the closest scrutiny – products which prove themselves superior in every respect ...”

Robert Bosch 1918

Bosch detectors:

Designed to exceed the standard requirements

For several years, the global market has benefited from the European EN 50131 guidelines for electronic intrusion detection systems. The EN standards describe both intrusion security requirements and tests to ensure that products will work reliably under demanding environmental conditions.

Going beyond the EN50131 standards, Bosch detectors fulfill the requirements of standards all over the world: including A-tick, UL639 and many more.

In the state-of-the-art Bosch laboratory we verify that our detectors pass the most stringent tests of each standard. Bosch also designs its own, even more demanding, tests to ensure the detectors are virtually immune to environmental disturbances. As a result, false alarm protection and catch performance exceed the requirements of any single country, ensuring that worldwide, with Bosch detectors, there is no hiding place for intruders.



History of Bosch Sensor Developments

1969	First solid-state modulated LED beam detector	2002	Introduce OD850 outdoor dual with quadrature microwave LTD processing
1971	First long-range beam detector	2004	The industry's first multi-module detector
1972	First use of retro-reflector technology in a detector	2004	MTBF (Mean Time Between Failures) and install time design improvements
1973	First use of digital filtering in ultrasonic motion detectors	2005	Blue Line Series launch
1974	First large-area-coverage ultrasonic system	2006	Tri Focus Optics
1978	Body heat motion sensing (PIR)	2006	Active white light processing without degradation of PIR signal
1985	Flip-mirrored optics	2006	Sensor data fusion at detector level
1987	First reliable dual-technology detector (microwave/PIR)	2008	Professional Series with EN 50131 grade 3 Anti-mask technology
1989	New industry standard request-to-exit sensor	2010	Professional Series with Trittech and Trittech Anti-mask detector models SCEC approved at the Security Level 2 (Intruder Resistant Area equivalent)
1990	Reliable pet discrimination		
2001	Industry's highest mounting ceiling-mount detector		

Professional Series

Intelligent motion detection with unmatched versatility

While other motion detectors merely react to input from one or two sensors with a simple yes or no decision, Bosch Professional Series Detectors actually integrate and process data from up to 5 different sensors to make intelligent alarm decisions. This exclusive Sensor Data Fusion technology uses a sophisticated microcontroller within the detector to constantly adjust and balance the sensitivities of each sensor, resulting in the most accurate alarm decisions ever.



DOPPLER
MICROWAVE
DATA



LIGHT DATA



ROOM
TEMPERATURE
DATA

Award winning Bosch Professional Series Detectors: versatile, easy-to-install units that virtually eliminate false alarms, while improving catch performance. They're the smartest detectors in the world.

The unique design of these Bosch detectors slashes installation time by up to 25 percent and reduces the risk of mistakes. The unique, ergonomic two-piece housing takes only seconds to mount: simply slide together and it automatically locks in place. A sealed optical chamber keeps out insects and debris while protecting the electronics from being accidentally damaged by screwdrivers, wires, etc. during installation. A built-in bubble level permits accurate horizontal and vertical

alignment without the need for any extra tools, and a custom-designed plug-in terminal block with angled wire inlets increases convenience and reliability.



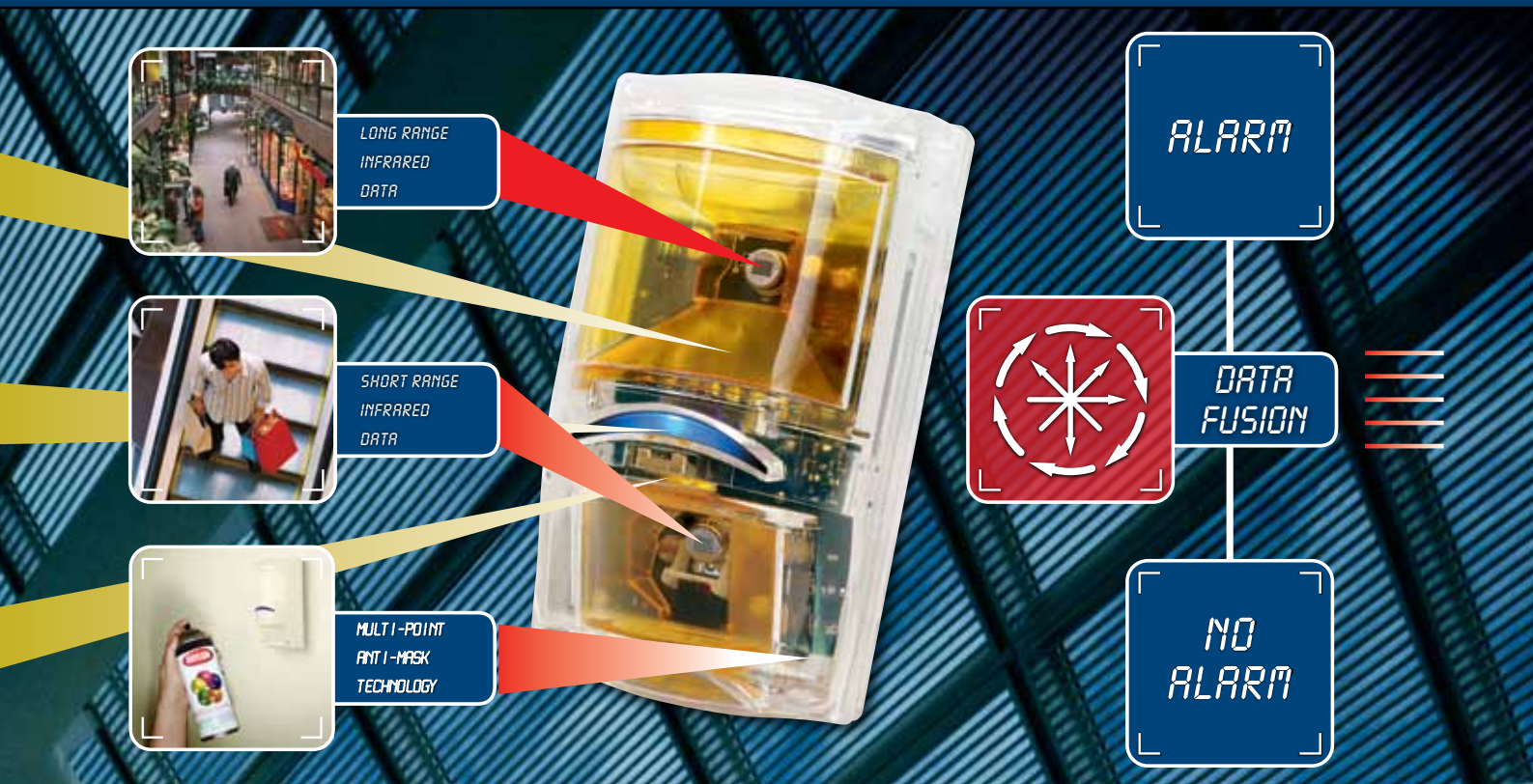
Typical Applications:

- Commercial premises
- Large retail stores/chains
- Warehouses
- Hospitals
- Long corridors
- Open plan offices
- Banks



Revolutionary Sensor Data Fusion Technology

creates a breakthrough in intelligent alarm decisions.



Unparalleled Bosch technologies

improve catch performance and reduce false alarms

	Traditional Motion Detectors	Bosch Innovation	Benefit of proprietary Bosch Technology
Alarm Decisions	Have only 1 or 2 internal sensors; signals are processed independently and are less accurate.	Sensor Data Fusion	Only Bosch balances and adjusts sensitivities of up to 5 internal sensors and fuses the data to make the world's most intelligent alarm decisions. This results in a 35% improvement in catch performance, while virtually eliminating false alarms.
False Alarm Immunity	Use filters and films to degrade the same light signals used for alarm decisions, reducing catch performance.	Active White Light Suppression	Only Bosch eliminates false alarms due to white light such as car headlights. By incorporating a white light sensor we are able to exclude such traditional false alarm sources.
Application Range	Have only 1 or 2 lenses or mirrors and use long-range sensors for short-range detection, making them prone to false alarms.	Tri-Focus Optics	Only Bosch uses three separate sets of optics and two dedicated detectors for long, mid and short range coverage. This means that intruders stand out more clearly from the background and are more easily and accurately caught. Only Bosch has a simple dipswitch that allows installers to adjust PIR coverage range from 15m to 8m (50 to 25 ft), making each detector extremely versatile to reduce inventory.
Small Animal Immunity	Do not measure distance to target; unable to distinguish between a small target up close and a larger target at a distance, leading to false alarms.	Tri-Focus Optics	Only Bosch measures range to target and can distinguish from a fly at 30cm (1 ft) and a person at 15m (50 ft), reducing false alarms from small animals and insects.
Consistent Coverage	Require lens and mirror adjustment when detector height is changed, leaving room for human error and inconsistent coverage.	Tri-Focus Optics	Only Bosch provides consistent coverage across entire coverage area, even when height is changed. No lens adjustment required.
Antimask	Use simple active infrared antimask technologies.	Multi-point Antimask Technology	Only Bosch employs multi-point antimask technology with integrated spray detection that utilises patented prism lenses and active infrared detection to provide industry-leading resistance to all known forms of attack. This technology complies with all of the latest international regulatory standards.

Blue Line Gen 2

Discreet security, reliable performance

Blue Line Gen 2 Motion Detectors provide a series that delivers easy installation, excellent catch performance and false alarm immunity. Blue Line Gen 2 detectors are compact, neutral in colour and they blend right into their environment.

Excellent catch performance

Wall to wall coverage

Blue Line Gen 2 Detectors deliver a broad 12x12 metre (40x40 ft) wall-to-wall coverage area and offer advanced First Step Processing that intelligently analyses motion for an almost instant response to human targets without false alarms. The detectors automatically adjust to their environment by compensating for temperature fluctuations, so you're guaranteed optimal performance regardless of changes in room conditions.



Easy installation

Minimise time on the ladder

All detectors are the same size so multi-type applications are unnoticeable, and they all have the same base, making upgrading or replacing detectors simple as there is no re-wiring required. In addition, pet-friendly models can be set to "No Pet" to allow customers to use the same product in multiple applications, reducing inventory for installers.

A bottom self-locking two piece enclosure, integrated bubble level, and removable terminal strip reduces mounting time to mere seconds. The commercial grade terminal strip is designed to prevent incorrect wiring and eliminate future service calls. The optics and electronics are assembled into the front enclosure and sealed with protective cover to prevent damage during installation. The flexible mounting height allows you to position the detectors at 2.3 to 2.7 metres (7 to 9 ft) without adjustment and provides no-gap coverage up to 12 metres (40 ft) away. **There is simply no easier way to install a detector!**



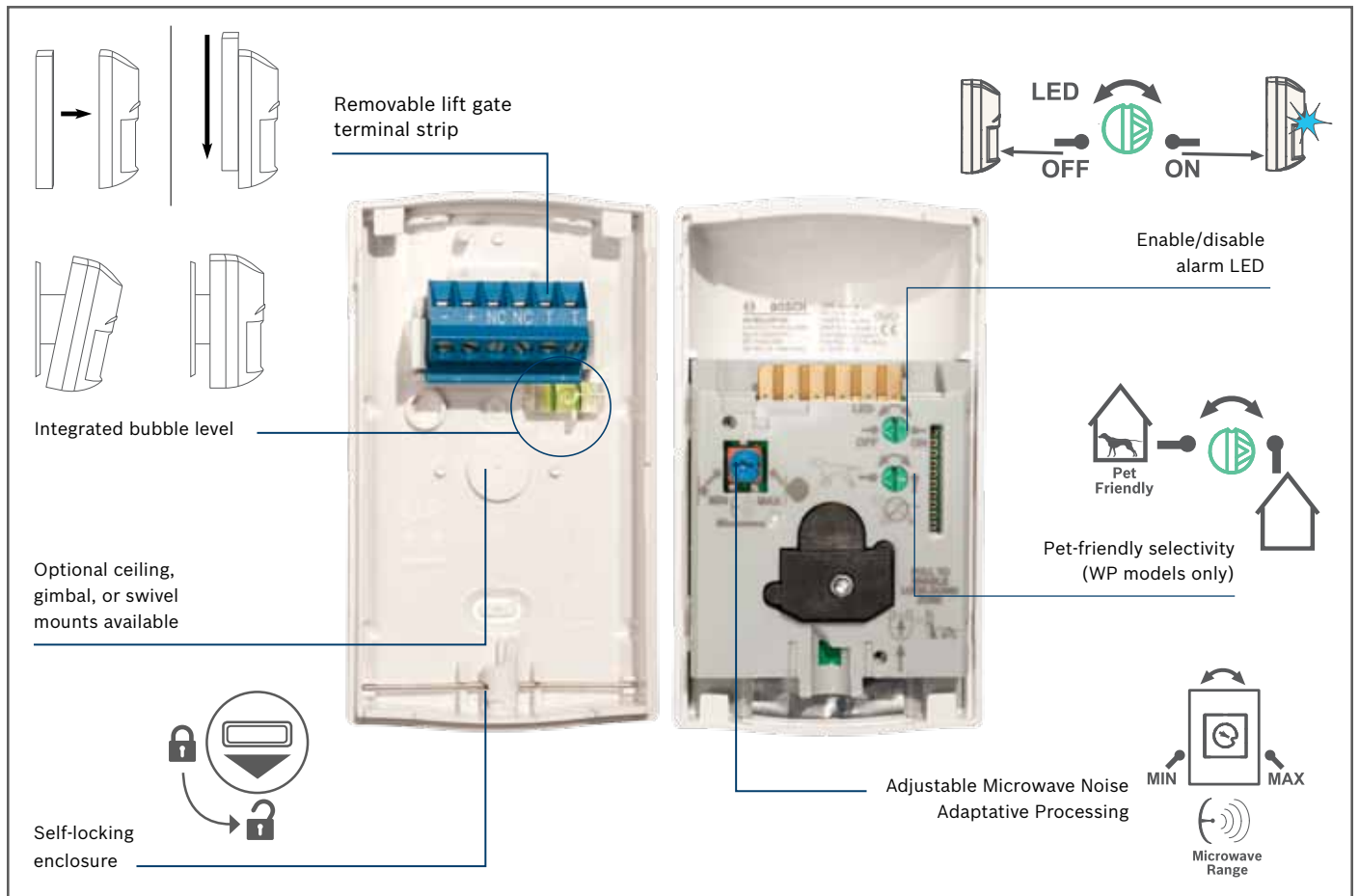
No more false alarms

Improved performance and reliability

Blue Line Gen 2 Detectors feature Microwave Noise Adaptive Processing to easily differentiate humans from false alarm sources, such as a ceiling fan or hanging-sign. For increased reliability, dual sensors process PIR and microwave signals independently and must agree there is an alarm before the relay activates. The sealed optical chamber also prevents drafts and insects from affecting the detector, and our pet-friendly models rule out motion from family pets or guard dogs, so you only handle valid alarms.

Selectable Pet Immunity

Only Bosch's exclusive technology allows the installer to turn pet immunity on or off to suit the application requirements. When activated, pet-friendly models minimize nuisance alarms from cats, guard dogs or other small animals. Use the same model for multiple application to reduce your inventory - just select Pet or No Pet!



Typical Applications:

- Homes
- Retail stores/boutiques
- Small business



Ceiling Mount Detectors

Providing up to 360° intrusion detection

Placing a detector on the ceiling as opposed to a wall greatly reduces the likelihood that it will be tampered with or vandalised. It also raises the detector out of the line of sight. Models with low profile designs provide a recessed mount look even when surfaced mounted.

Whether the ceiling is 2 metres or 8 metres, Bosch ceiling mount detectors accommodate a wide variety of applications. We offer detectors that provide up to 360° intrusion detection and can be easily mounted at any height up to 8 metres. By simply adjusting the detection pattern, you can achieve customised coverage, providing up to a 21 metre diameter coverage area.

TriTech Superiority

The revolutionary TriTech technology, designed to be used in extreme environments, won't be fooled. As a body moves within the coverage area, changes in the received microwave energy are detected, allowing the detector to distinguish between people and false alarm signals.

Accurate Performance Made Easy

Once installed, achieving optimum performance is simple. An innovative light pipe system channels the light from the high efficiency LED, making the LED visible throughout the entire coverage area and allowing you to more accurately determine the detector coverage pattern without complicated testing procedures.



Installers Choice

Besides offering great benefits for property and business owners, our ceiling mount detectors feature an innovative hinged base / cover design. Simply mount the detector base and the open detector stays in place for easy wiring. This convenient feature - like an extra pair of hands - is perfect for one person installing the detector from on top of a ladder, making it easier to connect wires. DIP switch selectable features provide further ease of customisation.

Typical Applications:

- Manufacturing facilities
- Warehouses
- Retail stores
- Residential
- Schools
- Banks
- Offices



RADION Wireless

When wiring is not an option

RADION wireless devices are your choice when running a wire is not possible or cost effective. 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.

Idea 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.

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 jewellery and make-up kiosks within the store. You can also provide bill traps and panic pendants for additional protection for personnel.

Residential: Utilising 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 key fob simplifies operation. Bosch's pet friendly motion detectors allow pets to roam freely without sacrificing detection.



Easy Installation and Maintenance

When using the latest generation of Bosch control panels, multiple enrolment methods may be utilised 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.

Typical Applications:

- Retail stores
- Schools
- Manufacturing facilities
- Warehouses/factories
- Residential (2 storey)
- Heritage listed properties
- Concrete structures



Product Selector

Solutions for all requirements

Intelligent intrusion detection is a delicate balance between responding to real security breaches and ignoring costly false alarm triggers. Bosch offers a choice of detector models that set the standard for reliability and rapid detection. Our intrusion detectors suit the requirements of virtually any application - from easy to difficult environments - and stand up to multiple challenges, including strong drafts, moving objects, and the presence of pets.

Motion Detectors

Our range includes PIR, TriTech, Anti-masking as well as pet-friendly, PIR Curtain, wireless & outdoor motion detector options that incorporate industry-leading Bosch motion detector technology for superior catch performance and reduced false alarms.



ISC-PPR1-W16
F.01U.027.096
Professional Series
PIR 16 x 21 m



ISC-PDL1-W18G
F.01U.025.758
Professional Series
TriTech 18 x 25 m



ISC-PPR1-WA16G
F.01U.066.883
Professional Series PIR
Anti-Mask 16 x 21 m



ISC-PDL1-WA18G
F.01U.063.741
Professional Series Tri-Tech
Anti-Mask 18 x 25 m



ISC-PDL1-WC30G
F.01U.166.049
Professional Series
TriTech Anti-Mask
18 x 25 m



OD850-F1
4.998.155.081
Outdoor TriTech
(10525Ghz)
15 m x 15 m



ISC-BPR2-W12
F.01U.134.140
Blue Line Gen2
PIR 12 m



ISC-BPR2-WP12
F.01U.134.143
Blue Line Gen2 Pet
Friendly PIR 12 m



ISC-BPQ2-W12
F.01U.134.144
Blue Line Gen2
Quad 12 m



ISC-BDL2-W12G
F.01U.134.133
Blue Line Gen2
TriTech 12 m



ISC-BDL2-WP12G
F.01U.123.717
Blue Line Gen2 Pet
Friendly TriTech, 12 m



RFPR-12*
F.01U.253.615
RADION Wireless PIR



RFPR-C12*
F.01U.256.387
RADION Wireless
PIR Curtain



RFDL-11*
F.01U.253.614
RADION Wireless
PIR TriTech

*Receiver required

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 activation.



RFKF-TB* 2 Button Keyfob
F.01U.260.847
RFKF-FB* 4 Button Keyfob
F.01U.253.609



RFPB-SB* Single Button Panic Transmitter
F.01U.253.618
RFPB-TB* 2 Button Panic Transmitter
F.01U.253.613

Wireless Universal Transmitters and Door/Window Contacts

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



RFUN*
F.01U.253.619
 RADION Wireless
 Universal Transmitter



RFDW-SM*
F.01U.253.611
 RADION Wireless
 Surface Door/Window Reed



RFDW-RM*
F.01U.253.612
 RADION Wireless
 Recessed Door/Window Reed

Ceiling Mount Detectors

Providing up to 360° detection coverage up to a 21 m diameter and 8 m mounting height



DS938Z
4.998.800.710
 Panoramic PIR
 Detector



DS939
4.998.800.703
 Panoramic PIR
 Detector



DS936
4.998.800.224
 Low Profile
 Panoramic PIR
 Detector



DS9360
4.998.800.002
 Panoramic TriTech
 Detector



DS9370
4.998.800.234
 Panoramic TriTech
 Detector

Specialty Transmitters

These transmitters can support special applications including smoke, glass break & request-to-exit detection.



RFSM
F.01U.253.607
 RADION Photoelectric
 Smoke Detector



RFGB
F.01U.253.606
 RADION Wireless
 Glassbreak Detector



RFBT
F.01U.253.620
 RADION Bill Trap



DS1101i
4.998.800.266
 Glassbreak Detector



DS150i
4.998.800.236
 Request-to-Exit Sensor



DS160i
4.998.800.238
 Request-to-Exit
 Sensor High Security

*Receiver required

A Tradition of Quality and Innovation

For over 125 years, the Bosch name has stood for quality and reliability. Bosch is the global supplier of choice for innovative technology, backed by the highest standards for service and support.

Bosch Security Systems proudly offers a wide range of security, safety, communications and sound solutions that are relied upon every day in applications around the world, from government facilities and public venues to businesses, schools and homes. When you need solutions you can rely on, choose Bosch.



Bosch Security Systems Pty Ltd

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