How to protect the assets in your restaurant

Security – Intrusion Detection

BOSCH
Invented for life

Your restaurant is open to guests so that they feel welcome, at home. However, you don't want someone walking in and stealing your assets. Let's take a look at how you can create the right balance between hospitality and asset protection:

Secure assets outside working hours

It's important to prevent theft from non-public areas such as kitchens, service rooms, storage rooms, technical rooms, and management offices, especially outside working hours. Because during working hours, staff will be there and will pay attention, but outside working hours the Bosch intrusion alarm system can arm these areas to prevent theft. Our system detects when someone enters an armed area and triggers an alarm.

Stop intruders in their tracks

A burglar needs time to get into your restaurant, search for valuables, and get out again. The sooner the burglar is detected by the alarm the less time that person will have to gather valuables and/or damage your restaurant.

Benefit from ease of use

Certain staff members must be trained to operate the system, and to arm and disarm the intrusion detection system. Our AMAX intrusion control panels offer clear, structured, and intuitive menus. When the alarm is tripped, the system informs an alarm monitoring center and sends a simultaneous voice message to your landline or mobile phone.

Reduce energy consumption

Freezers and other cooling equipment consume a lot of energy... and money. Assure yourself that the cooling equipment is properly sealed before you close the restaurant for the night; put a magnetic contact on the freezer door and attach it to the intrusion detection system. A simple and economical solution.

Bosch Security Systems has the answer.

Example of a protected restaurant with intrusion detection

The above schematic gives an example of how to increase security within your restaurant:

1 The intrusion alarm panel, the heart of the system, is installed in a technical room.

2 The keypad is installed at the reception desk to enable staff to receive all intrusion messages, to control the entire system, and to take action if required.

3 Our motion detectors (wired or wireless) are installed at areas such as kitchens, service rooms, storage rooms, technical rooms, and the management office.

4 Magnetic contacts (wired or wireless) are added to sensitive windows and doors, e.g. which are accessible from the outside and/or which have to be secured during operational hours.

5 Bill traps in the cash register trigger a silent alarm to request help, in the event a waiter is being told to empty the till.

6 A panic button under the reception desk provides additional security for restaurant staff.

7 An indoor sounder indicates when someone has opened one of the armed doors or windows.

8 Our intrusion alarm panel sends a message to an alarm monitoring center for help when the alarm is triggered, while, at the same time, a voice message is sent to your mobile phone.

Installers information

Bosch Intrusion alarm systems consist of a panel and peripherals, such as detectors, which are connected optionally to an external monitoring center.

Versatile alarm panel
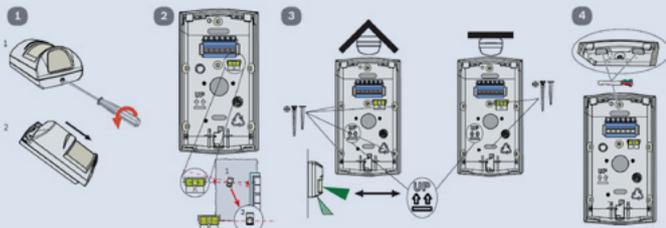Our intrusion alarm system, the AMAX panel 3000, offers protection of 32 zones and 8 areas, and comes with an enclosure and a transformer. An on-board PSTN dialer transmits the alarm via the network to your phone and/or an alarm monitoring center. Commissioning the system is simple and involves minimum programming: the default settings already cover 90% of the available functionality. Programming can either be done via the AMAX TEXT, LCD, or LED keypads or via the programming software (A-Link Plus).

Reliable alarm transmission

Our intrusion alarm system can be connected to an alarm monitoring center via telephone (PSTN), thanks to the alarm panel's on-board voice dialer. The system can also be connected via IP wired internet by adding the B426 IP communicator, or wireless GPRS by adding the B442 or B443 IP alarm communicator.

Installation-friendly detectors

Get the installation job done faster with a self-locking, two-piece enclosure (1), integrated biaxial bubble level (2), and removable terminal strip (4). These cleverly-designed components reduce installation time. Additionally, the terminal strip is designed to prevent incorrect wiring and eliminates future service calls.

Ease of installation of Bosch motion detectors

The optics and electronics are assembled into the front enclosure and sealed with a protective cover, preventing damage during installation. The flexible mounting height allows you to position the detectors at 2.3 to 2.7 meters above floor level, without any adjustment.

Reliable detectors

The security industry recognizes Bosch Security Systems as a global leader in intrusion detector expertise. For example, our Blue Line PIR Motion Detectors (ISC-BPR2) use two Fresnel lenses that are designed to produce sharply-focused images throughout the field of view, providing superior response to intrusions. These lenses provide a high density (77 zone), 7 layer pattern, and the selectable lookdown lens provides three additional lookdown zones. All of which can give state-of-the-art detection with easy installation and flexible mounting options.
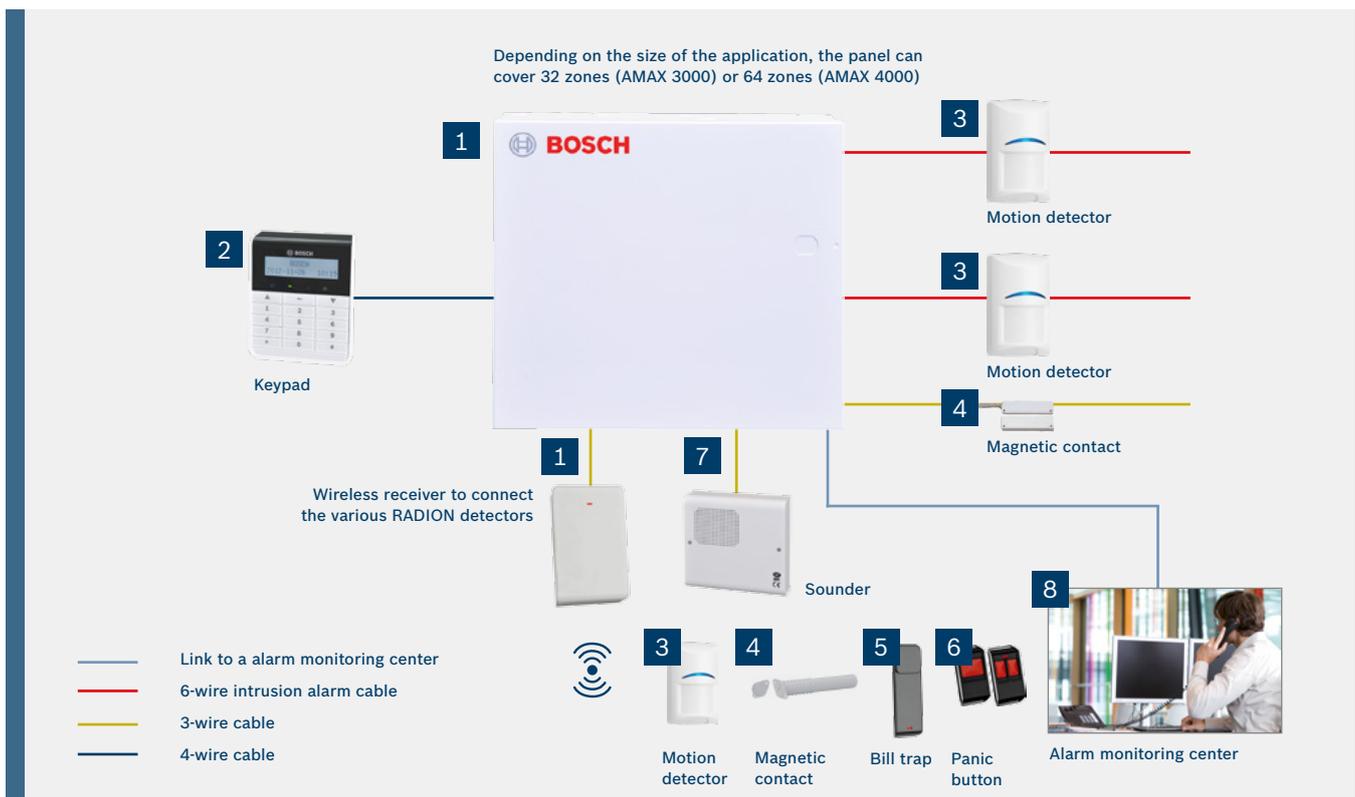
No cables required

Choose our RADION receivers and detectors for even more flexibility and speed during installation. These wireless devices can be placed exactly where they are needed, not just where you can get a wire.

Quality to meet the highest requirements

Our intrusion system is certified in accordance with EN 50131-3 Grade 2.

Example of an intrusion system

Depending on the size of the application, the panel can cover 32 zones (AMAX 3000) or 64 zones (AMAX 4000)

1 BOSCH

2 Keypad

3 Motion detector

3 Motion detector

4 Magnetic contact

1 Wireless receiver to connect the various RADION detectors

7 Sounder

8 Alarm monitoring center

3 Motion detector

4 Magnetic contact

5 Bill trap

6 Panic button

Link to a alarm monitoring center
6-wire intrusion alarm cable
3-wire cable
4-wire cable

Products used in this example

Image	Product name	Ordering code	Corresponds with number in drawing on page 2 and 3.	Description
	Intrusion alarm panel	ICP-AMAX3-P1 ICP-AMAX3-P2-EN ICP-AMAX3-P3-EN	1	32 Hardwired zones / 8 areas / 64 user codes 3 x 256 events log stamped with date and time On-board voice dialer
	Keypad	IUI-AMAX4-TEXT	2	Simple icons for system condition Quick menu programming Zone input, on board
	Wired motion detector Blue line Gen2	ISC-BPR2-W12	3	Dynamic temperature compensation Flexible mounting height, no adjustments Self-locking enclosure with integrated bubble level
	RADION Wireless motion detector	RFPR-12	3	Flexible mounting height Operational up to 5 years with one user replaceable CR123A battery Supervised for low-battery, cover-tamper and removal tamper
	Wired magnetic contact	ISN-CSD70-W	4+5	Sensitive non-stick rhodium reed Two solder points on the wire
	RADION Wireless magnetic contact	RFDW-RM	4+5	Self-contained transmitter with magnetic reed switch contact Operational up to 5 years using a single user replaceable AAA Lithium battery Supervised for low-battery and cover-tamper conditions
	RADION Wireless bill trap	RFBT	6	Detects removal of a bill to transmit a silent panic alarm
	RADION Wireless panic button	RFPB-SB	7	Water and dust resistant Up to 5 year battery life Supervised for low battery and removal from monitored areas
	RADION Wireless receiver	RFRC-OPT	1	Dual internal antennas provide spatial and polar RF signal reception for high reliability Cover and wall tamper protection
	Indoor sounder	IUI-SIR-ID	8	Tamper proof 1,5mm thick steel housing Regulation of charging voltage to 13,8 VDC Noise level of 117 dBA
	Battery	D126	1	12 VDC sealed lead-acid Fully rechargeable, Maintenance-free
Optional equipment for communication to central monitoring center, equipped with Conettix				
	B426 IP communicator	B426	1	Full two-way IP event reporting 10/100 Base-T Ethernet AES Encrypted Line Security
	B450 Conettix Plug-in Communicator	B450	1	Enables full two-way IP communication Supports remote installation of cellular modules
	B442 Conettix Plug-in GPRS Cellular B443 Conettix Plug-in HSPA+ Cellular	B442 and B443	1	Secure Conettix IP alarm communication B442 provides IP communication, B443 provides 3G/4G IP communication

Disclaimer

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