




# Quick Selection Guide

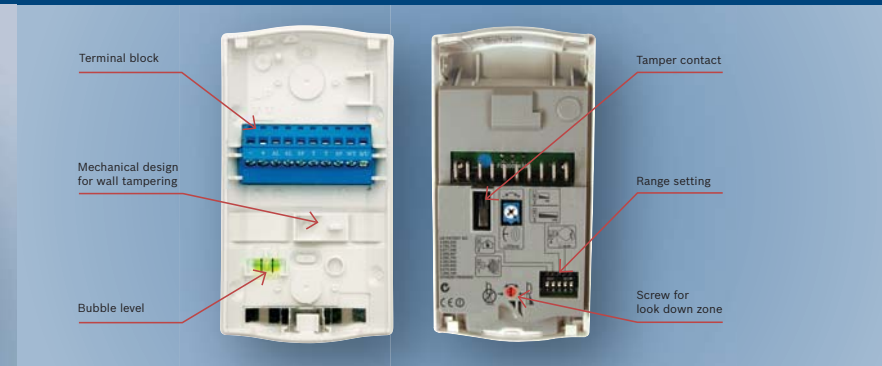
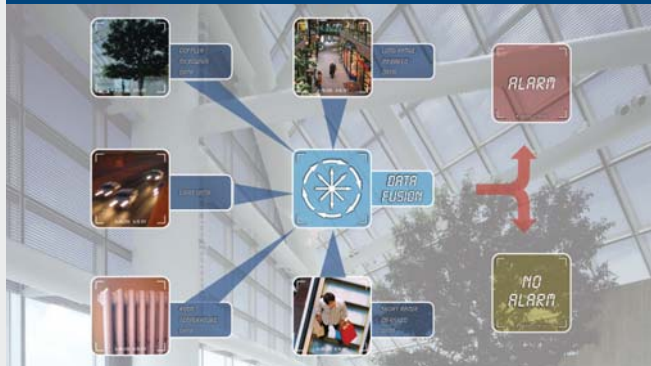
## Motion detectors – Positioning

<b>Passive-infrared detector ISN Series</b> 	<b>Blue Line</b> 	<b>Professional Series</b> 
<ul style="list-style-type: none"> <li>• Small to medium risks, EN 50131 grade 1 and 2</li> </ul>	<ul style="list-style-type: none"> <li>• Medium risks, EN 50131 grade 2</li> </ul>	<ul style="list-style-type: none"> <li>• Medium to high risks, EN 50131 grade 2 and 3</li> </ul>
<ul style="list-style-type: none"> <li>• Small rooms 7.5 x 7.5m (no look down zone)</li> </ul>	<ul style="list-style-type: none"> <li>• Mid sized rooms up to 11 x 11m</li> </ul>	<ul style="list-style-type: none"> <li>• Larger areas can be covered up to 18 x 25m</li> </ul>
<ul style="list-style-type: none"> <li>• In applications with no small animals and pets</li> </ul>	<ul style="list-style-type: none"> <li>• Small animal immune versions available</li> </ul>	<ul style="list-style-type: none"> <li>• Tolerant to small animals</li> </ul>
<ul style="list-style-type: none"> <li>• Only for easy environments (PIR version only)</li> </ul>	<ul style="list-style-type: none"> <li>• From easy to difficult environments (Quad/Dual)</li> </ul>	<ul style="list-style-type: none"> <li>• For difficult and very difficult environments</li> </ul>
<ul style="list-style-type: none"> <li>• Bosch quality and reliability in an entry level motion detector. Designed for low risk applications in easy environments (minimal false alarm sources). The detectors compact design is the ideal choice for private applications. To protect small areas up to 7.5 x 7.5m where crawling below the detector is not possible.</li> </ul>	<ul style="list-style-type: none"> <li>• The standard Bosch motion detector is available in a variety of models for any applications, from easy to difficult environments including the presence of pets. For medium risk applications the look down zone may be activated, which makes it difficult to cheat the motion detector by crawling below the sensor. The PCB enclosure cover protects the unit from ESD or physical damage during installation. For small to medium rooms up to 11 x 11m.</li> </ul>	<ul style="list-style-type: none"> <li>• The series for professionals who do not want to make any compromise regarding security, catch performance and false alarm immunity. Highest catch performance according to EN50131 grade 3 and industry leading anti-mask technology for high risk installations where highly skilled intruders are possible. The PCB enclosure cover protects the unit from ESD or physical damage during installation. Able to protect larger areas up to 18 x 25m.</li> </ul>

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## Motion detectors – Cutting edge technology

Bosch offers an extensive range of high-quality motion detectors equipped with cutting edge technology. Bosch has a reputation for high security, excellent catch performance, superior false alarm immunity, and easy installation. In order to achieve this, we have incorporated a number of unique technologies:



- **Sensor Data Fusion sets the industry standard for catch performance and false alarm immunity:** Data from up to six sensing systems is simultaneously analyzed by a proprietary digital signal processing algorithm embedded in a high-performance microcontroller. Alarm decisions are based upon a complex algorithm, which adjusts alarm thresholds based upon input from each sensor. This technology improves catch performance by 35 percent and takes false alarm immunity and responsiveness to a whole new level.












- **Multipoint Anti-mask with Integrated Spray Detection certified by an accredited lab to EN50131 Grade 3:** Conforms with regulatory requirements for protection against sabotage attempts as well as accidental masking of the detector. Integrates four active IR emitters and three dedicated IR sensing elements. Three detection techniques provide performance superior to all other available detectors. Performance that has been validated through an laboratory accredited for EN50131 certification.

- **Advanced design features for ease of installation:** The unique design of Bosch detectors provides many benefits for installers that decrease installation time by up to 25 per cent and reduce the risk of installation errors. There is no adjustment needed in the specified mounting height. The unique two-piece ergonomic housing simply slides into place and automatically locks, requiring only seconds to mount. The sealed optical chamber prevents insects and debris from entering and also protects electronics from accidental damage from screwdrivers, wires, etc. during installation. A built-in bubble level allows accurate horizontal and vertical alignment without extra tools\*. The custom-designed plug-in terminal block with angled wire entries eliminates incorrect insertions, thus providing convenience and increased connection reliability\*. Electronics are protected by a plastic cover and are located within the front cover to eliminate accidental damage during installation of the mounting base.

\* Professional Series detector range

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## Wall mount detectors, ISN Series, Blue Line and Professional Series

											
	ISN-AP1	ISN-AP1-T	ISM-BLP1	ISM-BLP1-P	ISM-BLQ1	ISM-BLD1	ISM-BLD1-P	ISC-PPR1-W16	ISC-PDL1-W18	ISC-PPR1-WA16	ISC-PDL1-WA18
Type of Motion Detector	PIR	PIR	PIR	PIR	Quad PIR	Tritech (PIR plus MW)	Tritech (PIR plus MW)	PIR	Tritech (PIR plus MW)	PIR	Tritech (PIR plus MW)
EN50131-2-2/4	grade 1	grade 2	grade 2	grade 2	grade 2	grade 2	grade 2	grade 2	grade 2	grade 3	grade 3
Pet immunity	No	No	No	14kg	No	No	45kg	4.5kg	4.5kg	4.5kg	4.5kg
Coverage / Range	7.5m x 7.5m	7.5m x 7.5m	11m x 11m	11m x 11m	11m x 11m	11m x 11m	11m x 11m	16m x 21m	18m x 25m	16m x 21m	18m x 25m
False alarm immunity	++	++	+++	++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
Catch performance	+++	+++	++++	+++	++++	++++	+++	+++++	+++++	+++++	+++++
Mounting height (No adjustment needed)	2.0 to 2.4m or 2.4 to 2.8m adjustments needed	2.0 to 2.4m or 2.4 to 2.8m adjustments needed	2.3 to 2.7m	2.3 to 2.7m	2.3 to 2.7m	2.3 to 2.7m	2.3 to 2.7m	2.1 to 3m	2.1 to 3m	2.1 to 3m	2.1 to 3m
Look down zone	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Application	<ul style="list-style-type: none"> <li>For use in standard environments and small risks</li> </ul>	<ul style="list-style-type: none"> <li>For use in standard environments and small to medium risks</li> </ul>	<ul style="list-style-type: none"> <li>For use in standard environments. For medium risks</li> </ul>	<ul style="list-style-type: none"> <li>For use in standard environments where pets or other small animals are present. For medium risks</li> </ul>	<ul style="list-style-type: none"> <li>For use in difficult* environments. For medium risks</li> </ul>	<ul style="list-style-type: none"> <li>For use in difficult* environments. For medium risks</li> </ul>	<ul style="list-style-type: none"> <li>For use in difficult* environments where pets or other small animals are present. For medium risks</li> </ul>	<ul style="list-style-type: none"> <li>For use in standard environments and medium to high risk applications</li> </ul>	<ul style="list-style-type: none"> <li>For use in difficult* environments and medium to high risk applications</li> </ul>	<ul style="list-style-type: none"> <li>For use in standard environments and high risk applications</li> </ul>	<ul style="list-style-type: none"> <li>For use in difficult* environments and high risk applications</li> </ul>

\* Difficult environments are those which include potential false alarm sources, such as:

- The detector is in the same room as an air conditioning vent.
- Strong drafts of cold or warm air in the room.
- A fan that could be running when the system is activated.

- The detector could be exposed to bright white light (car headlights, floodlights, direct sunlight etc.)
- The room contain slow moving objects such as curtains, plants.
- Slow moving objects such as signs/displays hang from the ceiling in the room.
- The room has underfloor heating.
- Room temperatures exceed 30 degrees Celsius.

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## Ceiling-mount detectors and Accessories



	DS936	DS938Z	DS9360	DS939	DS9370	ISM-BLA1-SM	ISM-BLA1-LM	ISM-BLA1-CC	Mounting brackets
<b>Type of Motion Detector</b>	PIR	PIR	Tritech (PIR plus MW)	PIR	Tritech (PIR plus MW)	Accessories Internal sounder	Accessories Night light module	Accessories Camera module	• Swiveling B338 low-profile mount
<b>EN50131-2-2/4</b>	grade 2	grade 2	grade 2	grade 2	grade 2	<ul style="list-style-type: none"> <li>• For Blue Line Series</li> <li>• 85 dB at 1meter</li> </ul>	<ul style="list-style-type: none"> <li>• For Blue Line Series</li> <li>• Integrated timer can be set for 30 seconds or 4 minutes</li> </ul>	<ul style="list-style-type: none"> <li>• Available for Blue Line Series in PAL and NTSC technology</li> </ul>	• Swiveling B335-3 low-profile mount
<b>Coverage / Range</b>	7.5m and 360°	18m and 360°	18m and 360°	21m and 360°	21m and 360°				• B800 Ceiling-mount Bracket
<b>False alarm immunity</b>	+++	+++	++++	+++++	+++++				
<b>Catch performance</b>	+++	+++	++++	+++++	+++++				
<b>Mounting height (No adjustment needed)</b>	2 to 3.6m	2.5 to 6m	2.5 to 6m	2.4 to 7.6m	2.4 to 7.6m				
<b>Application</b>	<ul style="list-style-type: none"> <li>• For environments where wallmounted detectors are not possible</li> <li>• For use in standard environments. For small to medium risks</li> </ul>					<ul style="list-style-type: none"> <li>• The easiest and quickest way to wire and mount an internal sounder in an attractive design</li> </ul>	<ul style="list-style-type: none"> <li>• Easy to install, offers added value especially for private homes by allowing automatic activation of a night light at the convenience of the end-user</li> </ul>	<ul style="list-style-type: none"> <li>• The simplest way to install an alarm verification camera exactly where it needs to be installed in an attractive design</li> </ul>	<ul style="list-style-type: none"> <li>• Bosch offers a range of mounting brackets for wall and ceiling mounting for the ISN, Blue Line and Professional Series detector range</li> </ul>

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- The detector could be exposed to bright white light (car headlights, floodlights, direct sunlight etc.)
- The room contain slow moving objects such as curtains, plants.
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