

# G Series Security Controls

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### Tradition of quality and innovation

For over 100 years, the Bosch name has stood for quality and reliability. Bosch Security Systems proudly offers a wide range of fire, intrusion, CCTV, management and communication systems and components to help you find the solution for any application. We are the global supplier of choice for innovative technology backed by the highest level of service and support. When you need solutions you can rely on, choose Bosch.



Commercial application and product information

Security you can rely on.



Security you can rely on.





Authorized users can arm individual areas for independent control at any hour with the flexible G Series security controls

## G Series Security Controls

### The Ultimate Security Controls for Your Business

The G Series security controls are simply the best. They provide an integrated solution for Security, Fire Alarm System and Access Control applications. The panels are capable of monitoring alarm points for intruder or fire alarms, while operating user command centers and other outputs. The G Series panels include a built-in digital communicator, which reports events to selected destinations. Programming and accessory modules offer flexibility and beneficial features rarely found in other security control systems. You'll enjoy the benefits of our innovation, dedication, and reliability.

### Flexible & Easy

The G Series can be used in a variety of applications as powerful intrusion alarm controls, UL Listed fire alarm controls, integrated access control systems, building

device controllers and much more. Wireless and two types of addressable expansion modules, loops and accessories are available (POPEX and MUX). This allows for a variety of installation choices. Although the G Series includes some of the most robust security controls ever developed, they are remarkably simple to learn and easy to use. These systems are the ultimate security controls for commercial, industrial or institutional installations where a flexible installation and easy-to-use system is required.

### Control Capabilities

The G Series can identify individual motion sensors, glass-break sensors or door contacts. The possibilities are limitless for situations requiring specific identification of multiple doors, windows, smoke detectors or other types of addressable sensors. Pin-point an alarm or trouble and communicate to your central

### Accessories

Control and monitor a wide range of security and environmental equipment or appliances, including:

- Smoke detectors
- Motion sensors
- Indoor and outdoor lighting
- Gates
- Thermostats
- Doors and windows
- Heating and air conditioning
- Office appliances
- Sprinklers
- Sirens and bells
- Surveillance control
- Process monitoring

- Phone line supervision

### Listings and Approvals

- Underwriters Laboratories (UL)
    - Commercial Burglary
      - Local
      - Police Station Connect
      - Central Station, Grades B & C
    - Commercial Fire (D9412G/D7412G)
      - Local
      - Remote Station
      - Central Station
    - Household Burglary and Household Fire
  - California State Fire Marshal (CSFM)\*
  - City of New York Department of Buildings (MEA)\* (D9412G/D7412G)
- \*D7212G Household Fire Warning, pending

### D9412G/D7412G Technical Specifications

Communications	SDI Bus A (+): 9 VDC 15000 ft. (4572 m), SDI Bus B (-): 9 VDC 15000 ft. (4572 m), Telephone Connection: 2 TelCo lines, D928 Dual Phone Line module, required for 2 phone lines; D9133TTL-E for Internet/intranet communications
Enclosures	D8103 Universal, D8108A Attack Resistant, D8109 Fire
Environmental Considerations	Relative Humidity: 5-85% at 86°F (30°C), non-condensing Temperature (Operating): +32°F to +122°F (0°C to +50°C)
Indicators	On-board CPU watchdog, warning buzzer and diagnostic LEDs
Power Requirements	Output (Alarm): 2 amp @ 12 VDC Output (Auxiliary): 1.4 amp @ 10.2 VDC to 13.9 VDC Output (Continuous Power): 1.4 amp @ 10.2 VDC to 13.9 VDC Output (Switched Auxiliary): 1.4 amp @ 10.2 VDC to 13.9 VDC Minimum Voltage (Operating): 10.2 VDC Voltage (AC): 16.5 VAC 40 VA Class 2 plug-in transformer (D1640) Voltage (DC): Up to two 12 VDC, 7 Ah sealed lead acid rechargeable batteries Up to two 12 VDC, 18 Ah sealed lead acid rechargeable batteries

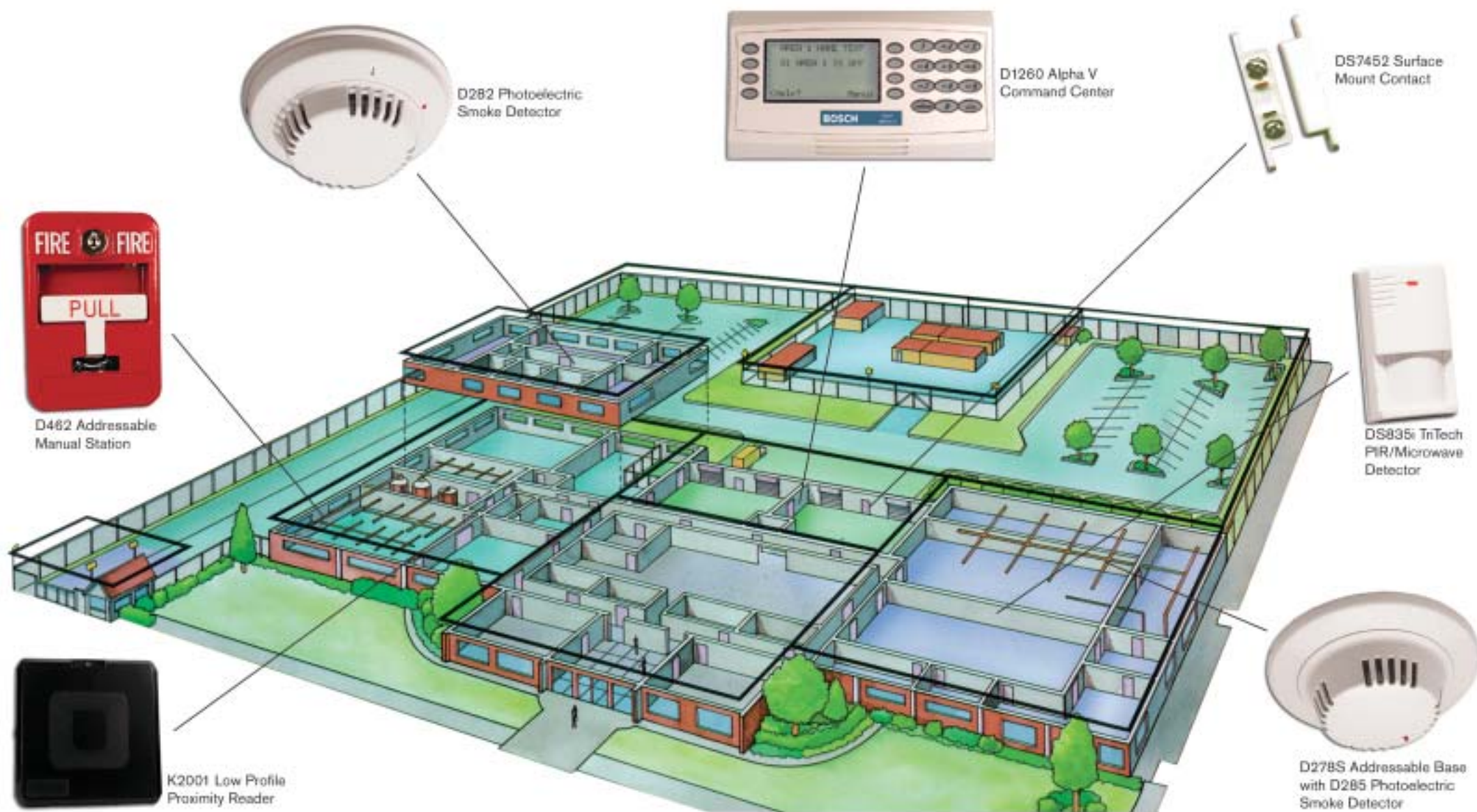
### D7212G Technical Specifications

Communications	SDI Bus A (+): 9 VDC 15000 ft. (4572 m), SDI Bus B (-): 9 VDC 15000 ft. (4572 m), Telephone Connection: RJ31X or RJ38X jack; D9133TTL-E for Internet/intranet communications
Enclosures	D8103 Universal, D8108A Attack Resistant, D8109 Fire
Environmental Considerations	Relative Humidity: 5-85% at 86°F (30°C), non-condensing Temperature (Operating): +32°F to +122°F (0°C to +50°C)
Indicators	On-board CPU watchdog warning buzzer and diagnostic LEDs
Power Requirements	Output (Alarm): 2 amp @ 12 VDC Output (Auxiliary): 1.4 amp @ 10.2 VDC to 13.9 VDC Output (Continuous Power): 1.4 amp @ 10.2 VDC to 13.9 VDC Output (Switched Auxiliary): 1.4 amp @ 10.2 VDC to 13.9 VDC Minimum Voltage (Operating): 10.2 VDC Voltage (AC): 16.5 VAC 40 VA Class 2 plug-in transformer (D1640) Voltage (DC): Up to two 12 VDC, 7 Ah sealed lead acid rechargeable batteries Up to two 12 VDC, 18 Ah sealed lead acid rechargeable batteries

# G Series Accessories and Solutions

Secure up to eight separate areas with a single G Series Security Control. You can easily arm and disarm one area without affecting the security of adjoining areas. This advanced security feature is ideal for multi-tenant

complexes, medical buildings, neighborhood shopping centers, or for any facility with separate offices, rooms or departments. It's like having up to eight security controls in one... all conveniently monitored by one master control.



### Command Center Options

- The brass, flush-mount faceplate blends into the most elegant décor.
- The flush-mount, stainless steel faceplate provides a clean, modern look.
- A convenient desk stand keeps system control within reach.
- All models are available in white, off-white and red to suit individual applications.



### G Series Accessories



**D1255 Alpha IV Command Center**  
Easy to use and read, the keys conveniently light when pressed while the text display gives you precise information regarding alarms and programming. Visual, audio and tactile feedback is combined with the added benefit of emergency keys for quick system activation when needed.



**D1260 Alpha V Command Center**  
Features an illuminated keypad with 4 line by 20 character display. The speaker emits eight distinct warning tones to identify specific alarms or events. The keypad is intuitive and easy to use. An on-board help menu and walk through setup guide eliminates the need for a manual.



**D720 LED Command Center**  
Provides system status information through eight LEDs and a built-in sounder. Easy to read and use, you can control your system at any time, including at night, with keys that illuminate when pressed. Emergency keys allow for quick system activation when necessary.

# G Series Commercial Security Controls

## Control Model Capabilities

The G Series consists of three models designed to fit your needs.

- D7212G
  - 4 areas/partitions
  - 99 users
  - 27 outputs
  - 40 points
  - 1 printer
- D7412G
  - 8 areas/partitions
  - 99 users
  - 67 outputs
  - 2 access doors
  - 75 points
  - 1 printer
  - 396 access IDs
- D9412G
  - 8 areas/partitions
  - 249 users
  - 131 outputs
  - 8 access doors
  - 246 points
  - 3 printers
  - 996 access IDs

## Features and Benefits

- Microprocessor-based alarm control and reporting
  - Cost-effective, add-on capability
  - Integrated fire alarm control\*
  - Integrated access control (D9412G/D7412G)
  - Remote control capability
  - Advanced lightning, surge protection
  - Pinpoints alarm sources
  - Activates each point individually
  - Controllable outputs for individual devices
  - Up to three on-site printers
  - 4 area types (regular, associate, master, shared)
  - Up to 32 command centers
  - LAN/WAN compatibility with D6600 NetCom System
  - Two types of addressable devices
  - Wireless compatible
- \*D7212G UL Listed Household Fire Warning

## Authority Levels

Select the level of control for each user. The G Series is designed to allow authorized employees to change settings as the needs of individual departments change. With up to 15 different authority levels, users can be assigned to different levels in each area. Changes and other activities are stored for review by security or executive personnel.

## Minimize False Alarms

The G Series minimizes false alarms through several methods. A programmed entry delay lets you decide how much time you'll need to disarm your system. In the event of a user error, programmable cancel reports may be used. Simplified arming routines allow for far fewer mistakes by authorized system users.

## 1000-Event History

Up to 1000 events including alarms, cancels, troubles, restorals, openings and closings are stored in the control memory. At your option, events may be immediately reported to the central station.

## Printouts

You have the option of printing out user, service, and alarm activity records at your facility. Choose the types of events you want printed for review. User arming, disarming, after-hours use, alarm problem locations, and many other events may be tracked and audited by authorized individuals.



monitoring station's operators so emergency or service personnel can be dispatched promptly to the exact location.

## Fire Alarm Control

A programmable Alarm Verification feature permits an individual point used for connection of a smoke detector to provide a predetermined alarm response delay and verification before an alarm is initiated. This option minimizes unwarranted alarms resulting from detection of non-alarm smoke conditions and is becoming a code requirement in many parts of the United States.

Individual points of detection can include waterflow switches, valve tamper devices, heat or smoke sensors, manual pull stations and more. You can be alerted to events such as boiler safety shutdown or sump pump failures in order for corrective action to be taken.

## Process Monitoring

You get much more than superb security control and monitoring. Each panel can also serve as a central programmable control for environmental devices such as thermostats, lighting, heating and air conditioning or fluid levels. Program and install these devices during system installation or later as needs dictate.

## Access Control

Control and monitor the movement of people or vehicles through secured access points such as doors, turnstile and parking lot barriers. The G Series can include control for up to eight independently configured access control doors using 26 bit Wiegand cards and readers. Up to 996 individual access IDs are linked to users to provide time-based control of who goes where and when. Manual and automatic door controls can provide free access through selected doors while the building is open for business.

## System Scheduling

Different people may require access to your building at different hours. With individual passcodes the G Series controls let you schedule system activities to fit your company's traffic patterns. Programmable functions include control of passcodes, relays for lighting and electronic door and window locks. Your system may automatically arm or disarm itself and monitor the security status of individual points of detection.

## Advanced Network Capabilities

The G Series can be configured to communicate with a central station's D6600 receiver over a Local or Wide Area Network (LAN/WAN) using UDP protocol. This configuration is CSFM and UL Listed for commercial fire applications (D9412G/D7412G). Significantly reduce phone line charges as well as provide remote system control to arm your system, change its programming, and change employee passcodes if needed.

## Outstanding Service, Unbeatable Support

Bosch Security Systems products and systems are sold and serviced by the finest dealers in the industry. Factory trained and certified, our dealers provide expert, professional service to help you maintain your system for optimum performance.

For more information on the G Series Control Panels, contact your local security dealer.

