

D7212GV2 Control Panel



Security Systems



- Fully integrated intrusion and fire functions allow users to interface with one system instead of two
- NetCom IP based communication option provides high-speed, secure alarm transport and control
- Four programmable areas with perimeter and interior partitioning
- 40 points with flexible configuration options to meet application specific requirements
- Your choice of vacuum fluorescent or ATM style user interface command centers
- New user interface functions provide additional security and flexibility
- Up to 32 RF points

The D7212GV2 Control Panel provides an integrated solution for intrusion (commercial and residential) and residential fire alarm system applications. Monitor alarm points for intruder or fire alarms while operating user command centers and other outputs. The D7212GV2 Control Panel includes a communicator that sends event reports to selected public switched telephone network (PSTN) or IP network destinations through four programmable route groups. Program all system functions on-site through a D5200 Programmer or remotely through Remote Programming Software (RPS).

The D7212GV2 Control Panel provides up to 40 individually identified points. Each point accommodates normally-open and normally-closed devices with end-of-line (EOL) resistor supervision. Each point is programmable for fire, fire supervisory, or intrusion applications.

Note: The D7212GV2 Control Panel is available exclusively to Bosch Certified Security Dealers (BCSD).

Functions

Programmable Outputs

- 2 A alarm power at 12 VDC
- 1.4 A auxiliary power at 12 VDC
- Four alarm output patterns
- Automatic bell test
- Programmable bell shut-off timer
- Three on-board outputs, 24 off-board programmable outputs

System Response

- 31 custom point indexes, including fire supervisory
- Selectable point response time
- Cross point capability
- Fire alarm verification
- Watch mode
- Scheduled events (skeds) arm, disarm, bypass and unbyypass points, control relays, and control authority levels

Area Configurations

Area programming offers a wide selection of different system configurations. Each area is assigned an account number to define annunciation, control, and reporting functions. Multiple areas can be linked to a shared area which is automatically controlled (hallway or lobby). Area arming can be conditional on other areas (master or associate).

User Interface

- Supervises up to eight command centers (up to 32 non-supervised command centers can be used)
- Custom command center text
- Four custom functions
- Full function command menu including custom functions
- Each user has authority by area and 16-character name
- 14 custom authority levels control user's authority to change, add, delete passcodes, delete access control tokens, delete cards, disarm, bypass points, and initiate system tests
- Up to 40 programmable, scheduled events and up to 16 event functions for controlling relays, enabling passcodes and windows, and automatically arming and disarming areas
- Adjustable brightness or volume for command center display or sounder
- One parallel printer

The D7212GV2 provides on-premises point and system status annunciation. The fully selectable user interface customizes command center displays and allows users to create appropriate menu items and functions.

Function lists can help a user become familiar with the operation of the control panel and custom functions allow users to perform complex functions with a few keystrokes. Each function can be programmed and identified by sixteen characters of custom text and can contain up to 32 keystrokes.

Note: At least one command center per system is recommended.

Two Man Rule

Two Man Rule requires two unique passcodes on the same command center to disarm an area. Without the second passcode, the system denies entry. Two Man Rule requires the presence of two people at opening, providing added security.

Early Ambush

Early Ambush requires two passcode entries on the same command center. Enter the same passcode twice or have two unique passcodes, depending on the configuration. The first entry disarms the area and the second entry stops a timer programmed to send a duress event. If the second entry does not occur within the programmed time, the system generates a duress event. Early Ambush allows users to inspect the premises and use the system to confirm that the area is safe to enter, providing added security.

Easy Exit Control

The D7212GV2 Control Panel changes from one armed state to another armed state without disarming. For example, if you change the state from Master Arm to Perimeter 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

The system prompts users to enter a passcode prior to viewing the command center menu. The command center display shows the user the menu options allowed according to the user's authority level. Passcode-controlled menus provide users only with the options and information pertinent to them, simplifying system operation.

Passcode Follows Scope

Use Passcode Follows Scope to restrict passcode arming and disarming only to the command center's immediate local area, even if the command center can report events from other areas. Passcode follows scope simplifies the arming and disarming procedure without limiting any other command center command capabilities.

Passcodes

User passcodes contain three to six digits. Assign each user one of 14 customized authority levels in each area. Restrict passcodes to operate only during certain times. The Two Man Rule and Early Ambush options require two passcodes, providing additional security in financial establishments such as banks.

Communications

The D7212GV2 prioritizes and sends reports to four route groups. Each group has a programmable primary and backup destination.

The D7212GV2 works with the D6600 NetCom Communications System using a DX4020 Network Interface Module. It has programmable anti-replay anti-substitution features when using a DX4020.

The Modem IIIa² Communications Format, available with Bosch receivers, adds reporting capabilities such as:

- Individual point numbers and text
- Opening or closing reports by area number
- Remote programming attempts
- Diagnostic reports

Security and Fire Detection

The D7212GV2 Control Panel provides eight on-board points, and up to 32 additional off-board points (depending on model and expansion interfaces). You can program individual points to monitor all types of burglar alarms, fire alarms, and supervision devices.

Event Log

The event log stores up to 1,000 local and transmitted events. The event log includes time, date, event, area, point, and user number. View the event log from select command centers or remotely retrieve event information using RPS. RPS operators can retrieve events periodically using one phone call, rather than receiving several calls each day. When the event log reaches a programmed threshold of stored events, it can send an optional report to a receiver.

Scheduled Events (Skeds)

The internal clock and calendar start individually scheduled events (skeds). Skeds perform functions such as arm or disarm, relay control, or point bypassing. The D7212GV2 Control Panel offers:

- 40 scheduled events with up to 16 different functions available
- Eight opening windows and eight closing windows
- Eight user windows
- Day-of-week, date-of-month, or holiday only schedules
- Four holiday schedules of 366 days each (leap year)

Fire Test

When a user activates Fire Test Mode, the control panel suppresses all reports to the central station. The command center and annunciator show all testing data. An automatic sensor reset feature saves time; you do not need to reset the sensors manually. At the end of test, the command center shows the number of untested points.

Programming, Diagnostics and Controls

Users can program on-site with a D5200 Programmer, or program remotely through RPS. A programmable system passcode prevents unauthorized remote programming. D7212GV2 Control Panels accommodate up to four separate telephone numbers for primary, alternate, and backup receivers for automatic test reports.

When resetting alarms or arming or disarming a system, the user is identified by name and number.

Parts Included

D7212G Components	Quantity
D7212GV2 Board	1
Mounting Skirt	1
Faceplate with D7212GV2 Label	1

Certifications and Approvals

Note: The D7212GV2 Control Panel is designed to comply with the following certifications, standards, and approvals.

UL Standards	UL365, Police Station Burglar Alarm Units and Systems UL609, Local Burglar Alarm Units and Systems UL985, Household Fire Warning System Units UL1023, Household Burglar-alarm System Units UL1076, Proprietary Burglar Alarm Units and Systems UL1610, Central-station Burglar-alarm Units UL1635, Digital Alarm Communicator System Units
Approvals	FCC: AJ9MLU-46532-AL-E

Installation/Configuration Notes**Compatible Products**

Command Centers	D1260 Series Command Centers (D1260, D1260W, D1260R, D1260BLK, D1260B) D720 Series Command Centers (D720, D720W, D720R, D720B) D1255 Series Command Centers (D1255, D1255W, D1255R, D1255B) D1256 Fire Command Center D1257 Remote Fire Alarm Annunciator D279A Independent Zone Control
Communications Formats	Modem IIIa ²
Programming	BFSK D5200 Series Programmers Remote Programming Software (RPS)
Modules	C900TTL-E Dialer Capture Module D125B Dual Class B Initiating Module D127 Reversing Relay Module D129 Class A Initiating Module D130 Auxiliary Relay Module D185 Reverse Polarity Signaling Module D192C Notification Appliance Circuit Module D192G Notification Appliance Circuit Module D5060 MUX Programmer D8125 POPEX Point Expander D8128D OctoPOPIT Eight Point Expander D8125MUX Point Expander D8129 Octo-relay Module D9127 Series POPIT Modules D9131A Parallel Printer Interface Module DS7432 Eight-input Remote Module DS7457i Series Single Zone Multiplex Input Modules

Modules (Continued)	DS7460i Two-input Module
	DS7461i Single-input Multiplex Module
	DS7465i Input and Output Module
	DX4010i RS-232 Serial Interface Module
	DX4020 Network Interface Module
Peripheral Hardware	rvm4c Remote Video Module
Detectors	D278S Four-wire Addressable Detector Base
	D285/TH Photoelectric Smoke Detector Heads
	D298S Addressable Detector Base
	D462 Addressable Manual Station
	MX250 Series Smoke Detectors
	MX775i Addressable PIR Detector
	MX794i Long Range Multiplex PIR Detector
	MX934i Addressable PIR Detector
	MX938i Addressable PIR Detector
	ZX776Z PIR Detector
	ZX794Z Long Range PIR Detector
	ZX835 TriTech Microwave/PIR Detector
	ZX935Z PIR Detector
	ZX938Z PIR Detector
	ZX970 PIR/Microwave Detector
	Bosch conventional detectors include Blue Line, seismic, PIR, TriTech PIR Microwave, photoelectric, heat, and smoke.
Magnetic Contacts	Bosch magnetic contacts include recessed, terminal connection, miniature, overhead door, and surface mount.

Wireless Products	D8125INV Wireless Interface
	FA113 Keychain Remote Control
	FA116 Executive Programmer
	FA202 Wireless Smoke Detector and Transmitter
	FA203S Necklace Pendant Transmitter (Single-button)
	FA203D Necklace Pendant Transmitter (Double-button)
	FA204 Necklace Pendant Transmitter
	FA205S Belt Clip/Loop Transmitter (Single-button)
	FA205D Belt Clip/Loop Transmitter (Double-button)
	FA206DS PIR Transmitter
	FA206i PIR Transmitter
	FA207 Glass Break Detector
	FA209 Billtrap Transmitter
	FA210 Universal Transmitter (Off-white)
	FA210W Universal Wide Gap Transmitter with Internal Reed Switch (Off-white)
	FA216L Low Temperature Transmitter
	FA216H High Temperature Transmitter
	FA223S Water-resistant Pendant (White Single-button)
	FA223D Water-resistant Pendant (Black Double-button)
	FA250 High-power Universal Transmitter
FA400 Remote Receiver	
FA404R Transmitter Receiver	
FA416R Transmitter Receiver	
FA570 High Power Indoor Repeater	
FA575 High Power Indoor/Outdoor Repeater	
SAFECOM Radio Communicators	SC2104 Series Slave Communicators
	SC3100 Series Data Transfer Radio Communicators
	SC4000 Series Full Data Transfer Radio Communicator

Technical Specifications**Enclosures**

- D8103 Universal
- D8108A Attack Resistant
- D8109 Fire

Communications

SDI Bus A (+):	9 VDC 4572 m (15,000 ft)
SDI Bus B (-):	9 VDC 4572 m (15,000 ft)
Telephone Connection:	RJ31X or RJ38X

Environmental Considerations

Relative Humidity:	5% to 85% at +30°C (+86°F), non-condensing
Temperature (Operating):	0°C to +50°C (+32°F to +120°F)

Number of...

Areas:	4
Custom Functions:	4
Programmable Relay Outputs:	27
Events:	Store up to 1,000
Parallel Printers:	1
Passcode Users:	99, plus 1 service passcode
Points:	40 (eight on-board, up to 32 off-board)
RF Points:	32
SKEDs:	40

Power Requirements

Current Draw (Minimum):	200 mA
Current Draw (Maximum):	500 mA
Output (Alarm):	2 A at 12 VDC
Output (Auxiliary, Continuous Power, and Switched Auxiliary combined):	1.4 A at 10.2 VDC to 13.9 VDC
Voltage (Operating):	12 VDC
Voltage (AC):	16.5 VAC 40 VA plug-in transformer (D1640)
Voltage (DC):	<ul style="list-style-type: none"> • Up to 2 12 VDC, 7 Ah sealed lead acid rechargeable batteries • Up to 2 12 VDC, 18 Ah sealed lead acid rechargeable batteries

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Ordering Information

D7212GV2 Control Panel	D7212GV2
D7212GV2 Kit with D1255 Keypad	D7212GV2K1
D7212GV2 Kit with D1255W Keypad	D7212GV2K1W
D7212GV2 Kit with D1260 Keypad and DS835i Detector	D7212GV2K2
D7212GV2 Kit with D1255 Keypad and D9127U POPIIT	D7212GV2K3
D7212GV2 Kit with D1255W Keypad and D9127U POPIIT	D7212GV2K3W
D7212GV2 Kit with D1260 Keypad and D9127U POPIIT	D7212GV2K4
D7212GV2 Kit with D1255 Keypad and DX4020 Network Interface Module	D7212GV2K5
D7212GV2 Kit with D1255W Keypad and DX4020 Network Interface Module	D7212GV2K5W
D7212GV2 Kit with D1260 Keypad	D7212GV2K6
D7212GV2 Kit with D1255 Keypad and DS835i Detector	D7212GV2K7
D7212GV2 Kit with D1260 Keypad and DS835i Detector	D7212GV2K8

Hardware Accessories

D101 Lock and Key Set	D101
D110 Tamper Switch	D110
D122 Dual Battery Harness	D122
D122L Dual Battery Harness with Long Leads	D122L
D126 Standby Battery (12 V, 7 Ah)	D126
D137 Mounting Bracket	D137
D138 Mounting Bracket, Right Angle	D138
D1218 Battery (12 V, 18 Ah)	D1218
D1224 Battery (12 V, 24 Ah)	D1224
D1238 Battery (12 V, 38 Ah)	D1238
D1240 Battery (12 V, 4 Ah)	D1240
D1640 Transformer	D1640
D8103 Enclosure	D8103
D8108A Attack Resistant Enclosure	D8108A
D9002-5 Mounting Skirt	D9002-5
D136 Plug-In Relay	D136

Software Options

RPS D5500C-LPT Kit	D5500C-LPT
RPS D5500C-USB Kit	D5500C-USB

D7212GV2 Control Panel Kit Overview

	Kits	D7212GV2K1	D7212GV2K1W	D7212GV2K2	D7212GV2K3
Components					
D7212GV2 Board		1	1	1	1
D101 Lock and Key Set		1	1	1	1
D1255 Keypad		1			1
D1255W Keypad (White)			1		
D1260 Keypad				1	
D1640 Transformer		1	1	1	1
D8103 Enclosure		1	1	1	1
D8125 Addressable Expansion Module					1
D9127U POPIT Module without Tamper					10
DS835i PIR Detector		2	2	2	

	Kits	D7212GV2K3W	D7212GV2K4	D7212GV2K5	D7212GV2K5W
Components					
D7212GV2 Board		1	1	1	1
D101 Lock and Key Set		1	1	1	1
D1255 Keypad				1	
D1255W Keypad (White)		1			1
D1260 Keypad			1		
D1640 Transformer		1	1	1	1
D8103 Enclosure		1	1	1	1
D8125 Addressable Expansion Module		1	1		
D9127U POPIT Module without Tamper		10	10		
DX4020 Network Interface Module				1	1

	Kits	D7212GV2K6	D7212GV2K7	D7212GV2K8
Components				
D7212GV2 Board		1	1	1
D101 Lock and Key Set		1	1	1
D1255 Keypad			1	
D1260 Keypad		1		1
D1640 Transformer		1	1	1
D8103 Enclosure		1	1	1
DS835i PIR Detector			1	1
D8128D OctoPOPIT Eight-Point Expander			1	1
DX4020 Network Interface Module		1		

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