The B9512G Control Panel and the B8512G Control Panel are the new premier commercial control panels from Bosch. B9512G control panels integrate intrusion, fire, and access control providing one simple user interface for all systems.

With the ability to adapt to large and small applications, the B9512G provides up to 599 individually identified points that can be split into 32 areas.

The control panel communicates via the built-in Ethernet port or via compatible plug-in modules that can send events over the public switched telephone network (PSTN) or over cellular network communications.

For users, programmable keypad shortcuts, situation sensitive on-screen help, and a bilingual user interface make system operation simple and easy.

With the B9512G Control Panel, you can:
- Monitor alarm points for intruder, gas, or fire alarms.
- Program all system functions locally or remotely using Remote Programming Software (RPS) or by using basic programming through the keypad.

Functions

Programmable outputs
- Four alarm-output patterns
- Programmable bell test

Output Profiles
Output Profiles support custom programming and provide a way for outputs to operate based on unique application requirements.

Once an Output Profile is created, it can be reused and assigned to multiple outputs enabling quick output programming.

You can create Output Profiles that define how an output operates when specific events occur. Output Profiles provide a way to assign and use consistent output effects throughout the system.
Point response
- Selectable point response time
- Selectable EOL values and configuration
- Cross point capability
- Fire alarm verification
- Dangerous gas indicator includes carbon monoxide
- Watch mode
- 63 point profiles

User interface
- Supervision of up to 32 keypads
- Custom keypad text is fully programmable through RPS
- Full function menu including customizable shortcuts
- Authority by area and 32 character name for each user
- 14 custom authority levels to restrict system features that each user can access
- Programmable primary and secondary language by user and keypad
- 12 available languages (any two can be concurrently used)

User interface languages
The following table shows the available languages per keypad type.

<table>
<thead>
<tr>
<th>Language</th>
<th>B915/ B915I</th>
<th>B920/ B925F/ B926F/ B926M</th>
<th>B921C</th>
<th>B930</th>
<th>B940W/ B942W/ B942W</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Chinese</td>
<td>✔</td>
<td></td>
<td>✔</td>
<td>✔</td>
<td></td>
</tr>
<tr>
<td>Dutch</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>French</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>German</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Greek</td>
<td>✔</td>
<td></td>
<td>✔</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hungarian</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Italian</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Polish</td>
<td>✔</td>
<td></td>
<td>✔</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Portuguese</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Spanish</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Swedish</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
</tbody>
</table>

Area configurations
Link multiple areas to a shared area such as a lobby or common entryway. The shared area then automatically turns On (arms) when all associate areas are armed and turns Off (disarms) when any one associate area is disarmed. For higher security applications, the Area Re-Arm feature guarantees that areas are always rearmed, and are disarmed for no longer than a specific, configurable, amount of time (for example, service time).

Custom functions
For added convenience, the installer can program custom functions that allow customers to complete complex tasks with one simple action. For example, a custom function can bypass a group of points and arm the system, allowing the user to perform these functions with one easy command. Users can activate custom functions with a keypad, keyfob, token, or card, or the control panel can activate a function in reaction to a faulted point, or automatically through a scheduled event (SKED).

Passcode security
- Two-man rule. Requires two people with two unique passcodes to be present at the time of opening.
- Early ambush. Allows users to verify that the facility is safe by requiring two passcodes. The control panel sends a duress event if the user does not enter the passcode a second time after inspecting the premises.
- Dual authentication. Requires two forms of identification before processing certain system commands, including turning off the system and opening doors. A standard system user must have a passcode, a credential (token or card), and appropriate command authority permissions.

Door control
Using the B901 Access Control Module or D9210C Access Control Interface Module, the control panel provides a fully supervised access control solution. The solution offers 14 programmable levels of access authority. Authority for door access is controlled by the user level, the group of the user, the time of day, the door state, and the area armed (On/Off) state.

Easy exit control
The control panel changes from one On (armed) state to another without turning off (disarming) the system. For example, if you change the state from Part On (Perimeter Arm) to All On (Master Arm), the control panel complies and reports the change. Easy exit control reduces the number of keystrokes, simplifying system operation.

Programmable passcode-controlled menu list
Passcode-controlled shortcuts provide users only with the options and information pertinent to them, simplifying system operation.

Flexible control
The system provides the flexibility to choose added convenience or high security. For example, you can restrict to a keypad’s immediate local area turning on (arming) and turning off (disarming) the system with a passcode, even if the user has access to other areas.
This is particularly useful for high security areas, where a user may have access to the area, but would prefer to only turn off (disarm) the area individually rather than with the rest of the system.

**Monitor Delay/Delayed Response**
Create a special point profile that delays the reaction of a point for a specified time (up to 1 hour in minutes and seconds). This delay provides time for the specified condition to reset before activating any annunciation. The system can annunciate locally and send a report, if desired. When the system is armed, the point can respond like a normal point - providing dual functionality. Use this feature to ensure that perimeter doors have not been propped open, or to monitor critical areas such as computer rooms and safes, for example.

**System users**
The system supports up to 2,000 users. Each user can have a personalized passcode, a wireless keyfob, and an access credential to control the system. You can assign passcodes to one of 14 customized authority levels in each area that can be restricted to operate only during certain times. You can program a primary and secondary language for each user and by keypad (select from English, Chinese, French, Greek, Hungarian, Italian, Polish, Portuguese, and Spanish). The keypad changes to the user’s programmed language when the user enters his passcode or holds the Help key.

**Route groups and destinations**
The control panel can send reports to four different route groups using one primary and up to three backup destination devices for each route group.

**Reporting capabilities**
The control panel has flexible communications for most central station receivers with reporting capabilities such as:
- Individual point numbers
- Opening or closing reports by user and area number
- Remote programming attempts
- Diagnostic reports

**Destination test**
It is possible to send test reports to each and all destinations within each route group.

**Communication formats**
The control panel sends reports in these formats:
- Contact ID (PSTN)
- Modem4 (PSTN)
- Conettix Modem4
- Conettix ANSI-SIA Contact ID
- ANSI-SIA DC-09

**Notice**

*UL and ULC LISTED applications*
ANSI-SIA DC-09 format is not available for UL and ULC LISTED applications.

**Notice**
For premises equipment used in the communication path, such as routers, use only UL listed equipment.

**IP communication**
The control panel can use IP to communicate with a Conettix D6600 or a Conettix D6100IPv6 communications receiver/gateway. Use one of the following for IP:
- The on-board Ethernet connection
- Ethernet Communication Module: B426
- Plug-in cellular communicator: B442/B443/B444-A/B444-V

Conettix IP communication provides a secure path that includes anti-replay/anti-substitution features, and enhanced security with up to AES 256-bit encryption (using Cipher Block Chaining (CBC)). The control panel supports Domain Name System (DNS) for both remote programming and central station communication. DNS provides ease of use, eliminating the need to use static IP addresses as your reporting destination, and accommodates a simple solution for central station disaster recovery. The control panel supports both IPv6 and IPv4 networks.

**Communication paths**
The control panel accommodates up to four separate phone and four separate network paths to the central station receiver. When resetting alarms or turning a system on and off, the user is identified by name and number.

**Personal notification**
The control panel can send text messages and emails for personal notification over Ethernet or using a cellular communicator. You can configure up to 32 destinations using a combination of cellular phone numbers and email addresses. The control panel sends notifications in the user’s programmed primary language.

**Firmware updates**
Remote firmware updates are available.

**A wide variety of input options**
Each point:
- Single 1 kΩ, single 2 kΩ, dual 1 kΩ (1 kΩ + 1 kΩ), and No EOL (end-of-line) (EOL) resistor options (for on-board and B208 inputs)
- Programmable for Fire, Intrusion, Access, Gas, and Supervisory devices
- Supports hardwired and wireless devices
- Supports IP cameras by Bosch as point and output devices

**IP camera support**
The control panel can integrate directly with Bosch IP cameras, using them as fully supervised points and outputs.
Integration of cameras allows the camera’s video motion detection to activate points on the control panel. The IP Camera Point Source now includes two wired inputs of an IP camera. The control panel’s virtual outputs (IP camera output source) can be configured to trigger camera actions, including sending video snapshots via email.

**Security and fire detection**
The control panel provides eight on-board points, and up to 591 additional off-board points (depending on model and expansion interfaces). You can program individual points to monitor some types of burglar alarms, fire alarms, and supervision devices.

**Event log**
The event log stores up to 10192 local and reported events. The event log includes time, date, event, area, point, and user. View the event log from a keypad or use RPS to remotely retrieve event information. When the event log reaches a programmed threshold of stored events, it can send an optional report to a receiver.

**Scheduled events (SKEDs)**
The internal clock and calendar start individually scheduled events (SKEDs). SKEDs perform several functions such as turn on or off, relay control, or point bypassing. The control panel offers:

- 80 scheduled events with up to 31 different functions
- 32 opening windows and 32 closing windows
- 32 user group windows
- Day-of-week, date-of-month, or holiday only schedules
- 8 holiday schedules of 366 days (leap year)

**Dual bus and SDI keypad retrofits**
The dual SDI2 device bus design provides greater installation flexibility, such as bus isolation for Intrusion and Fire. To use popular SDI keypads (for example D1255 and D1260), program one of the two SDI2 buses for SDI operation.

**ZONEX and POPEX retrofits**
To retrofit legacy Bosch control panels that use ZONEX and POPEX devices, the control panel is compatible with the B600 Retrofit (ZONEX) Module. The B600 adds two ZONEX buses to the control panel which can connect to existing legacy point bus (POPEX) devices (for example, the D8125).

**Programming**
Installers can perform limited programming on-site with a keypad (critical parameters; such as account IDs, central station and RPS IP addresses and phone numbers, reporting formats, and more). They can also do full programming on-site or remotely (attended or unattended) with RPS. A programmable system passcode prevents unauthorized remote programming.

The following table shows the available languages for RPS:

<table>
<thead>
<tr>
<th>Language</th>
<th>RPS programming</th>
<th>RPS custom text*</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Dutch</td>
<td></td>
<td>✔</td>
</tr>
<tr>
<td>French</td>
<td></td>
<td>✔</td>
</tr>
<tr>
<td>German</td>
<td></td>
<td>✔</td>
</tr>
<tr>
<td>Hungarian</td>
<td></td>
<td>✔</td>
</tr>
<tr>
<td>Italian</td>
<td></td>
<td>✔</td>
</tr>
<tr>
<td>Portuguese</td>
<td></td>
<td>✔</td>
</tr>
<tr>
<td>Spanish</td>
<td></td>
<td>✔</td>
</tr>
<tr>
<td>Swedish</td>
<td></td>
<td>✔</td>
</tr>
</tbody>
</table>

* RPS custom text is text, that can be entered in RPS and which will then be displayed on keypads and on the mobile app.

**Diagnostics**
Keypads and RPS offer diagnostic help for monitoring and troubleshooting. The diagnostics features allow you to view the status of the wired and wireless devices. The features provide the status of the control panel and its connected devices, such as firmware version, power, and missing conditions. View the status of each area.

**3rd Party Integrations**
The control panel provides options for integration with software applications and solutions. Depending on the application, options include a Bosch SDK, RPS-API, Bosch proprietary MODE 2 or OPC interface. The OPC interface enables key DA (Data Access) and AE (Alarms & Events) to integrate with the Bosch BIS solution or 3rd party OPC Classic systems.

**Bosch Video Management System integration**
With Bosch Video Management System (Bosch VMS) and an intrusion system, the VMS operator has a single user interface to monitor and control the intrusion system combined with video surveillance. With Bosch VMS and a control panel, the operator can, for example:

- View videos triggered by intrusion events, including all relevant information such as areas, point, and user show in the display with the event.
- View areas, points, outputs, and doors - with their statuses - on the Bosch VMS map, providing the exact location in the system.
- Turn on (arm) and turn off (disarm) areas.
- Bypass and unbypass points.
- Lock and unlock doors (Bosch VMS 6.0 and higher).
Requirements to integrate Bosch VMS with a control panel:
• A licensed Bosch VMS system using Professional Editions v5.5 or higher or Bosch VMS Enterprise Edition v5.5 or higher.
• Expansion license to integrate the intrusion control panel. One license needed per control panel. Order number MBX-XINT-xx for the expansion license added to a Bosch VMS base license. Refer to the Bosch Video Management Software product page on the Bosch website, www.boschsecurity.com.
• Access to the control panel account and Remote Programming Software (RPS).

Bosch Security Manager Mobile App
The Bosch Security Manager app allows users to control their security systems remotely from their smart devices. Users can:
• Easily view their system's status at a glance via the advanced and colorful design of the app
• Turn the security system On or Off (either the entire system or specific areas)
• Receive and filter event-driven push notifications
• View full event history for their system
• Add, edit, and delete users in their system
• Control outputs and doors
• View live video from Bosch IP cameras
• Access their panels from any device just by logging into the app with a Bosch ID (panels are now linked to an account and not a device)
Full functionality requires panel firmware 3.10 or higher and integration with the new Installer Services Portal. App users must have a valid email account and must be invited to the app by their Bosch certified dealer.
For those without access to the Installer Services Portal, Remote Security Control will remain available.

Installer Services Portal (North America)
The Installer Services Portal offers secure and easy access for managing Bosch cloud and cellular communication services for remote programming and alarm reporting. The Bosch Cloud Remote Connect service eliminates the need to change local router settings, firewall rules or to use Domain Name Service (DNS). In addition to seamless integration with RPS for remote programming, the Remote Connect service fully supports the Bosch Security Manager mobile app.

Regulatory information

<table>
<thead>
<tr>
<th>Region</th>
<th>Regulatory compliance/quality marks</th>
</tr>
</thead>
<tbody>
<tr>
<td>USA</td>
<td>RCM ACMA</td>
</tr>
<tr>
<td>Europe</td>
<td>CE EMC, LVD, RoHS</td>
</tr>
<tr>
<td>USA</td>
<td>UL Underwriters Laboratories</td>
</tr>
<tr>
<td>UL</td>
<td>UL 294 - Standard for Access Control Units and Systems</td>
</tr>
<tr>
<td>UL</td>
<td>UL 365 - Police Station Connected Burglar Alarm Units</td>
</tr>
<tr>
<td>UL</td>
<td>UL 609 - Standard for Local Burglar Alarm Units and Systems</td>
</tr>
<tr>
<td>UL</td>
<td>UL 636 - Holdup Alarm Units and Systems</td>
</tr>
<tr>
<td>UL</td>
<td>UL 864 - Standard for Control Units and Accessories for Fire Alarm Systems (10th edition)</td>
</tr>
<tr>
<td>UL</td>
<td>UL 985 - Household Fire Warning System Units (6th edition)</td>
</tr>
<tr>
<td>UL</td>
<td>UL 1023 - Household Burglar Alarm System Units</td>
</tr>
<tr>
<td>UL</td>
<td>UL 1076 - Proprietary Burglar Alarm Units and Systems</td>
</tr>
<tr>
<td>UL</td>
<td>UL 1610 - Central Station Burglar Alarm Units</td>
</tr>
<tr>
<td>UL</td>
<td>UL 1635 - Standard for Digital Alarm Communicator System Units</td>
</tr>
<tr>
<td>UL</td>
<td>UL 2572 - Standard for Mass Notification Systems</td>
</tr>
<tr>
<td>FM</td>
<td>Central Station</td>
</tr>
<tr>
<td>FM</td>
<td>Local Protective Signaling</td>
</tr>
<tr>
<td>FM</td>
<td>Remote Station</td>
</tr>
<tr>
<td>CSFM</td>
<td>California State Fire Marshal</td>
</tr>
<tr>
<td>FCC</td>
<td>Part 15 Class B</td>
</tr>
<tr>
<td>FDNY-CoA</td>
<td>Fire Department of New York City [B9512G, B8512G]</td>
</tr>
<tr>
<td>Canada</td>
<td>ULC Underwriters Laboratories of Canada</td>
</tr>
<tr>
<td>ULC</td>
<td>CAN/ULC S303 - Local Burglar Alarm Units and Systems</td>
</tr>
<tr>
<td>ULC</td>
<td>CAN/ULC S304 - Standard for Signal Receiving Center and Premise Burglar Alarm</td>
</tr>
<tr>
<td>ULC</td>
<td>CAN/ULC S545 - Residential Fire Warning System Control Units</td>
</tr>
</tbody>
</table>
### Intrusion Alarm Systems - B9512G IP control panel, 32 areas, 599 points

#### Region | Regulatory compliance/quality marks
--- | ---
ULC | CAN/ULC S559 - Fire Signal Receiving Centres and Systems
ULC | ULC-ORD C1023 - Household Burglar Alarm System Units
ULC | ULC-ORD C1076 - Proprietary Burglar Alarm Units and Systems
IC | ICES-003 - Information Technology Equipment (ITE)
Brazil | ANATEL 04450-16-01855 [B9512G, B8512G when used with B430 or B442]

---

### Installation/configuration notes

**Notice**

Not all products and features are available in all regions. Consult your local Bosch representative for availability details.

### Compatible products

#### Keypads

- B940W Touch screen KP, White (SDI2)
- B942/B942W Touch Screen Keypad (SDI2)
- B930 ATM Style Alphanumeric Keypad (SDI2)
- B926F Fire Keypad (SDI2)
- B925F Fire Keypad (SDI2)
- B926M Mass Notification Keypad (SDI2)
- B921C Two-line Capacitive Keypad (SDI2)
- B920 Two-line Alphanumeric Keypad (SDI2)
- B915/B915I Basic Keypad (SDI2)
- D1255 Series Keypads
- D1260 Series Keypads
- D1256RB Fire Keypad
- D1257RB Remote Fire Alarm Annunciator

#### Power

- D1640 16.5 VAC 40 VA Transformer
- DE-45-18 Transformer
- D126 Standby Battery (12 V, 7 Ah)

- D1218 Battery (12 V, 18 Ah)
- D122 Dual Battery Harness
- D122L Dual Battery Harness with Long Leads

#### Enclosures

- B8103 Universal Enclosure (White)
- DB103 Universal Enclosure (Gray)
- D8108A Attack Resistant Enclosure
- D8108A-CE Attack Resistant Enclosure with Built-in Transformer
- D8109 Fire Enclosure

#### Accessories

- B56 Keypad Surface Mount Box
- B96 Keypad Trim Bezel
- B99 USB Direct Connect Cable
- B501-10 Interconnect wiring cables (pack of 10)
- D161 Dual Modular Telephone Cord (7 f)
- D162 Modular Telephone Cord (2 ft)
- D166 Telephone Jack (RJ31X)

#### Detectors

- D7050 Series Addressable Photoelectric Smoke and Smoke Heat Detector Heads
- F220-B6PM/S 12/24 VDC Addressable Detector Bases with POPITs
- F220-B6 12/24 VDC Two-wire Base
- F220-B6R Standard 12/24 VDC Four-wire Base)
- F220-P Photoelectric Smoke Detector
- F220-PTH Photoelectric Smoke Detector with +135°F (+57°C) Heat Sensor
- F220-PTH Photoelectric Smoke Detector with +135°F (+57°C) Heat Sensor and Carbon Monoxide Sensors
- F220-B6C 12/24 VDC Four-wire Base with Auxiliary Form C Relay
- FCC-380 Carbon Monoxide Detector
- FCH-T320 Heat Detector
Intrusion Alarm Systems - B9512G IP control panel, 32 areas, 599 points

- B9512G IP control panel, 32 areas, 599 points

- FCP-OT320 Multisensor Detector Optical/Thermal

- FCP-O320 Optical Smoke Detector

- MX775i Addressable PIR Detector

- MX794i Long Range Multiplex PIR Detector

- MX934i Addressable PIR Detector

- MX938i Addressable PIR Detector

- ZX776Z PIR Detector

- ZX794Z Long Range PIR Detector

- ZX835 TriTech Microwave/PIR Detector

- ZX935Z PIR Detector

- ZX938Z PIR Detector

- ZX970 PIR/Microwave Detector

Bosch conventional detectors, including Professional Series, Blue Line Gen2, Blue Line, Classic Line, Commercial Line, and Ceiling Mount motion detectors, as well as glass break, seismic, request-to-exit, photoelectric, heat, and smoke detectors.

**Modules**

- B208 Octo-input Module

- B299 POPEX Module

- B308 Octo-output Module

- B426 Conettix Ethernet Communication Module

- B430 Plug-in Telephone Communicator

- B440 Conettix Plug-in Cellular Communicators

- B442 Conettix Plug-in Cellular Communicator (using GPRS)

- B443 Conettix Plug-in Cellular Communicator (using HSPA+)

- B444 Conettix Plug-in Cellular Communicator

- B444-A Plug-in cell module, AT&T LTE

- B444-V Plug-in cell module, Verizon LTE

- B450 Conettix Plug-in Communicator Interface

- B520 Auxiliary Power Supply Module

- B600 Retrofit (ZONEX) Module

- B810 wireless receiver (RADION)

- B820 SDI2 Inovonics Interface Module

- B901 Access Control Module

- B113 Battery Lead Supervision Module

- D125B Dual Class B Initiating Module

- D126 Standby Battery (12 V, 7 Ah)

- D129 Class A Initiating Module

- D130 Auxiliary Relay Module

- D132A Smoke Detector Reversing Relay Module

- D133 Single Relay Module

- D134 Dual Relay Module

- D185 Reverse Polarity Signaling Module

- D192G Class “B”, Style Y Bell Circuit Supervision

- D1218 Battery (12 V, 18 Ah)

- D8125 Addressable Expansion Module

- D8125MUX Multiplex Bus Interface

- D8128D OctoPOPIT Eight-point Expander

- D8129 Octo-relay Module

- D8130 Door Release Module

- D9127U/T POPIT Module

- DS7461i Single-zone Input Module

- DS7465i Input-output Module

- D9210C Access Control Interface Module

- ICP-EZTS Cover and Wall Tamper Switch

- ICP-SDI-9114 SDI Splitter

**Applications**

Remote Programming Software (RPS or RPS-LITE) v6.03 and higher

Bosch Video Management System v5.5 and higher

Remote Security Control

**Conettix receivers**

(Managed and configured with Conettix D6200 Programming/Administration Software v2.10)
Conettix D6600 Communications Receiver/Gateway (with only D6621 line cards installed) with CPU version 01.10.00
Conettix D6100IPv6 Communications Receiver/Gateway with CPU version 61.10.00
Conettix D6100i Communications Receiver/Gateway with CPU version 61.10.00

**RADION wireless from Bosch**

B810 wireless receiver (RADION)
RFBT-A/RFBT bill trap
RFDL-11-A/RFDL-11 TriTech motion detector
RFDW-RM-A/RFDW-RM recessed mount door/window contact
RFDW-SM-A/RFDW-SM surface mount door/window contact
RFGB-A/RFGB glass break detector
RFKF-A/RFKF two-button keyfob
RFKF-FBS-A/RFKF-FBS four-button keyfob
RFKF-TBS-A/RFKF-TBS two-button keyfob
RFPB-SB-A/RFPB-SB single-button panic
RFPB-TB-A/RFPB-TB two-button panic
RFRP-A/RFRP repeater
RFHT-A Wireless heat detector
RFSM2-A Wireless smoke detector
RFCO-A Wireless CO detector
RFPR-12-A/RFPR-12 PIR motion detector
RFPR-C12-A/RFPR-C12 PIR curtain motion detector
RFUN-A/RFUN universal transmitter

**Inovonics Wireless**

B820 SDI2 Inovonics Interface Module
ENKIT-SDI2 SDI2 Inovonics Interface and Receiver Kit. Includes B820 and EN4200
EN1210 Universal Transmitter (Single-input)
EN1210EOL Universal Transmitter with EOL Resistor
EN1210W Door-Window Transmitter with Reed Switch

**Parts included**

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Component</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Control panel</td>
</tr>
<tr>
<td>1</td>
<td>Hardware pack</td>
</tr>
<tr>
<td>1</td>
<td>Literature pack</td>
</tr>
<tr>
<td></td>
<td>• UL Installation Guide</td>
</tr>
<tr>
<td></td>
<td>• ULC Installation Guide</td>
</tr>
<tr>
<td></td>
<td>• Owner’s Manual</td>
</tr>
<tr>
<td></td>
<td>• Release Notes</td>
</tr>
<tr>
<td></td>
<td>• SIA Quick Reference Guide</td>
</tr>
<tr>
<td>1</td>
<td>Literature CD containing product literature</td>
</tr>
</tbody>
</table>
### Technical specifications

<table>
<thead>
<tr>
<th>Capacity</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of points</td>
<td>599</td>
</tr>
<tr>
<td>Number of areas</td>
<td>32</td>
</tr>
<tr>
<td>Number of events</td>
<td>10192</td>
</tr>
<tr>
<td>Number of keypads</td>
<td>32</td>
</tr>
<tr>
<td>Number of outputs</td>
<td>599</td>
</tr>
<tr>
<td>Number of on-board outputs</td>
<td>8</td>
</tr>
<tr>
<td>Number of SKEDs</td>
<td>80</td>
</tr>
<tr>
<td>Number of users</td>
<td>2001</td>
</tr>
<tr>
<td>Number of custom functions</td>
<td>32</td>
</tr>
<tr>
<td>Number of IP cameras</td>
<td>59</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Electrical</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Current consumption (mA)</td>
<td>180 mA – 260 mA</td>
</tr>
<tr>
<td>Input voltage (VAC)</td>
<td>16.50 VAC – 18 VAC</td>
</tr>
<tr>
<td>Maximum auxiliary output current (mA)</td>
<td>1400 mA</td>
</tr>
<tr>
<td>Nominal voltage (VDC)</td>
<td>12 VDC</td>
</tr>
<tr>
<td>Output current (A)</td>
<td>0 A – 2 A</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Environmental</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating temperature (°C)</td>
<td>0°C – 49°C</td>
</tr>
<tr>
<td>Operating temperature (°F)</td>
<td>32°F – 120°F</td>
</tr>
<tr>
<td>Operating relative humidity, non-condensing (%)</td>
<td>5% – 93%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Mechanical</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>Black</td>
</tr>
<tr>
<td>Dimension (H x W x D) (cm)</td>
<td>26.99 cm x 19.69 cm x 4.76 cm</td>
</tr>
<tr>
<td>Dimension (H x W x D) (in)</td>
<td>10.6250 in. x 7.75 in. x 1.8750 in.</td>
</tr>
<tr>
<td>Dimension (H x W x D) (mm)</td>
<td>269.90 mm x 196.90 mm x 47.60 mm</td>
</tr>
<tr>
<td>Weight (g)</td>
<td>880 g</td>
</tr>
<tr>
<td>Weight (kg)</td>
<td>0.88 kg</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Network</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethernet type</td>
<td>10/100BASE-T</td>
</tr>
</tbody>
</table>

### Ordering information

**B9512G IP control panel, 32 areas, 599 points**
Supports up to 599 points, 3 on-board outputs, and 32 areas for intrusion, commercial fire. On-board Ethernet.
Order number **B9512G** | **F.01U.296.328** **F.01U.396.918** **F.01U.390.774**

**Accessories**

**B520 Auxiliary power supply module, 2A 12V**
Provides auxiliary power to 12 VDC devices or to SDI2 modules.
Order number **B520** | **F.01U.172.941**

**B208 SDI2 8-input Expansion Module**
Provides 8 programmable inputs.
Order number **B208** | **F.01U.385.671** **F.01U.397.024** **F.01U.323.801**

**B308 SDI2 8-Output Expansion Module**
Provides 8 programmable relays.
Order number **B308** | **F.01U.385.672** **F.01U.397.025** **F.01U.323.802**

**B901 Door Controller**
Fully supervised, addressable SDI2/SDI bus device that allows access control integration for Bosch G and B Series Control Panels.
Order number **B901** | **F.01U.323.803** **F.01U.386.908**

**B810 Wireless SDI2 bus interface**
Receives RF signals from RADION transmitters, repeaters, and glassbreaks. Operates at 433.42 MHz. For use with compatible SDI2 bus control panels.
Order number **B810** | **F.01U.323.799** **F.01U.383.394**

**D122 Dual battery harness**
Harness with circuit breaker. Connects two batteries (in parallel) to a compatible control panel.
Order number **D122** | **4.998.800.378**

**D122L Dual battery harness, long**
Harness with circuit breaker and leads measuring 35 in. (89 cm). Connects two batteries (in parallel) to a compatible control panel in a separate enclosure.
Order number **D122L** | **4.998.140.606**

**D126 Battery, 12V 7Ah**
A rechargeable sealed lead-acid power supply used as a secondary power supply or in auxiliary or ancillary functions.
Order number **D126** | **4.998.125.820**

**D126 Battery, 12V 18Ah**
The D1218 is a 12 V 18 Ah sealed lead-acid battery with two bolt-fastened terminals. It is used for standby and auxiliary power. It connects to a compatible control panel using a D122 or D122L Dual battery harness.
Order number **D1218** | **4.998.140.606**
B1238 BATTERY, 12V 38 AH
A 12 V sealed lead-acid battery for standby and auxiliary power with two bolt-fastened terminals. Includes hardware for attaching battery leads or spade connectors.
Order number D1238 | 4.998.125.822

D137 Accessory mounting bracket for enclosure
Used to mount accessory modules in B8103, D8108A, and D8109 enclosures.
Order number D137 | F.01U.020.521

D1640 Transformer plug-in, 16V 40VA
System transformer rated at 16.5 VAC, 40 VA.
Order number D1640 | 4.998.125.832

D1640-CA Transformer, plug-in, 16V 40VA, Canada
For use in Canada. System transformer rated at 16.5 VAC, 40 VA.
Order number D1640-CA | F.01U.270.316 F.01U.026.408

D9002-5 Mounting plate, 6 location 3-hole, 5 pcs
5 pack of mounting skirts for B8103, D8103, D8108A, and D8109 enclosures. Each skirt can hold up to six standard 3-hole mounting modules.
Order number D9002-5 | F.01U.217.699

D101 Enclosure lock and key set
Short-body lock set with one key supplied. Uses the D102 (#1358) replacement key.
Order number D101 | 4.998.800.200

D110 Tamper switch for enclosure, 2pcs
Screw-on tamper switch that fits all enclosures. Shipped in packages of two.
Order number D110 | F.01U.246.707 4.998.137.947

ICP-EZTS Dual tamper switch
Combination tamper switch with a wire loop for additional tamper outputs.
Order number ICP-EZTS | F.01U.217.038 F.01U.003.526

B8103 Universal enclosure, white
White steel enclosure measuring 41 cm x 41 cm x 9 cm (16 in. x 16 in. x 3.5 in.).
Order number B8103 | F.01U.300.149

D8108A Attack resistant enclosure, large, grey
Grey steel enclosure measuring 41.5 cm x 41.5 cm x 9 cm (16 in. x 16 in. x 3.5 in.).
UL Listed. Includes a lock and key set.
Order number D8108A | 4.998.125.920

D8109 Fire enclosure, 16x16x3.5", red
Red enclosure, 16in. x 16in. x 3.5in. (41cm x 41cm x 9cm), 16 gauge (1.5mm) cold-rolled steel, full-length hinge, D101F lock and 2 D102F keys, UL Listed for commercial fire/burglary applications.
Order number D8109 | 4.998.800.205

D8004 Transformer enclosure kit, grey
For applications that might require a remote transformer in an enclosure. Can be used with B Series control panels and D9412GV4/D7412GV4 control panels.
Order number D8004 | 4.998.140.404

BATB-40 Battery box/enclosure, 22x21x7.25"
22 x 20.75 x 7.25" (56 x 53 x 18.5 cm). Holds two dry or wet cell batteries. Optional BATB-SHELF battery shelf increases number of batteries. Suitable for residential/commercial fire or burglary applications.
Order number BATB-40 | 4.998.137.930

BATB-80 Battery box/enclosure, 22x21x7.25"xn
22 in. x 20.75 in. x 7.25 in. (55.9 cm x 52.7 cm x 18.4 cm). Battery box/enclosure with shelf holds up to four dry or wet cell batteries. Suitable for residential/commercial fire or burglary applications.
Order number BATB-80 | 4.998.137.931

B99 USB direct connect cable
Male A to Male A USB cable for local programming of control panels with on-board USB ports.
Order number B99 | F.01U.278.853

B915 Basic Keypad
Two-line alphanumeric basic keypad with language function keys.
Available languages: English, Chinese, Dutch, French, German, Greek, Italian, Hungarian, Polish, Portuguese, Spanish, Swedish.
Order number B915 | F.01U.385.667 F.01U.323.784

B915I LCD keypad, icon keys, SD12
Two-line alphanumeric basic keypad with icon function keys.
Available languages: English, Chinese, Dutch, French, German, Greek, Italian, Hungarian, Polish, Portuguese, Spanish, Swedish.
Order number B915I | F.01U.315.437 F.01U.385.666

B920 2 Line Alpha Numeric Keypad (SD12)
Two-line alphanumeric keypad
Available languages: English, Dutch, French, German, Hungarian, Italian, Portuguese, Spanish, Swedish.
Order number B920 | F.01U.385.668 F.01U.323.785

B921C Two-line Keypad w/Touch keys, Inputs
Two-line alphanumeric keypad with inputs and capacitive touch keys in black.
Available languages: English, Dutch, French, German, Hungarian, Italian, Portuguese, Spanish, Swedish.
Order number B921C | F.01U.323.784 F.01U.385.734

B930 ATM Style-Alpha Numeric Keypad (SD12)
Five-line ATM style alphanumeric keypad
Available languages: English, Dutch, French, German, Hungarian, Italian, Portuguese, Spanish, Swedish.
Order number B930 | F.01U.385.669 F.01U.323.787

B940W Slim Touch Keypad
SD12 compatible touch screen keypad with function keys.
Available languages: English, Chinese, Dutch, French, German, Greek, Italian, Hungarian, Polish, Portuguese, Spanish, Swedish.
Order number B940W | F.01U.358.360

B942 Touch Screen KP Prox/Input/Output, black
Black SD12 touch screen keypad with inputs and one output.
Available languages: English, Chinese, Dutch, French, German, Greek, Italian, Hungarian, Polish, Portuguese, Spanish, Swedish.
Order number B942 | F.01U.323.788 F.01U.386.352
**Intrusion Alarm Systems**

- **B942W Touch screen KP, prox/input/output, white**
  White SDI2 touch screen keypad with inputs and one output.
  Available languages: English, Chinese, Dutch, French, German, Greek, Italian, Hungarian, Polish, Portuguese, Spanish, Swedish.
  Order number **B942W | F.01U.323.789 F.01U.395.924**

- **B925F Fire and intrusion keypad, SDI2**
  Two-line alphanumeric fire and intrusion keypad.
  Order number **B925F | F.01U.303.219 F.01U.382.454**

- **B926F Fire keypad, SDI2**
  Two-line alphanumeric fire keypad
  Order number **B926F | F.01U.303.220 F.01U.382.455**

- **B426 Ethernet Communication Module**
  Supports two-way communications over Ethernet networks for compatible control panels.
  Order number **B426 | F.01U.324.383 F.01U.386.952**

- **B442 Plug-in cellular module, GPRS**
  Multi-function cellular communicator that provides IP communication over a (GPRS) cellular network
  Order number **B442 | F.01U.283.090 F.01U.385.514**

- **B443 Plug-in Cellular, HSPA+ (3G+)**
  Multi-function 3G/4G cellular communicator providing IP communication over a GPRS/EDGE/UMTS/HSPA+ cellular network
  Order number **B443 | F.01U.323.796 F.01U.385.515**

- **B444 Plug-in cellular module, VZW LTE, hot**
  Pre-activated 4G LTE cellular communicator for secure two-way IP communication on the Verizon Wireless LTE network.
  Order number **B444 | F.01U.335.089**

- **B444-C Plug-in cell module, VZW LTE, cold**
  Non-activated 4G LTE cellular communicator for secure two-way IP communication on the Verizon Wireless LTE network.
  Order number **B444-C | F.01U.349.007**

- **B444-A Plug-in cell module, AMEC LTE**
  This communication module provides secure two-way IP communication on North American wireless networks.
  Order number **B444-A | F.01U.385.518 F.01U.374.184**

- **B444-V Plug-in cell module, VZW LTE**
  This communication module provides secure two-way IP communication on the Verizon Wireless network.
  Order number **B444-V | F.01U.385.517 F.01U.374.183**

- **B926M Mass notification keypad, SDI2**
  Fully supervised SDI2 keypad for Mass Notification Systems and fire applications.
  Order number **B926M | F.01U.391.460**

**Software Options**

- **D5500C-USB Kit with DVD and USB security dongle**
  Remote Programming Software (RPS) with USB security key (dongle).
  Order number **D5500C-USB | 4.998.143.724**

**Services**

- **EWE-GSERIE-IW 12 mths wrty ext G Series panel**
  12 months warranty extension
  Order number **EWE-GSERIE-IW | F.01U.352.287**

---

*Represented by:*

Europe, Middle East, Africa:
Bosch Security Systems B.V.
P.O. Box 80002
5600 JB Eindhoven, The Netherlands
Phone: + 31 40 2577 284
www.boschsecurity.com/sc/en/contact/

Germany:
Bosch Sicherheitssysteme GmbH
Robert-Bosch-Ring 5
85630 Grasbrunn
Tel.: +49 (0)89 6290 0
Fax: +49 (0)89 6290 1020
de.securitysystems@bosch.com
www.boschsecurity.com

North America:
Bosch Security Systems, LLC
130 Perinton Parkway
Fairport, New York, 14450, USA
Phone: +1 800 289 0096
Fax: +1 585 223 9180
onlinehelp@us.bosch.com
www.boschsecurity.com

Asia-Pacific:
Robert Bosch (SEA) Pte Ltd, Security Systems
11 Bishan Street 21
Singapore 573943
Phone: +65 6571 2808
Fax: +65 6571 2699
www.boschsecurity.com/xc/en/contact/

© Bosch Security Systems 2022