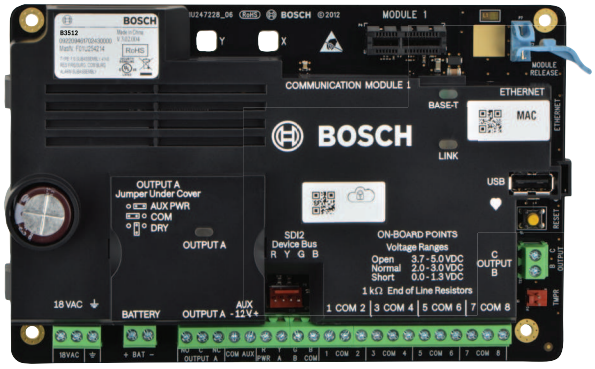
B3512 IP control panel, 16 points
B Series



- Provides up to 16 points using 8 on-board and 8 wireless points for installation flexibility with perimeter and interior control. Supports keypad points.
- 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 plug-in PSTN and cellular communication modules
- Programmable keypad shortcuts, situation sensitive on-screen help, and a bilingual user interface make system operation simple and easy

The B3512 Control Panel integrates intrusion and residential fire, providing one simple user interface for both systems. The B3512 provides up to 16 individually identified points in a single area.
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.
With the B3512, you can monitor doors, windows, and motion within areas like showrooms or those that hold inventory. Each user can have a personalized passcode, a wireless keyfob, and an access credential to control the system.
Use programmable authority levels with restricted privileges to provide service, security, and cleaning personnel with full or limited access. Use the three programmable outputs to turn on lights or lock and unlock doors. Users can:

- Turn on the system to secure the stock room while you conduct daily business.
- Perform tests to ensure your system is working properly.
- Set your system to alarm immediately if a door opens.
- Activate the Watch feature so a tone sounds whenever a customer enters.
- Set a schedule for your system to automatically turn on at closing time.
- Use wireless security options to customize your system.

Central monitoring stations provide 24-hour system monitoring with access to vital services. Professional security personnel can test the system, monitor system activity, and alert the police, fire department, or other emergency response teams if necessary.

Functions

Programmable outputs

- Three programmable on-board outputs; one high current using a relay, and two trigger outputs
- Output A, with a contact rating of 3 Amps, can supply up to 1.0 A total current from AUX PWR
- Outputs B and C sink up to 50 mA at 12 VDC
- 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.

System response

- High-performance micro-controller provides industry leading system response
- 20 custom point profiles
- Selectable point response time
- Cross point capability
- Fire alarm verification
- Dangerous gas indicator includes carbon monoxide (NFPA 720)
- Watch mode
- A scheduled event (SKED) to perform several functions, such as turn on (arm) the system, turn off (disarm) the system, bypass and unbypass points, and control relays

User interface

- Supervision of up to 4 keypads
- Custom keypad text is fully programmable through RPS
- Full function menu including custom functions
- Authority by area and 32 character name for each user
- 14 custom authority levels control user's authority to change, add, or delete passcodes to disarm or bypass areas; and to start system tests
- 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	✔				✔
Hungarian	✔	✔	✔	✔	✔
Italian	✔	✔	✔	✔	✔
Polish	✔				✔
Portuguese	✔	✔	✔	✔	✔
Spanish	✔	✔	✔	✔	✔
Swedish	✔	✔	✔	✔	✔

Area Re-Arm

For higher security applications, this 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 one custom function. A custom function allows customers to complete complex tasks with fewer keystrokes. For example, a custom function can bypass a group of points and arm the system, allowing the user to perform this function with one easy command. Installers can use custom functions to control a particular room. Customers activate a custom function with a keypad, with a keyfob, by faulting a point, or automatically as 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.

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.

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 10 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 that can be restricted to operate only during certain times. Programmable primary and secondary language by user and keypad; select from English, Chinese, French, Greek, Hungarian, Italian, Polish, Portuguese, and Spanish.

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.

IP communication
The control panel can use IP to communicate with a CONETTIX B6800 Central Station Software Receiver, a CONETTIX D6600 or a CONETTIX D6100 IPv6 communications receiver/gateway. Use one of the following for IP:
- The on-board Ethernet connection
- Ethernet Communication Module: B426
- Plug-in cellular communicator: B444-G/B444-A/B444-V/B444-A2/B444-V2

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 16 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. Alternatively, the firmware can be updated on-site using a USB stick containing the new panel firmware version.

A wide variety of input options
Each point:
- Accommodates normally-open (NO) and normally-closed (NC) devices with end-of-line (EOL) resistor supervision.
- Accepts programming for fire, gas, fire supervisory, or intrusion applications.
- Supports hardwired and wireless devices.

Security and fire detection
The control panel provides 8 on-board points, and up to 8 additional wireless points. You can program individual points to monitor burglar alarms, fire alarms, and supervision devices.

Event log
The event log stores local and reported events. The event log includes information such as 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.
The log stores up to 127 local and reported events.

Scheduled events (SKEDs)
The internal clock and calendar start a scheduled event (SKED). A SKED performs functions such as turn on or off, relay control, or point bypassing.
The control panel offers:

- One scheduled event with up to 25 different functions
- Two opening windows and two closing windows
- Two user group windows
- Day-of-week, date-of-month, or holiday only schedules
- One holiday schedule of 366 days (leap year)

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

	RPS programming	RPS custom text*
English	✔	✔
Dutch		✔
French		✔
German		✔
Hungarian		✔
Italian		✔
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 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.

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).

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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.

UL2050 (SCIF) Support
The B3512 can be used in UL2050 SCIF applications. Validation numbers 4342 and 2332 can be found on the NIST Advanced Encryption Standard Algorithm Validation List.

Regulatory information

Region	Regulatory compliance/quality marks	
USA	ANSI-SIA	CP-01-2010-Control Panel Standard - Features for False Alarm Reduction
Europe	CE	EMC, LVD, RoHS [B6512, B5512, B4512, B3512]
Brazil	ANATEL	04712-16-01855
USA	CSFM	California State Fire Marshal
	FCC	Part 15 Class B
Canada	IC	ICES-003 - Information Technology Equipment (ITE)
Australia	RCM	ACMA
USA	UL	Underwriters Laboratories
	UL	UL 365 - Police Station Connected Burglar Alarm Units
	UL	UL 609 - Standard for Local Burglar Alarm Units and Systems
	UL	UL 636 - Holdup Alarm Units and Systems
	UL	UL 985 - Household Fire Warning System Units (6th edition)
	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
Canada	ULC	Underwriters Laboratories of Canada S1871-20121210
	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

Installation/configuration notes

Notice

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

Keypads

B940W Touch screen KP, White (SDI2)

B942/B942W Touch Screen Keypad (SDI2)

B930 ATM Style Alphanumeric Keypad (SDI2)

B921C Two-line Capacitive Keypad (SDI2)

B920 Two-line Alphanumeric Keypad (SDI2)

B915/B915I Basic Keypad (SDI2)

Power

CX4010 Plug-in Transformer (18 VAC 22 VA 60 Hz)

ICP-TR1822-CAN Plug-in Transformer (110 VAC primary, 18 VAC 22 VA secondary)

DE-45-18 Transformer

D126 Standby Battery (12 V, 7 Ah)

D1218 Battery (12 V, 18 Ah)

D122 Dual Battery Harness

D122 Dual Battery Harness with long leads

Enclosures

B10 Medium Control Panel Enclosure

B11 Small Control Panel Enclosure

B12 Mounting Plate for D8103 Enclosure

B8103 Universal Enclosure (requires a B12)

D8108A Attack Resistant Enclosure (requires a B12)

D8109 Fire Enclosure (requires a B12)

D8108A-CE Attack Resistant Enclosure with Built-in Transformer (requires a B12)

B-ENCL-1 Metal Enclosure Kit (includes B12 and transformer)

Accessories

B56 Keypad Surface Mount Box

B96 Keypad Trim Bezel

B99 USB Direct Connect Cable

B501-10 Interconnect wiring cables (pack of 10)

Detectors

FCC-380 Carbon Monoxide Detector

F220-P: Photoelectric Smoke Detector

F-220-PTH: Photoelectric/Heat Detector

FCP-OT320 Multisensor Detector Optical/Thermal

FCP-O320 Optical Smoke Detector

FCH-T320 Heat 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

B201 2-wire Powered Loop Module

B426 Conettix Ethernet Communication Module

B430 Plug-in Communicator, Telephone

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

B810 wireless receiver (RADION)

B820 SDI2 Inovonics Interface Module

D113 Battery Lead Supervision Module

D125B Dual Class B Initiating Module

D129 Class A Initiating Module

D130 Auxiliary Relay Module

D132A Smoke Detector Reversing Relay Module

D134 Dual Relay Module

D135A Low Battery Disconnect Module

D185 Reverse Polarity Signaling Module

D192G Class “B”, Style Y Bell Circuit Supervision

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 v2.00)

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	Literature pack: • UL Installation Guide • ULC Installation Guide (English and French) • Owner's Manual

Quantity	Component
	• Release Notes • SIA Quick Reference Guide Quick Installation Guide
1	Literature CD containing product literature
1	Wiring label for enclosure door
1	Hardware pack: • Mounting clips • 1 kΩ EOL resistors • Battery wires • Four #6 x 3/4 in self threading screws

Technical specifications

Capacity

Number of points	16
Number of areas	1
Number of events	512
Number of users	11
Number of on-board outputs	3
Number of SKEDs	1
Number of custom functions	1

Electrical

Current consumption (mA)	125 mA – 155 mA
Maximum auxiliary output current (mA)	800 mA
Output current (A)	1.30 A
Nominal voltage (VDC)	12 VDC
Input voltage (VDC)	16.50 VDC – 18 VDC

Environmental

Operating temperature (°C)	0 °C – 49 °C
Operating temperature (°F)	32 °F – 122 °F
Operating relative humidity, non-condensing (%)	5% – 93%

Network

Ethernet type	10/100BASE-T

Ordering information

B3512 IP control panel, 16 points
Supports up to 16 points, 3 on-board outputs, and 1 area for intrusion, residential fire. On-board Ethernet.
Order number **B3512 | F.01U.323.783 F.01U.390.779 F.01U.416.972**

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**

B201 2-Wire Powered Loop
The module provides a single powered initiating device circuit. The module supports compatible 12 V 2-wire smoke detectors. It also supports connecting burglary devices to the control panel.
Order number **B201 | F.01U.323.798**

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** Asset Key **4011** Vepos **6845**

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**

CX4010 Transformer, plug-in, 18V 22VA
For use in North America. 110 VAC primary voltage input. 18 VAC, 22 VA secondary input.
Order number **CX4010 | F.01U.020.504**

ICP-TR1822-CAN Transformer, plug-in, 18V 22VA, Canada
For use in Canada. 110 VAC primary voltage input. 18 VAC, 22 VA secondary input.
Order number **ICP-TR1822-CAN | F.01U.005.574**

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**

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 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**

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**

B11 Steel enclosure, small, white
White, steel enclosure. Accepts an optional lock and tamper switch. Measures 27.8 cm x 25.9 cm x 8.32 cm (10.9 in x 10.2 in x 3.3 in).
Order number **B11 | F.01U.262.005**

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**

B-ENCL-1 Metal Enclosure kit w/transformer
White steel enclosure with installed 220 VAC transformer.
Order number **B-ENCL-1 | F.01U.322.491**

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 | 4.998.137.947 F.01U.246.707**

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

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.323.784 F.01U.385.667**

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.385.666 F.01U.315.437**

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**

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.323.787 F.01U.385.669**

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.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**

B426 Ethernet Communication Module
Supports two-way communications over Ethernet networks for compatible control panels

Order number	Asset Key	Vepos
B426 | F.01U.324.383 F.01U.414.222	**4235**	**7897**

B442 Plug-in cellular module, GPRS
Multi-function cellular communicator that provides IP communication over a (GPRS) cellular network

Order number	Asset Key	Vepos
B442 | F.01U.283.090 F.01U.385.514	**4235**	**8330**

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	Asset Key	Vepos
B443 | F.01U.323.796 F.01U.385.515	**4235**	**8336**

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. Only available in Canada.
Order number **B444-A | F.01U.385.518**

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**

Software Options

D5500CU Upgrade DVD
RPS software is available for free download on the RPS product page. It is also available on DVD-ROM.
Order number **D5500CU | 4.998.143.725**

Services

EWE-CTRCOM-IW 12 mths wrty ext Control Communicator
12 months warranty extension
Order number **EWE-CTRCOM-IW | F.01U.352.289**

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B11 Steel enclosure, small, white

www.boschsecurity.com

BOSCH
Invented for life

- Easy to install standoff location for mounting supporting modules
- Made with cold-rolled steel with a white matte finish
- Easy access locations for battery placement
- Optional taper switch mounting location

The B11 Small Control Panel Enclosure houses many Bosch control panels and modules. The enclosures are compatible with an enclosure tamper switch (D110 or ICP-EZTS), lock and key set (D101), and can hold one battery (up to 7 Ah).

Certifications and approvals

Region	Regulatory compliance/quality marks	
USA	UL	
	UL	S1871-19850314-CertificateofCompliance
	UL	UL 864 - Standard for Control Units and Accessories for Fire Alarm Systems (10th edition)
	UL	UL 985 - Household Fire Warning System Units (6th edition)
	CSFM	California State Fire Marshal
Canada	ULC	[D8108A, D8108AH, D8109, D8109G, D8109H, D8109L,B8103, D8103, B12, B10, B10R, B11, B11R

Installation/configuration notes

Compatibility

Control panels	B6512/B5512/B4512/B3512 B5512E/B4512E/B3512E
Devices	B450 Conettix Plug-in Communicator Interface B465 Conettix Universal Dual Path Communicator D101 Lock and Key Set ICP-EZTS Tamper Switch Set D110 Tamper Switch

Parts included

Quantity	Component
1	Enclosure
1	Hardware pack
1	Installation Manual

Technical specifications

Properties

Dimensions	(10.9 in x 10.2 in x 3.3 in) 27.8 cm x 25.9 cm x 8.32 cm
Weight	3.02 kg (6.6 lb.)
Material	0.7 mm (22 gauge) cold-rolled steel
Color	White

Environmental considerations

Mounting considerations	Mount in dry indoor locations.

Ordering information

B11 Steel enclosure, small, white
White, steel enclosure. Accepts an optional lock and tamper switch. Measures 27.8 cm x 25.9 cm x 8.32 cm (10.9 in x 10.2 in x 3.3 in).
Order number **B11**

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ICP-TR1822-CAN Plug-in Transformer

www.boschsecurity.com

BOSCH
Invented for life

- Provides efficient, constant power for compatible modules

For use in Canada.
110 VAC primary voltage input. 18 VAC, 22 VA secondary input.

Parts included

Quantity	Component
1	Transformer

Technical specifications

Rating	16.5 VAC, 40 VA
Color	Black

Ordering information

ICP-TR1822-CAN Plug-in Transformer
For use in Canada. 110 VAC primary voltage input. 18 VAC, 22 VA secondary input.
Order number **ICP-TR1822-CAN**

B920 2 Line Alpha Numeric Keypad (SDI2)

www.boschsecurity.com

BOSCH
Invented for life

- 2-line LCD display with up to 32 character point, user, and area names
- Simple menu-style user interface with dedicated function buttons for common commands, including status indication
- Situation sensitive on-screen help makes system operation simple and easy
- Highly visible on (arm)/alarm, ready to turn on (arm), power and gas alarm indicators
- Simple installation with self-locking base and chassis design, plus built-in bubble level

The B920 Two-line Alphanumeric Keypad (SDI2) is a SDI2 bus compatible device. Each keypad has user adjustable options such as volume and display brightness. The B920 shows two-line system messages for all areas.

Keypad languages
Available languages: English, Dutch, French, German, Hungarian, Italian, Portuguese, Spanish, Swedish.

System overview

- For commercial use, install the keypad in building entrances and areas with unrestricted access. Mounting a keypad near exterior doors in hotel or business lobbies allows people to identify the type and location of the emergency.
- For residential use, install the keypad near the front and rear entrances to the home. Install additional keypads in a kitchen or in a bedroom.
- Use multiple keypads in a large building with many separate areas of security. Program multiple keypads to control multiple areas.
- Audible tones from the keypad sounder alert personnel to fire events and assist fire fighters in locating the keypad.

Functions

LCD display
The keypad uses words, numbers, and symbols to show the status of the security system. When several events occur, the keypad shows each event in order of priority.

Keys
Each keypad has 10 number keys, 7 function keys, and 6 navigation keys. When pressed, keys turn on keypad backlighting and emit the keypress tone (short beep). The function keys include programmable function keys and keys to initiate arming and bypassing with one keypress.

Audible tones
The keypad has a built-in speaker that produces several distinct warning tones. The tones are differentiated so that the user can recognize an event

simply by hearing its associated tone. The keypad backlight illuminates when it emits an audible tone. Users can use a passcode to silence the tone.

Status indicators
The status indicators on the keypad provide a quick visual reference for system status.

✓	The indicator lights when the system is ready to turn on (arm).
	The indicator lights when the system is on (armed).
⚠	The indicator lights when there is a trouble condition.
GAS	The indicator lights when dangerous gases are present including carbon monoxide (NFPA 720).
	The indicator lights when the system has power.

Certifications and approvals

Region	Regulatory compliance/quality marks	
Australia	RCM	ACMA
Europe	CE	EMC, RoHS [B915, B920, B930, B430, B208, B308, B901]
USA	UL	
	UL	UL 365 - Police Station Connected Burglar Alarm Units
	UL	UL 609 - Standard for Local Burglar Alarm Units and Systems
	UL	UL 636 - Holdup Alarm Units and Systems
	UL	UL 985 - Household Fire Warning System Units (6th edition)
	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
	CSFM	California State Fire Marshal
	FCC	Part 15 Class B
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
	ULC	Underwriters Laboratories of Canada S1871-20121210
	IC	ICES-003 - Information Technology Equipment (ITE)

Installation/configuration notes

Mounting considerations
Mount in indoor, dry locations.

Power supply
A compatible control panel supplies the power and data requirements to the keypad through a four-wire connection.

Enclosure and wiring
The sliding self-locking enclosure has an integrated bubble level and custom gap-free, lift-gate style terminal blocks to make installation easier.

Compatible control panels
B9512G/B9512G-E
B8512G/B8512G-E
B6512
B5512/B5512E firmware v2.02 and higher
B4512/B4512E firmware v2.02 and higher
B3512/B3512E firmware v2.02 and higher
D9412GV4/D7412GV4 firmware v2.02 and higher

Parts included

Quantity	Component
1	Keypad
1	Hardware pack
1	Set of ABC key labels
1	Installation Guide
1	User's Quick Reference Guide

Technical specifications

Properties

Dimensions	158 mm x 120 mm x 26 mm (6.2 in x 4.7 in x 1 in)
Weight	11.3 oz (0.32 kg)
Material	Acrylonitrile butadiene styrene (ABS) Poly(methyl methacrylate) (PMMA)
Display window	2 line display 18 characters per line
Indicators	Illuminated keys Status indicators Warning and indicating tones

Environmental considerations

Relative humidity	5% to 93% at +32°C (+90°F) non-condensing
Temperature (operating)	0°C to +50°C (+32°F to +122°F)

Power requirements

Current	Standby:35 mA Alarm: 70 mA
Voltage (input)	12 VDC nominal

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): 305 m (1000 ft) - 22 AWG (0.65 mm)

Ordering information

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**

Accessories

B56 Keypad surface mount box
Surface mount box for mounting a keypad to concrete or block.
Order number **B56**

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**

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B430 Plug-in Communicator, Telephone

www.boschsecurity.com

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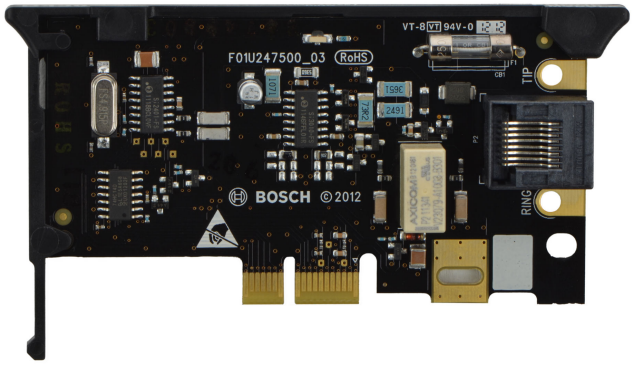

- Provides a single telephone line with RJ-45 connection for central station reporting and remote programming
- Easily configured for communications from Remote Programming Software (RPS) or a keypad, eliminating the need for separate configuration
- Easy two-step plug-in installation, troubleshooting, and maintenance

The B430 provides communication over the PSTN (Public Switched Telephone Network) by connecting the PSTN to the control panel. The module provides a single telephone jack, and easily installs into the control panel on-board plug-in module connector.

Functions

Central station reporting
The B430 supports reporting to a central station receiver through the telephone lines.
Remote programming of Bosch control panels
The B430 supports secure RPS programming of compatible Bosch control panels.

Certifications and approvals

Region	Regulatory compliance/quality marks	
Australia	RCM	ACMA
Europe	CE	EMC, RoHS [B915, B920, B930, B430, B208, B308, B901]
USA	UL	UL 365 - Police Station Connected Burglar Alarm Units
	UL	UL 636 - Holdup Alarm Units and Systems
	UL	UL 864 - Standard for Control Units and Accessories for Fire Alarm Systems (10th edition)
	UL	UL 985 - Household Fire Warning System Units (6th edition)
	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
	CSFM	California State Fire Marshal
	FCC	Part 15 Class B
	FCC	Part 68
	FDNY-CoA	6286 D7412GV4 D9412GV4 NYC COA 6286 2018-2021
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

Region	Regulatory compliance/quality marks	
	ULC	ULC-ORD C1076 - Proprietary Burglar Alarm Units and Systems
	ULC	Underwriters Laboratories of Canada S1871-20121210
	IC	ICES-003 - Information Technology Equipment (ITE)
Brazil	ANATEL	0139-18 [B430]

Installation/configuration notes

Mounting considerations

Connect the B430 Plug-in Telephone Communicator to any compatible control panel or interface module, which can then be mounted in a variety of enclosures for optimal situations.

Wiring considerations

The B430 connects to the control panel or interface modules without tools or physical wiring for power. It has an RJ-45 jack for plugging in the phone line (PSTN).

Communication speed

The module communicates at 2400 baud maximum.

Compatibility

Control panels	B9512G/B9512G-E B6512 B8512G/B8512G-E B5512/B5512E B4512/B4512E B3512/B3512E
Phone cords	D161 Dual Modular Telephone Cord
	D162 Modular Telephone Cord
Phone jack	D166 Telephone Jack

Parts included

Quantity	Component
1	B430 Plug-in Telephone Communicator
1	Literature pack

Technical specifications

Electrical

Current (maximum)	Standby: 24 mA Alarm: 24 mA
Voltage (operating)	12 VDC nominal

Mechanical

Dimensions	50 mm x 93.5 mm x 15.25 mm (2 in. x 3.68 in. x 0.60 in.)
Weight	0.6 kg (1.3 lb)

Environmental

Relative humidity	5% to 93% at +32°C (+90°F)
Temperature (operating)	0°C to +49°C (+32°F to +120°F)
FCC details	FCC registration number: ESVAL00BB430 Ringer Eq: 0.0B

Ordering information

B430 Plug-in Communicator, Telephone
Plug-in PSTN communication module for control panel to central station receiver communication.
Order number **B430**

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