

D2212B Control Panel

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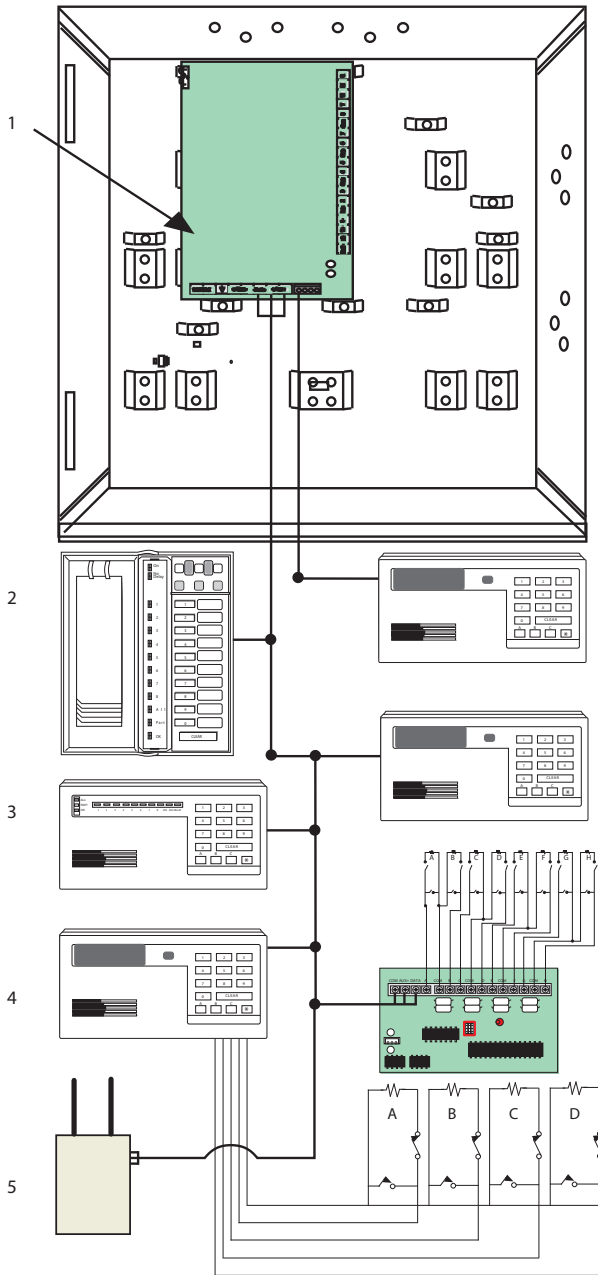
- ▶ Eight on-board points
- ▶ Up to 24 wired or wireless points
- ▶ Eight users and passcodes with three authority levels
- ▶ Two programmable on-board relay outputs (optional relays required)
- ▶ Alarm memory, two programmable telephone numbers, and flexible routing for event reporting

The 2000 Series D2212B Control Panel collects information from door, window, motion and other sensors located in your office, and communicates unusual activity to a monitoring station. At the monitoring station, professionals can alert the police, fire department, or other emergency response teams if necessary.

The D2212B Control Panel supports wireless motion detectors, contacts and keypads. Wireless devices save money on installation costs by eliminating the need to run wiring to each device. Use a wireless keypad to turn your system on or off from outside the protected premises. Use a wireless key fob to turn the system on or off, send a panic report, open a door, or turn on a light.

The D2212B Control Panel supports one-time passcodes for single-entry visitors such as maintenance workers or other service personnel. Use up to eight different passcodes for regular employees or frequent guests.

System overview



1. D2212B Control Panel
2. D202A Series LED Keypad
3. D220A Series LED Keypad
4. D222A Series LCD Keypad
5. D208RF or D216RF Receiver Expander
6. 200 Series Keypad
Use the D222A, D222AW, D223A, or D223AW LCD Keypads for local programming.
7. D223A Series LCD Keypad
8. D208 Hard-wire Expander

Functions

Points

The D2212B Control Panel has eight on-board points. It can expand to 24 points using any combination of hard-wired points and wireless devices. Use any combination of the following expanders (four maximum):

- D208 Hardwire Expander supports up to eight hard-wired points.
- D222A/D222AW Keypad supports up to four hard-wired points.
- D208RF Receiver Expander supports up to eight wireless devices.
- D216RF Receiver Expander supports up to 16 wireless devices.

Step Outside

Press the Clear button to temporarily disarm a door when you need open it to receive a delivery or step outside for a moment. Close the door and press the Clear button again to arm it.

Local or Remote Programming

Use keypads for local programming and use RPS for remote programming. Use a portable programmer device to locally download programs. An installer's keypad feature allows quick access to the programming menu. RPS is an account management and control panel-programming utility for the Microsoft Windows operating system. It is designed to remotely or locally set up and program specific control panels.

Report Routing Destinations

The 2212B Control Panel communicates over two telephone numbers for reporting events. The telephone numbers can have up to 19 digits. You can organize the events into 11 report groups and designate a telephone number as the primary or secondary destination to send reports for different types of events to different locations.

Communications Format

The Modem IIIa² communications format adds reporting capabilities such as actual point number, actual user number, bypassed points, and opening or closing reports by up to eight users.

Multiple Users and Passcodes

The D2212B Control Panel supports up to eight users and passcodes. The passcode can range between three to six digits. Assign passcodes one of three authority levels to control the amount of access each user has to system functions.

Outputs

Two programmable on-board relay outputs allow up to 24 preprogrammed output functions.

Certifications and approvals

Region	Certification
USA	UL D2212B: AMCX: Central Station Alarm Units (UL1610, UL1635), AOTX: Local Alarm Units (UL464, UL609), APAW: Police Station Alarm Units (UL365, UL464), APOU: Proprietary Alarm Units (UL1076), NBSX: Household Burglar Alarm System Units (UL1023), UTOU: Control Units and Accessories - Household System Type (UL985)
	UL D2212BLC: AMCX: Central Station Alarm Units (UL1610, UL1635), AOTX: Local Alarm Units (UL464, UL609), APAW: Police Station Alarm Units (UL365, UL464), APOU: Proprietary Alarm Units (UL1076), NBSX: Household Burglar Alarm System Units (UL1023), UTOU: Control Units and Accessories - Household System Type (UL985)
	UL D2212BLT: AMCX: Central Station Alarm Units (UL1610, UL1635), AOTX: Local Alarm Units (UL464, UL609), APAW: Police Station Alarm Units (UL365, UL464), APOU: Proprietary Alarm Units (UL1076), NBSX: Household Burglar Alarm System Units (UL1023)
	CSFM California State Fire Marshal (see our website)

Installation/configuration notes

Wiring Considerations

- Use a minimum of 1.5 m of 0.8 mm wire (5 ft of 22 AWG) when connecting devices (including keypads) mounted outside the enclosure.
- The maximum combined wire length for all devices connected to the Data and +Aux terminals is 152 m of 0.8 mm wire (500 ft of 22 AWG).

Fire and Fire/Burglary Requirements

Fire installations require a D132A Polarity Reversing Module or a D192C Notification Appliance Circuit Module. The alarm output for Fire or combined Fire/Burglary installations must be supervised. This can be accomplished using a D132A Polarity Reversing Module and compatible smoke detectors or using D192C Notification Appliance Circuit Module.

Compatible Products

Keypads	D202A Series Keypads (D202A and D202AW)
	D220A Series Keypads (D220A and D220AW)
	D222A Series Keypads (D222A and D222AW)

D223A Series Keypads (D223A and D223AW)

D279A Independent Zone Control

Detectors

OD850 Series Outdoor TriTech Detectors

Bosch conventional detectors include Blue Line, seismic, PIR, TriTech PIR Microwave, photoelectric, request-to-exit, and heat, and smoke.

Magnetic Contacts

All Bosch magnetic contacts, including recessed, terminal connection, miniature, overhead door, and surface mount.

Modules

C900V2 Dialer Capture Module

D127 Reversing Relay

D132A Polarity Reversing Module

D133 Single Relay Module

D134 Dual Relay Module

D135A Low Battery Cutoff Module

D168A Remote Telephone Arming Module

D169 Two-way Voice Verification Module

D192C Notification Appliance Circuit Module

D208 Hardwire Expander

Peripheral Hardware

rvm4c Remote Video Module

Programming

D5200 Programmer

SAFECOM Radio Communicators

SC2104 Series Slave Communicators

SC3100 Series Data Transfer Radio Communicators

SC4000 Series Full Data Transfer Radio Communicator

Wireless Products

Quik Bridge Learn Mode Loop Receiver 60-660-01-95R

D208RF Receiver Expander

D216RF Receiver Expander
Quik Bridge Learn Mode Repeater 60-615-10-319.5
Learn Mode Freeze Sensor 60-504-10-319.5
Learn Mode Wireless Heat Sensor (Alkaline Battery) 60-460-319.5
Learn Mode Wireless Heat Sensor (Lithium Battery) 60-460-319.5-LB
Learn Mode Wireless Smoke Sensor (Alkaline Batteries) 60-506-319.5
Learn Mode Wireless Smoke Sensor (Lithium Batteries) 60-506-319.5-LB
Wireless PIR Detector 60-511-01-95
Wireless PIR Detector with Pet Immunity 60-511-02-95
Learn Mode Single Technology Sound Sensor 60-459-319.5
Learn Mode Dual Technology Sound Sensor 60-834-95
Learn Mode Wireless Glass Guard Sensor (White) 60-462-10-319.5
Learn Mode Wireless Glass Guard Sensor (Brown) 60-462-11-319.5
Learn Mode Shock Sensors (White) 60-886-95
Learn Mode Shock Sensors (Brown) 60-886-11-95
Learn Mode Four-button Keychain Touchpad 60-606-319.5
Learn Mode Two-button Keychain Touchpad 60-607-319.5
Learn Mode Single Button Panic Sensor 60-458-10-319.5
Learn Mode Two-button Panic Sensor 60-457-10-319.5
Learn Mode Pendant Panic Sensor 60-452-10-319.5
Learn Mode Water Resistant Pendant Panic Sensor 60-578-10-95
Learn Mode Fire Pull Station 60-589-319.5

Parts included

D2212B Components	Quantity
D2212B Board	1

D2203 Enclosure	1
D1640 Transformer	1

Technical specifications

Communication

Telephone Interface:	RJ31X or RJ38X with D164 phone cord
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Environmental Considerations

Relative Humidity:	5% to 85% at +30°C (+86°F) non-condensing
Temperature (Operating):	0°C to +50°C (+32°F to +122°F)

Number of...

Keypads:	8
Points:	<ul style="list-style-type: none"> • 8 on-board • 2 unsupervised • Expandable to 24

Power Outputs

Alarm Power:	1.35 A maximum at 10.2 VDC to 13.9 VDC output. Output may be steady or pulsed depending on programming.
Auxiliary Power:	1.0 A maximum at 10.2 VDC to 13.9 VDC for devices powered at the Aux ⁺ terminal (140 mA for Fire and combined Fire/Burglary systems).
Continuous Power:	To comply with UL985 and UL864 for fire alarm applications, continuous power output is limited to 140 mA.
Total Power:	To comply with UL985 and UL864 for fire alarm applications, the total combined continuous and alarm current draw for the system during alarm conditions must be limited to 860 mA provided by the primary power supply (rectified AC).

Power Requirements

Operating Voltage:	16.5 VDC
Primary Voltage Input:	16.5 VAC, 40 VA provided by a Class 2, plug-in transformer (D1640)
Secondary Voltage Input:	12 VDC, 7 Ah sealed lead-acid rechargeable battery

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D2212B Kit Ordering Information

Components	Kits						
	D2212BLC	D2212BLT	D2212BM	D2212BC202A	D2212BC202AW	D2212BC220A	D2212BC220AW
D2212B Board	1	1	1	1	1	1	1
Universal Enclosure		1		1	1	1	1
D2402 Mounting Skirt			1				
D1640 Transformer				1	1	1	1
D202A Keypad				1			
D202AW Keypad					1		
D220A Keypad						1	
D220AW Keypad							1

Components	Kits			
	D2212BC222A	D2212BC222AW	D2212BC223A	D2212BC223AW
D2212B Board	1	1	1	1
Universal Enclosure	1	1	1	1
D1640 Transformer	1	1	1	1
D222A Keypad	1			
D222AW Keypad		1		
D223A Keypad			1	
D223AW Keypad				1

Ordering information

D2212B Control Panel

Includes one printed circuit board (PCB), one transformer, assorted literature, and assorted hardware.

Order number **D2212B**

D2212B Kit without Enclosure

Includes one PCB and assorted hardware. Requires an enclosure.

Order number **D2212BLC**

D2212B Kit without Transformer

Includes on PCB, one universal enclosure, and assorted hardware. Requires a transformer.

Order number **D2212BLT**

D2212B Kit with Mounting Skirt

Includes one PCB, one mounting skirt, assorted literature, and assorted hardware.

Order number **D2212BM**

D2212B Kit with Vertical LED Keypad

Includes one PCB, one enclosure, one transformer, and one vertical D202A LED Keypad.

Order number **D2212BC202A**

D2212B Kit with Vertical LED Keypad

Includes one PCB, one enclosure, one transformer, and one vertical D202AW LED Keypad.

Order number **D2212BC202AW**

D2212B Kit with LED Keypad

Includes one PCB, one enclosure, one transformer, and one LED D220A Keypad.

Order number **D2212BC220A**

D2212B Kit with LED Keypad

Includes one PCB, one enclosure, one transformer, and one D220AW LED Keypad.

Order number **D2212BC220AW**

D2212B Kit with LCD Keypad

Includes one PCB, one enclosure, one transformer, and one D222A LCD Keypad.

Order number **D2212BC222A**

D2212B Kit with LCD Keypad

Includes one PCB, one enclosure, one transformer, and one D222AW LCD Keypad.

Order number **D2212BC222AW**

D2212B Kit with LCD Keypad

Includes one PCB, one enclosure, one transformer, and one D223A LCD Keypad.

Order number **D2212BC223A**

D2212B Kit with LCD Keypad

Includes one PCB, one enclosure, one transformer, and one D223AW LCD Keypad.

Order number **D2212BC223AW**

Accessories**ICP-EZTS Dual Tamper Switch**

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

Order number **ICP-EZTS**

D101 Lock and Key Set

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

Order number **D101**

D126 Standby Battery (12 V, 7 Ah)

A rechargeable sealed lead-acid power supply used as a secondary power supply or in auxiliary or ancillary functions.

Order number **D126**

D160 Telephone Cord

A 2 m (7 ft) telephone cord with standard plug on one end.

Order number **D160**

D166 Telephone Jack

Standard Telco RJ31X Telephone Jack measuring approximately 5 cm (2 in.) square by 2.5 cm (1 in.) high.

Order number **D166**

D1218 Battery (12 V, 18 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 **D1218**

D1640 Transformer

System transformer rated at 16.5 VAC, 40 VA.

Order number **D1640**

D2203 Enclosure

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**

D2402 Mounting Plate

Required for mounting control panels in D8103, D8108A, or D8109 enclosures.

Order number **D2402**

D8103 Enclosure

Grey steel enclosure measuring 41 cm x 41 cm x 9 cm (16 in. x 16 in. x 3.5 in.).

Order number **D8103**

D8108A Attack Resistant Enclosure

Grey steel enclosure measuring 41 cm x 41 cm x 9 cm (16 in. x 16 in. x 3.5 in.). UL Listed. Includes a lock and key set.

Order number **D8108A**

D8109 Fire Enclosure

Red steel enclosure measuring 40.6 cm x 40.6 cm x 8.9 cm (16 in. x 16 in. x 3.5 in.). UL Listed. Includes a lock and key set.

Order number **D8109**

D1625 Transformer

A 16 VAC, 25 VA transformer required to power the D2212B and D2212BE Control Panels.

Order number **D1625**

D2803 Enclosure

Grey steel enclosure measuring 25.4 cm x 22.8 cm x 7 cm (10 in. x 9 in. x 2.8 in.)

Order number **D2803**

Software Options**RPS Kit (LPT)**

Account management and control panel-programming software with LPT connection.

Order number **D5500C-LPT**

RPS Kit (DVD-ROM and USB Security Block)

Account management and control panel programming software with USB security key (dongle).

Order number **D5500C-USB**

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