Intrusion Alarm Systems

B9512G IP control panel, 32 areas, 599 points

G Series

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 can communicate through its built-in Ethernet port (not applicable to “E” control panels), or through 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 local or remote using Remote Programming Software (RPS) or the Installer Services Portal programming tool (available in Europe, Middle East, Africa, and China) or by using basic programming through the keypad.
- Add up to 32 doors of access control using the optional B901 Access Control Module. Optionally use the D9210C Access Control Interface Module for up to eight of the 32 doors.

The B9512G is a direct replacement for previous control panel models D9412GV4, D9412GV3, D9412GV2, and D9412G.

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 or the Installer Services Portal programming tool (available in Europe, Middle East, Africa, and China)
• 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/B942/B942W</th>
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</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.

**Bosch Remote Connect (Cloud)**
Remote Connect simplifies connections from RPS, and the Remote Security Control app, using Bosch Cloud services. This service creates a secure connection to the control panel without specific router settings or the need for a static IP address or DNS.

> **Notice**
The Bosch Remote Connect service is not available in Europe, the Middle East, or Africa.

**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 or the Installer Services Portal programming tool (available in Europe, Middle East, Africa, and China) 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 SD12 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 SD12 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.

Full programming is also possible with the web-based Installer Services Portal programming tool. The Installer Services Portal programming tool is available for panel firmware version 3.06 or higher.

> **Notice**
The Installer Services Portal programming tool is available in Europe, Middle East, Africa, and China.

The following table shows the available languages for RPS and Installer Services Portal programming tool.

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<th>RPS programming</th>
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*Custom text is available in RPS custom text*
Intrusion Alarm Systems - B9512G IP control panel, 32 areas, 599 points

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*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, RPS and the Installer Services Portal programming tool (available in Europe, Middle East, Africa, and China) 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.

Remote Security Control app
The Remote Security Control app allows users to control their security systems remotely from their devices. Users can:
• Turn their security system On or Off
• Turn specific areas On or Off
• Control outputs for applications such as lighting control
• View live video from Bosch IP cameras
• Grant access remotely by unlocking and locking doors
The app requires the installing dealer to create a Remote Access Profile for users, and to install the profile on their devices.

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) and the Installer Services Portal programming tool (available in Europe, Middle East, Africa, and China).

Certifications and approvals

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<th>Region</th>
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Intrusion Alarm Systems - B9512G IP control panel, 32 areas, 599 points

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### Installation/configuration notes

1. 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)
- 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)
- D8103 Universal Enclosure (Gray)
- D8108A Attack Resistant Enclosure
- D8108A-CE Attack Resistant Enclosure with Built-in Transformer
**Intrusion Alarm Systems** - B9512G IP control panel, 32 areas, 599 points

**Accessories**
- D8109 Fire Enclosure
- 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 ft)
- 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
- 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

**Zones**
- 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
- 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
- D113 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
**Intrusion Alarm Systems** - B9512G IP control panel, 32 areas, 599 points

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
Installer Services Portal programming tool
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 D6641 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-SM 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
EN1215EOL Universal Transmitter with Wall Tamper, Reed Switch, and EOL Resistor
EN1223D Water-resistant Pendant Transmitter (Double-button)
EN1223S Water-resistant Pendant Transmitter (Single-button)
EN1224-ON Multiple-Condition Pendant Transmitter
EN1233D Necklace Pendant Transmitter (Double-button)
EN1233S Necklace Pendant Transmitter (Single-button)
EN1235D Beltclip Pendant Transmitter (Double-button)
Intrusion Alarm Systems

- B9512G IP control panel, 32 areas, 599 points

EN1235DF Fixed-location Transmitter (Double-button)
EN1235S Beltclip Pendant Transmitter (Single-button)
EN1235SF Fixed-location Transmitter (Single-button)
EN1247 Glass-break Detector Transmitter
EN1249 Bill Trap Transmitter
EN1242 Smoke Detector Transmitter
EN1260 Wall Mount Motion Detector
EN1261HT High Traffic Motion Detector
EN1262 Motion Detector with Pet Immunity
EN1265 360° Ceiling Mount Motion Detector
EN4200 Serial Receiver
EN5040-T High Power Repeater with Transformer

Environmental considerations

<table>
<thead>
<tr>
<th>Properties</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Relative humidity</td>
<td>5% to 93% at +32°C (+90°F)</td>
</tr>
<tr>
<td>Temperature (operating)</td>
<td>0°C to +49°C (+32°F to +120°F)</td>
</tr>
</tbody>
</table>

Power requirements

<table>
<thead>
<tr>
<th>Current (maximum)</th>
<th>Standby: 180 mA</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Alarm: 260 mA</td>
</tr>
<tr>
<td>Output (alarm)</td>
<td>2 A at 12 VDC</td>
</tr>
<tr>
<td>Output (auxiliary, continuous power, and switched auxiliary combined)</td>
<td>1.4 A at 12 VDC nominal</td>
</tr>
<tr>
<td>Voltage (operating)</td>
<td>12 VDC nominal</td>
</tr>
<tr>
<td>Voltage (AC)</td>
<td>16.5 - 18 VAC</td>
</tr>
</tbody>
</table>

Wiring

| Terminal wire size                      | 12 AWG to 22 AWG (2.0 mm to 0.85 mm)          |
| SDI2 wiring                            | Maximum distance – Wire size (unshielded wire only): 7,500 ft (2,286 m) - 22 AWG (0.65 mm) |

Number of...

| Areas                                | 32                                             |
| Custom functions                     | 32                                             |
| Keypads                              | 32 keypads, including 16 SDI keypads           |
| Events                               | Up to 10,192                                   |
| Passcode users                       | 2000, plus 1 installer passcode                |
| Points                               | 599 (8 on-board, up to 591 off-board and virtual) |
| Programmable outputs                 | 599 (3 on-board, up to 596 off-board and virtual) |
| RF points                            | 504                                            |
| IP cameras                           | 16                                             |
| SKEDs                                | 80                                             |

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
EWE-CMDCTR-IW 12 mths wrty ext Command Center
12 months warranty extension
Order number EWE-CMDCTR-IW | F.01U.352.285

EWE-DCTRM-IW 12 mths wrty ext door control module
12 months warranty extension
Order number EWE-DCTRM-IW | F.01U.352.288

EWE-DIACOM-IW 12 mths wrty ext Dialler and Communicat.
12 months warranty extension
Order number EWE-DIACOM-IW | F.01U.352.316

EWE-PSUP2A-IW 12 mths wrty ext Power Supply 2.0 A
12 months warranty extension
Order number EWE-PSUP2A-IW | F.01U.352.294

EWE-RFREC-IW 12 mths wrty ext RF Receiver / Repeater
12 months warranty extension
Order number EWE-RFREC-IW | F.01U.352.311

**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

B10 Steel enclosure, medium, white
White, steel enclosure. Accepts an optional lock and tamper switch. Measures 35.6 cm x 31.8 cm x 7.6 cm (14 in x 12.5 in x 3 in).
Order number B10 | F.01U.268.495

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

D2203 ENCLOSURE, D2212
Gray steel enclosure. Accepts an optional lock and tamper switch. Measures 35.6 cm x 31.8 cm x 7.6 cm (14 in x 12.5 in x 3 in).
Order number D2203 | 4.998.140.296

D8103 Steel enclosure, large, grey
Grey steel enclosure measuring 41 cm x 41 cm x 9 cm (16 in x 16 in x 3.5 in.).
Order number D8103 | 4.998.800.201

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

AE1 Steel enclosure, medium, grey
Standard gray enclosure with keyed lock. Measures 35.6 cm x 31.8 cm x 7.6 cm (14 in x 12.5 in x 3 in).
Order number AE1 | 4.998.800.323

AE2 Fire enclosure, 14x12.5x3””, red
Standard red enclosure with keyed lock. Measures 14 in x 12.5 in x 3 in. (35.6 cm x 31.8 cm x 7.6 cm).
Order number AE2 | F.01U.001.128

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

B12 Mounting plate for D8103 enclosure
Required for mounting select control panels and other devices in B8103, D8103, D8108A, D8109, and BATB Battery Box enclosures.
Order number B12 | F.01U.260.846

TR1850 Transformer plug-in, 18V 50VA
For use in North America. Plug-in transformer with input: 120 VAC, 60 Hz, 0.50 A; output 18 VAC, 50 VA output.
Order number TR1850 | 4.998.126.576

TR1850-CA Transformer, plug-in, 18V 50VA, Canada
For use in Canada. Plug-in transformer with input: 120 VAC, 60 Hz, 0.50 A; output 18 VAC, 50 VA output.
Order number TR1850-CA | F.01U.280.484

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

**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

**B050-B Auxiliary power supply kit w/B10, SDI2**
B520 Auxiliary Power Supply Module Kit includes a TR1850 transformer, and a B10 Medium Control Panel Enclosure.
Order number B520-B | F.01U.283.088

**B050-C Auxiliary power supply kit w/D8103, SDI2**
B520 Auxiliary Power Supply Module Kit includes a TR1850 transformer, a B12 mounting plate, and a B8103 Universal Enclosure.
Order number B520-C | F.01U.283.089

**B208 SDI2 8-input Expansion Module**
Provides 8 programmable inputs.
Order number B208 | F.01U.397.024 F.01U.385.671 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.386.908 F.01U.323.803

**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 | 4.998.125.825

D1218 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 | 4.998.125.820

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

D1238 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

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-SHELF Battery shelf, optional for BATB-40
An optional battery shelf for the BATB-40. It allows up to two additional batteries to be placed in the battery box. Order number BATB-SHELF | F.01U.000.773

BATB-80 Battery box/enclosure, 22x21x7.25”
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

B56 Keypad surface mount box
Surface mount box for mounting a keypad to concrete or block. Order number B56 | F.01U.295.834
B96 Trim plate for keypad
Cover the wall footprint of previous keypads when replacing them with the new, slim design of B Series keypads. The white trim bezel is 8.6 in x 6.3 in x 0.12 in (22 mm x 16 mm x 3 mm).
Order number B96 | F.01U.272.856

B915I LCD keypad, icon keys, SDI2
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

B56 Keypad surface mount box
Surface mount box for mounting a keypad to concrete or block.
Order number B56 | F.01U.295.834

B96 Trim plate for keypad
Cover the wall footprint of previous keypads when replacing them with the new, slim design of B Series keypads. The white trim bezel is 8.6 in x 6.3 in x 0.12 in (22 mm x 16 mm x 3 mm).
Order number B96 | F.01U.272.856

B940W Slim Touch Keypad
SDI2 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 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 B942 | F.01U.386.352 F.01U.323.788

B920 2 Line Alpha Numeric Keypad (SDI2)
Two-line alphanumeric keypad
Available languages: English, Dutch, French, German, Hungarian, Italian, Portuguese, Spanish, Swedish.
Order number B920 | F.01U.323.785 F.01U.385.668

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.323.786 F.01U.385.734

B56 Keypad surface mount box
Surface mount box for mounting a keypad to concrete or block.
Order number B56 | F.01U.295.834

B96 Trim plate for keypad
Cover the wall footprint of previous keypads when replacing them with the new, slim design of B Series keypads. The white trim bezel is 8.6 in x 6.3 in x 0.12 in (22 mm x 16 mm x 3 mm).
Order number B96 | F.01U.272.856

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

B56 Keypad surface mount box
Surface mount box for mounting a keypad to concrete or block.
Order number B56 | F.01U.295.834

B96 Trim plate for keypad
Cover the wall footprint of previous keypads when replacing them with the new, slim design of B Series keypads. The white trim bezel is 8.6 in x 6.3 in x 0.12 in (22 mm x 16 mm x 3 mm).
Order number B96 | F.01U.272.856

B930 ATM Style-Alphama 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

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

B56 Keypad surface mount box
Surface mount box for mounting a keypad to concrete or block.
Order number B56 | F.01U.295.834

B96 Trim plate for keypad
Cover the wall footprint of previous keypads when replacing them with the new, slim design of B Series keypads. The white trim bezel is 8.6 in x 6.3 in x 0.12 in (22 mm x 16 mm x 3 mm).
Order number B96 | F.01U.272.856
**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**

**ITS-SIM-TMO SIM card, T-Mobile US**
Contains one T-Mobile (US) wireless network SIM card compatible with the B443 Conettix Plug-in HSPA+ Cellular Communicator.
Order number **ITS-SIM-TMO | F.01U.218.196**

**B443-ATT Plug-in HSPA with AT&T SIM**
This kit contains one B443 communicator and one AT&T SIM card.
Order number **B443-ATT | F.01U.320.534**

**SIM-HSPA-ATT SIM card, AT&T US**
Contains one AT&T (US) wireless network SIM card for the B443 Conettix Plug-in HSPA+ Cellular Communicator.
Order number **SIM-HSPA-ATT | F.01U.318.927**

**B443-TMO HSPA+ PLUG-IN W/ TMO SIM**
This kit contains one B443 communicator and one T-Mobile SIM card.
Order number **B443-TMO | F.01U.350.866**

**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**

**B40-P Outdoor puck antenna, cell, 6.5ft**
Order number **B40-P | F.01U.326.561**

**B40-MB25 Outdoor multiband antenna, cell, 25ft**
Provides wide bandwidth and low angle radiation pattern for indoor/outdoor applications. Supports 2G/3G/4G data communication, Domestic (US) LTE 700 band, Global LTE 2600 band, Domestic (US) Cellular, Global GSM, and WiMAX 2300/2500/2600 bands. Includes a 25 ft (7.6 m) cable, and a mounting bracket.
Order number **B40-MB25 | F.01U.326.560**

**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.374.184 F.01U.385.518**

**B40-MB25 Outdoor multiband antenna, cell, 50ft**
Provides wide bandwidth and low angle radiation pattern for indoor/outdoor applications. Supports 2G/3G/4G data communication, Domestic (US) LTE 700 band, Global LTE 2600 band, Domestic (US) Cellular, Global GSM, and WiMAX 2300/2500/2600 bands. Includes a 50 ft (15.2 m) cable, and a mounting bracket.
Order number **B40-MB50 | F.01U.326.560**

**B40-P Outdoor puck antenna, cell, 6.5ft**
Order number **B40-P | F.01U.326.559**

**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**

**B40-MB25 Outdoor multiband antenna, cell, 50ft**
Provides wide bandwidth and low angle radiation pattern for indoor/outdoor applications. Supports 2G/3G/4G data communication, Domestic (US) LTE 700 band, Global LTE 2600 band, Domestic (US) Cellular, Global GSM, and WiMAX 2300/2500/2600 bands. Includes a 50 ft (15.2 m) cable, and a mounting bracket.
Order number **B40-MB50 | F.01U.326.560**

**B40-MB50 Outdoor multiband antenna, cell, 50ft**
Provides wide bandwidth and low angle radiation pattern for indoor/outdoor applications. Supports 2G/3G/4G data communication, Domestic (US) LTE 700 band, Global LTE 2600 band, Domestic (US) Cellular, Global GSM, and WiMAX 2300/2500/2600 bands. Includes a 50 ft (15.2 m) cable, and a mounting bracket.
Order number **B40-MB50 | F.01U.326.559**

**B40-P Outdoor puck antenna, cell, 6.5ft**
Order number **B40-P | F.01U.326.561**
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