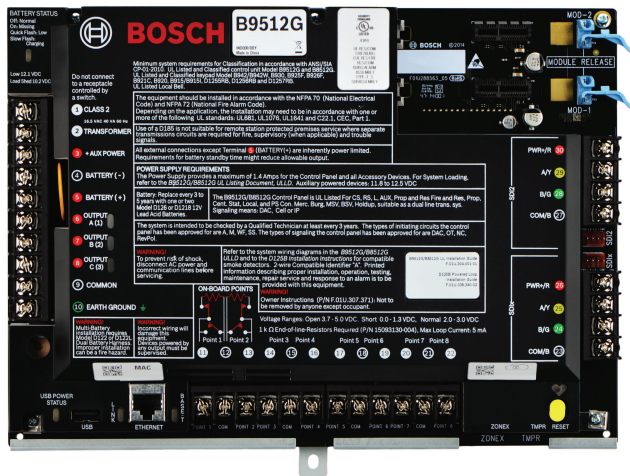


B9512G IP control panel, 32 areas, 599 points

G Series



- ▶ Fully integrated intrusion, fire, and access control allows users to interface with one system instead of three
- ▶ Provides up to 599 points using a combination of hardwired or wireless devices for installation flexibility, and up to 32 areas and 32 doors for up to 2,000 users
- ▶ On-board Ethernet port for Conettix IP alarm communication and remote programming, compatible with modern IP networks including IPv6/IPv4, Auto-IP, and Universal Plug and Play
- ▶ Installer-friendly features for simple installation and communications, including on-board USB for easy on-site RPS programming, plus support for Remote Connect Service (not available in Europe, the Middle East, or Africa), and plug-in PSTN and cellular communication modules for simple installation and communications
- ▶ Remote Security Control app which allows users to control their security systems - and view system cameras - remotely from mobile devices such as phones and tablets

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.

	B915/ B915I	B920/ B925F/ B926F / B926M	B921C	B930	B940W/ B942/ B942W
English	✓	✓	✓	✓	✓
Chinese	✓				✓
Dutch	✓	✓	✓	✓	✓
French	✓	✓	✓	✓	✓
German	✓	✓	✓	✓	✓
Greek	✓				✓

	B915/ B915I	B920/ B925F/ B926F / B926M	B921C	B930	B940W/ B942/ B942W
Hungarian	✓	✓	✓	✓	✓
Italian	✓	✓	✓	✓	✓
Polish	✓				✓
Portuguese	✓	✓	✓	✓	✓
Spanish	✓	✓	✓	✓	✓
Swedish	✓	✓	✓	✓	✓

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 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.

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.

	Installer Services Portal programming tool	RPS programming	RPS custom text*
English	✓	✓	✓

	Installer Services Portal programming tool	RPS programming	RPS custom text*
Chinese	✓		
Dutch	✓		✓
French	✓		✓
German	✓		✓
Greek	✓		
Hungarian	✓		✓
Italian	✓		✓
Polish	✓		
Portuguese	✓		✓
Spanish	✓		✓
Swedish	✓		✓

* 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

Region	Regulatory compliance/quality marks	
USA	ANSI-SIA	CP-01-2010-Control Panel Standard - Features for False Alarm Reduction
Australia	RCM	Regulatory Compliance Mark
	RCM	Regulatory Compliance Mark
	RCM	ACMA
Europe	CE	EMC, LVD, RoHS
USA	UL	Underwriters Laboratories
	UL	UL 294 - Standard for Access Control Units and Systems
	UL	UL 365 - Police Station Connected Burglar Alarm Units
	UL	UL 609 - Standard for Local Burglar Alarm Units and Systems

Region	Regulatory compliance/quality marks	
	UL	UL 636 - Holdup Alarm Units and Systems
	UL	UL 864 - Standard for Control Units and Accessories for Fire Alarm Systems (10th edition, not for -E version)
	UL	UL 985 - Household Fire Warning System Units (6th edition; not for -E version)
	UL	UL 1023 - Household Burglar Alarm System Units
	UL	UL 1076 - Proprietary Burglar Alarm Units and Systems
	UL	UL 1610 - Central Station Burglar Alarm Units
	UL	UL 1635 - Standard for Digital Alarm Communicator System Units
	FM	Central Station
	FM	Local Protective Signaling
	FM	Remote Station
	CSFM	California State Fire Marshal
	FCC	Part 15 Class B
	FDNY-CoA	Fire Department of New York City [B9512G, B9512G-E, B8512G, B8512G-E]
Canada	ULC	Underwriters Laboratories of Canada
	ULC	CAN/ULC S303 - Local Burglar Alarm Units and Systems
	ULC	CAN/ULC S304 - Standard for Signal Receiving Center and Premise Burglar Alarm
	ULC	CAN/ULC S545 - Residential Fire Warning System Control Units
	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)

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

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

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

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

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-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

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)

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

Parts included

Quantity	Component
1	Control panel
1	Hardware pack
1	Literature pack <ul style="list-style-type: none"> UL Installation Guide ULC Installation Guide Owner's Manual Release Notes SIA Quick Reference Guide
1	Literature CD containing product literature

Technical specifications

Properties

Dimensions	10.625 in x 7.75 in x 1.875 in (26.99 x 19.69 x 4.76 cm)
Weight	1.95 lbs (0.88 kg)

Communications

Ethernet	10/100 full duplex (N/A for "E" control panels)
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Environmental considerations

Relative humidity	5% to 93% at +32°C (+90°F)
Temperature (operating)	0°C to +49°C (+32°F to +120°F)

Power requirements

Current (maximum)	Standby: 180 mA Alarm: 260 mA
Output (alarm)	2 A at 12 VDC
Output (auxiliary, continuous power, and switched auxiliary combined)	1.4 A at 12 VDC nominal
Voltage (operating)	12 VDC nominal
Voltage (AC)	16.5 - 18 VAC

Wiring

Terminal wire size	12 AWG to 22 AWG (2.0 mm to 0.65 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****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****B520-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****B520-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**

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-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**

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**

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**

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**

B930 ATM Style-Alpha Numeric Keypad (SDI2)

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**

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**

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**

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**

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

Omnidirectional, low profile antenna for metallic indoor/outdoor surface mounting. Supports LTE, and 2G/3G/4G data communication. Operates over 698-960 MHz and 1710-2170 MHz bands.

Order number **B40-P | F.01U.326.561**

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-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, 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**

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

Omnidirectional, low profile antenna for metallic indoor/outdoor surface mounting. Supports LTE, and 2G/3G/4G data communication. Operates over 698-960 MHz and 1710-2170 MHz bands.

Order number **B40-P | F.01U.326.561**

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, 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**

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

Omnidirectional, low profile antenna for metallic indoor/outdoor surface mounting. Supports LTE, and 2G/3G/4G data communication. Operates over 698-960 MHz and 1710-2170 MHz bands.

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**

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