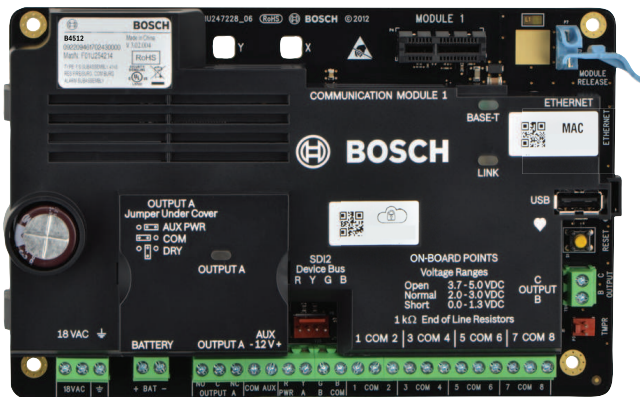


## B4512 IP control panel, 28 points

### B Series



- ▶ Provides up to 28 points using a combination of hardwired or wireless points for installation flexibility and 2 areas with perimeter and interior control
- ▶ On-board Ethernet port for Conetix 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
- ▶ 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
- ▶ Programmable keypad shortcuts, situation sensitive on-screen help, and a bilingual user interface make system operation simple and easy

The B4512 Control Panel integrates intrusion and residential fire, providing one simple user interface for both systems. The B4512 provides up to 28 individually identified points that can be split into 2 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. With the B4512, 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 (expandable up to 27) 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.

### Point response

- 20 custom point profiles
- Selectable point response time
- Cross point capability
- Fire alarm verification
- Dangerous gas indicator includes carbon monoxide
- Watch mode

### User interface

- Supervision of up to 8 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 custom functions
- 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	✓	✓	✓	✓	✓

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

### Area configurations

Area programming offers a wide selection of different system configurations. Make area arming conditional on other areas (master or associate), if desired. You can configure any area for perimeter and interior arming, not requiring a separate area for this function. 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.

**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 32 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 and 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 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 16 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.

**i 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, 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 20 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 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 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.

The log stores up to 127 local and reported events.

**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:

- Five scheduled events 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.

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.

**i 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	✓	✓	✓
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.

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](http://www.boschsecurity.com).
- Access to 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	ACMA
Europe	CE	EMC, LVD, RoHS [B6512, B5512, B5512E, B4512, B4512E, B3512, B3512E]
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; 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
	CSFM	California State Fire Marshal
Canada	FCC	Part 15 Class B
	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
	IC	ICES-003 - Information Technology Equipment (ITE)

Region	Regulatory compliance/quality marks	
Brazil	ANATEL	04712-16-01855

### Installation/configuration notes

#### **i** 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

B208 Octo-input 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

B810 wireless receiver (RADION)

B820 SDI2 Inovonics Interface Module	RFKF-FBS-A/RFKF-FBS four-button keyfob
D113 Battery Lead Supervision Module	RFKF-TBS-A/RFKF-TBS two-button keyfob
D125B Dual Class B Initiating Module	RFPB-SB-A/ RFPB-SB single-button panic
D129 Class A Initiating Module	RFPB-TB-A/RFPB-TB two-button panic
D130 Auxiliary Relay Module	RFRP-A/RFRP repeater
D132A Smoke Detector Reversing Relay Module	RFHT-A Wireless heat detector
D133/D134 Relay Module	RFSM2-A Wireless smoke detector
D135A Low Battery Disconnect Module	RFCO-A Wireless CO detector
D185 Reverse Polarity Signaling Module	RFPR-12-A/RFPR-12 PIR motion detector
D192G Class "B", Style Y Bell Circuit Supervision	RFPR-C12-A/RFPR-C12 PIR curtain motion detector

### 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 v2.00)

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

### 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 style="list-style-type: none"> <li>• UL Installation Guide</li> <li>• ULC Installation Guide (English and French)</li> <li>• Owner's Manual</li> <li>• Release Notes</li> <li>• SIA Quick Reference Guide</li> </ul> Quick Installation Guide
1	Literature CD containing product literature
1	Wiring label for enclosure door
1	Hardware pack: <ul style="list-style-type: none"> <li>• Mounting clips</li> <li>• 1 kΩ EOL resistors</li> <li>• Battery wires</li> <li>• Four #6 x 3/4 in self threading screws</li> </ul>

### Technical specifications

#### Communications

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

Relative humidity	5% to 93% at +90°F (+32°C), non-condensing
Temperature (operating)	+32°F to +122°F (0°C to +49°C)

#### Power requirements

Current draw (maximum)	Idle 125 mA; alarm 155 mA
Output (alarm)	1.3 A at 12 VDC
Output (auxiliary, continuous power, and switched auxiliary combined):	800 mA at 12 VDC nominal
Voltage (operating):	12 VDC nominal
Voltage (AC):	16.5 - 18 VAC

#### Number of...

Areas	2
Custom functions	2
Events	512
Passcode users	32, plus 1 installer passcode
Points	28 (8 on-board, up to 20 off-board and virtual)
Programmable outputs	27 (3 on-board, up to 24 off-board and virtual)
RF points	20
IP cameras	2
SKEDs	5

### Ordering information

#### B4512 IP control panel, 28 points

Supports up to 28 points, 3 on-board outputs, and 2 areas for intrusion, residential fire. On-board Ethernet.  
Order number Asset Key Vepos  
**B4512 | F.01U.323.782**  
**F.01U.390.778**

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

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

**EWE-EXMOD-IW 12 mths wrty ext Extension module**  
12 months warranty extension  
Order number Asset Key Vepos  
**EWE-EXMOD-IW | F.01U.352.312**



**EWE-PSUP2A-IW 12 mths wrty ext Power Supply 2.0 A**

12 months warranty extension

Order number                      Asset Key    Vepos  
**EWE-PSUP2A-IW | F.01U.352.294****EWE-RFREC-IW 12 mths wrty ext RF Receiver / Repeater**

12 months warranty extension

Order number                      Asset Key    Vepos  
**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                      Asset Key    Vepos  
**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                      Asset Key    Vepos  
**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                      Asset Key    Vepos  
**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                      Asset Key    Vepos  
**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                      Asset Key    Vepos  
**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                      Asset Key    Vepos  
**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                      Asset Key    Vepos  
**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                      Asset Key    Vepos  
**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                      Asset Key    Vepos  
**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                      Asset Key    Vepos  
**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                      Asset Key    Vepos  
**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                      Asset Key    Vepos  
**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                      Asset Key    Vepos  
**D101 | 4.998.800.200****ICP-EZTS Dual tamper switch**

Combination tamper switch with a wire loop for additional tamper outputs.

Order number                      Asset Key    Vepos  
**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                      Asset Key    Vepos  
**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                      Asset Key    Vepos  
**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                      Asset Key    Vepos  
**B520-C | F.01U.283.089****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                      Asset Key    Vepos  
**B201 | F.01U.323.798****B208 SDI2 8-Input Expansion Module**

Provides 8 programmable inputs.

Order number                      Asset Key    Vepos  
**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      Asset Key      Vepos

**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      Asset Key      Vepos

**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      Asset Key      Vepos

**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      Asset Key      Vepos

**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      Vepos  
4011      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      Asset Key      Vepos

**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      Asset Key      Vepos

**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      Asset Key      Vepos

**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      Asset Key      Vepos

**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      Asset Key      Vepos

**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      Asset Key      Vepos

**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      Asset Key      Vepos

**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      Asset Key      Vepos

**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      Asset Key      Vepos

**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      Asset Key      Vepos

**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      Asset Key      Vepos

**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      Asset Key      Vepos

**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      Asset Key      Vepos

**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      Asset Key      Vepos

**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      Asset Key      Vepos

**D101 Enclosure lock and key set**

Short-body lock set with one key supplied. Uses the D102 (#1358) replacement key.

Order number Asset Key    Vepos  
**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 Asset Key    Vepos  
**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 Asset Key    Vepos  
**ICP-EZTS | F.01U.217.038**  
**F.01U.003.526**

**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 Asset Key    Vepos  
**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 Asset Key    Vepos  
**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 Asset Key    Vepos  
**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 Asset Key    Vepos  
**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 Asset Key    Vepos  
**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 Asset Key    Vepos  
**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 Asset Key    Vepos  
**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 Asset Key    Vepos  
**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 Asset Key    Vepos  
**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 Asset Key    Vepos  
**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 Asset Key    Vepos  
**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 Asset Key    Vepos  
**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 Asset Key    Vepos  
**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 Asset Key    Vepos  
**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 Asset Key    Vepos  
**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                      Asset Key    Vepos  
**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                      Asset Key    Vepos  
**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                      Asset Key    Vepos  
**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                      Asset Key    Vepos  
**B942W | F.01U.323.789**  
**F.01U.395.924**

**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.386.952**      **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**

**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                      Asset Key    Vepos  
**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                      Asset Key    Vepos  
**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                      Asset Key    Vepos  
**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                      Asset Key    Vepos  
**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                      Asset Key    Vepos  
**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                      Asset Key    Vepos  
**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                      Asset Key    Vepos  
**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                      Asset Key    Vepos  
**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                      Asset Key    Vepos  
**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                      Asset Key    Vepos  
**B444-A | F.01U.374.184**  
**F.01U.385.518**

