D2212BE Control Panel

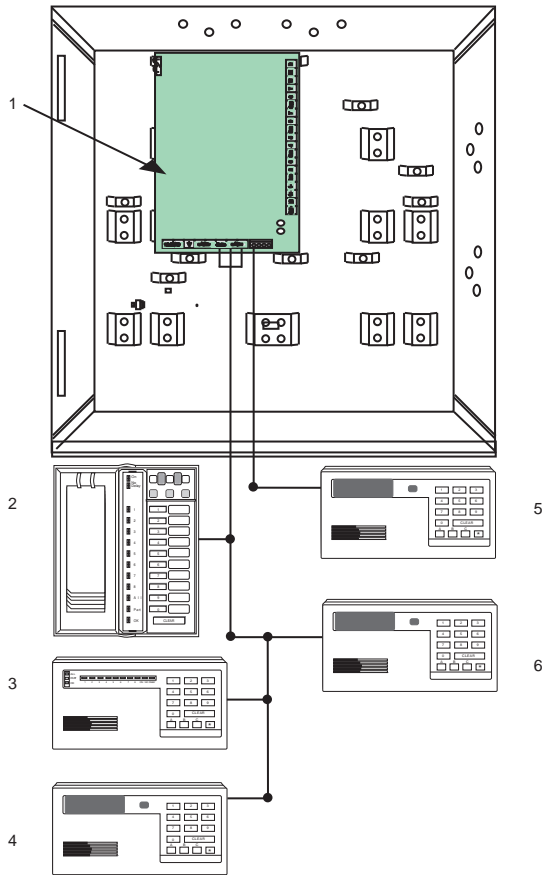www.boschsecurity.com

BOSCH
Invented for life

- ▶ Eight (maximum) on-board 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
- ▶ Exit momentarily without turning the entire system off

The 2000 Series D2212BE Control Panel collects information from door, window, motion and other sensors located in an 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 D2212BE 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. D2212BE Control Panel
2. D202A Series LED Keypad
3. D220A Series LED Keypad
4. D222A Series LCD Keypad
5. 200 Series Keypad
   Use the D222A, D222AW, D223A, or D223AW LCD Keypads for local programming.
6. D223A Series LCD Keypad

Functions

Points
The D2212BE Control Panel has eight (maximum) on-board points.

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 2212BE 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 IIIa[2] 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 D2212BE 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 eight preprogrammed output functions.

Certifications and approvals

Region	Certification	
USA	UL	D2212BE: 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	D2212BELC: 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	D2212BELT: 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.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.

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
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

Parts included

D2212BE Components	Quantity
D2212BE Board	1
D2803 Enclosure	1
D1625 Transformer	1

Technical specifications

Communications

Telephone Interface:	RJ31X or RJ38X with D164 phone cord

Environmental Considerations

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

Number of...

Keypads:	8
Points:	• 8 (maximum) on-board • 2 unsupervised

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:	500 mA 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:	• Minimum: 10.2 VDC • Maximum: 13.9 VDC
Primary Voltage Input:	16.5 VAC, 25 VA provided by a Class 2, plug-in transformer (D1625)
Secondary Voltage Input:	12 VDC, 7 Ah sealed lead-acid rechargeable battery

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D2212BE Kit Ordering Information

Components	Kits				
	D2212BELC	D2212BELT	D2212BEM	D2212BEC202A	D2212BEC202AW
D2212BE Board	1	1	1	1	1
Universal Enclosure		1		1	1
D2402 Mounting Skirt			1		
D1625 Transformer				1	1
D202A Keypad				1	
D202AW Keypad					1

Components	Kits			
	D2212BEC220A	D2212BEC220AW	D2212BEC223A	D2212BEC223AW
D2212BE Board	1	1	1	1
Universal Enclosure	1	1	1	1
D1625 Transformer	1	1	1	1
D220A Keypad	1			
D220AW Keypad		1		
D223A Keypad			1	
D223AW Keypad				1

Ordering information

D2212BE Control Panel
Includes one printed circuit board (PCB), one transformer, assorted literature, and assorted hardware.
Order number **D2212BE**

D2212BE Kit without Enclosure
Includes one PCB and assorted hardware. Requires an enclosure.
Order number **D2212BELC**

D2212BE Kit without Transformer
Includes on PCB, one universal enclosure, and assorted hardware. Requires a transformer.
Order number **D2212BELT**

D2212BE Kit with Mounting Skirt
Includes one PCB, one mounting skirt, assorted literature, and assorted hardware.
Order number **D2212BEM**

D2212BE Kit with Vertical LED Keypad
Includes one PCB, one enclosure, one transformer, and one vertical D202A LED Keypad.
Order number **D2212BEC202A**

D2212BE Kit with Vertical LED Keypad
Includes one PCB, one enclosure, one transformer, and one vertical D202AW LED Keypad.
Order number **D2212BEC202AW**

D2212BE Kit with LED Keypad
Includes one PCB, one enclosure, one transformer, and one LED D220A Keypad.
Order number **D2212BEC220A**

D2212BE Kit with LED Keypad
Includes one PCB, one enclosure, one transformer, and one D220AW LED Keypad.
Order number **D2212BEC220AW**

D2212BE Kit with LCD Keypad
Includes one PCB, one enclosure, one transformer, and one D223A LCD Keypad.
Order number **D2212BEC223A**

D2212BE Kit with LED Keypad
Includes one PCB, one enclosure, one transformer, and one D223AW LCD Keypad.
Order number **D2212BEC223AW**

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**

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**

D1625 Transformer
A 16 VAC, 25 VA transformer required to power the D2212B and D2212BE Control Panels.
Order number **D1625**

D2402 Mounting Plate
Required for mounting control panels in D8103, D8108A, or D8109 enclosures.
Order number **D2402**

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**

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**

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**