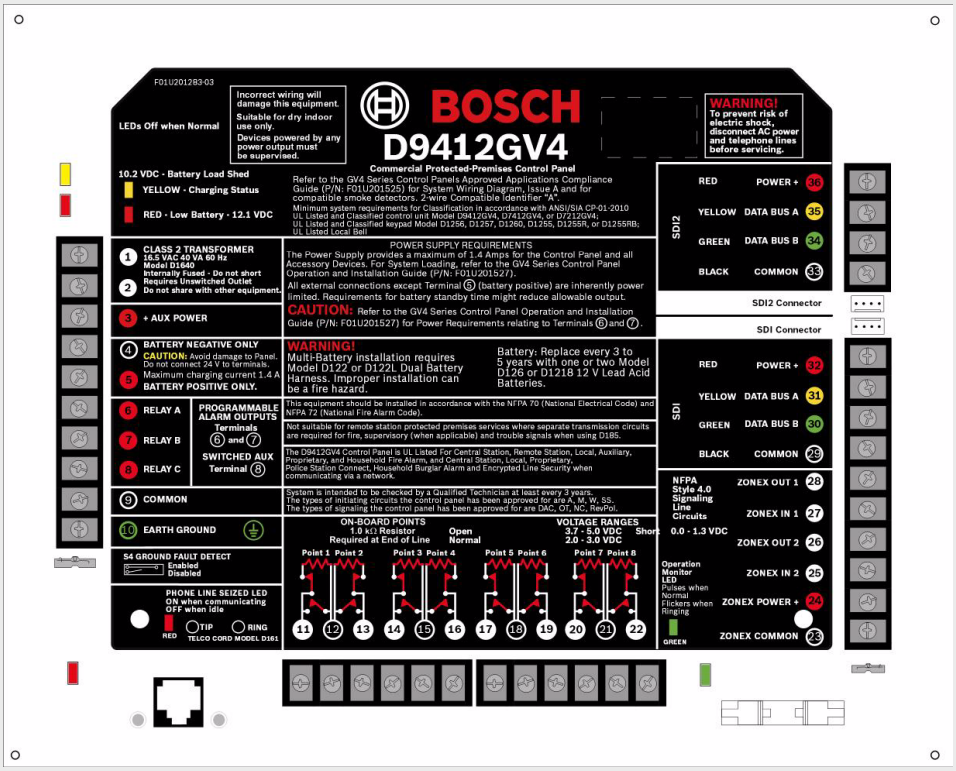


D9412GV4/D7412GV4/D7212GV4

Control Panels

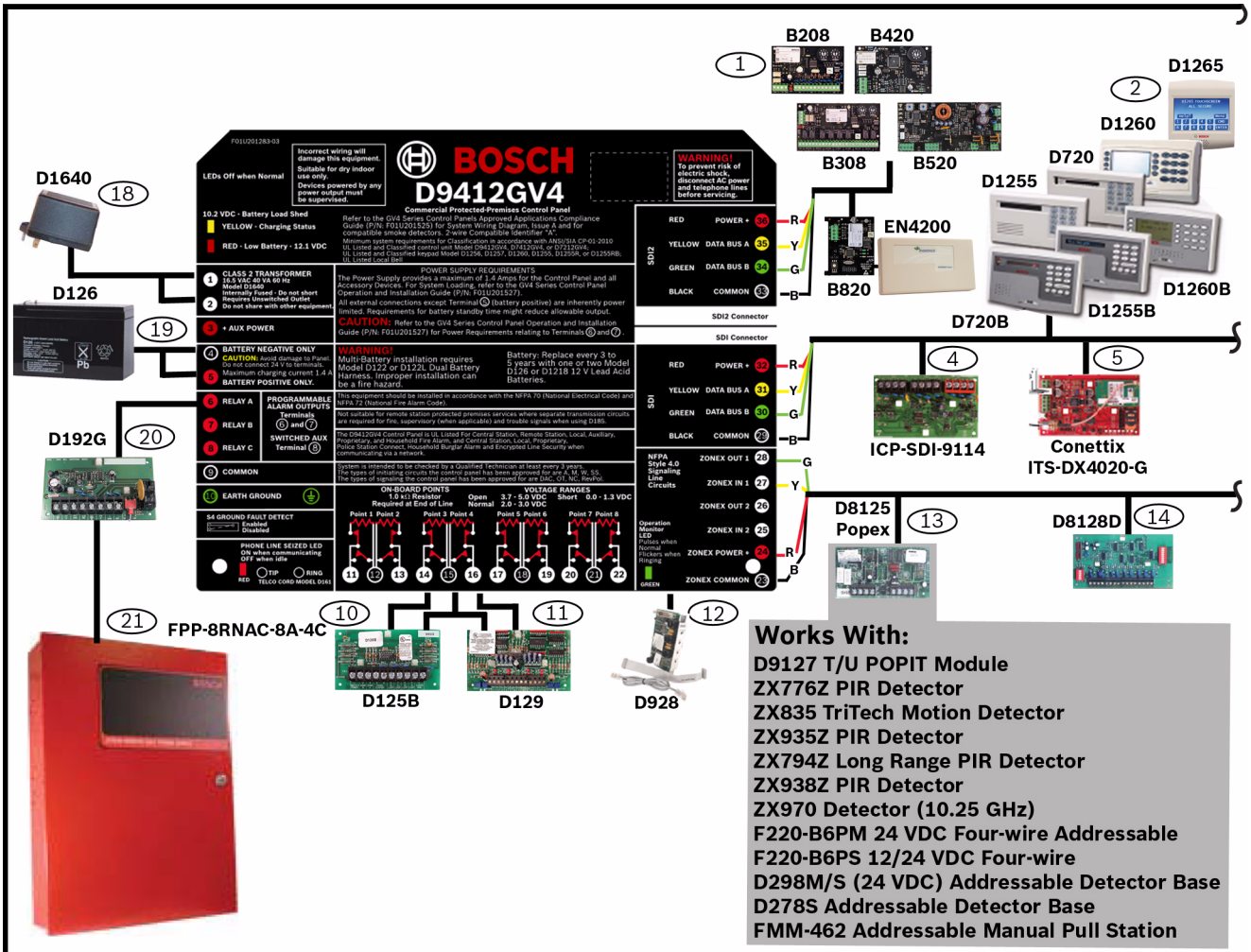
BOSCH

en Quick Reference Guide

Table of Contents

1 GV4 Control Panel Connections (D9412GV4 Shown)

Pages 5 and 6 describe the GV4 Series configuration and supported devices.

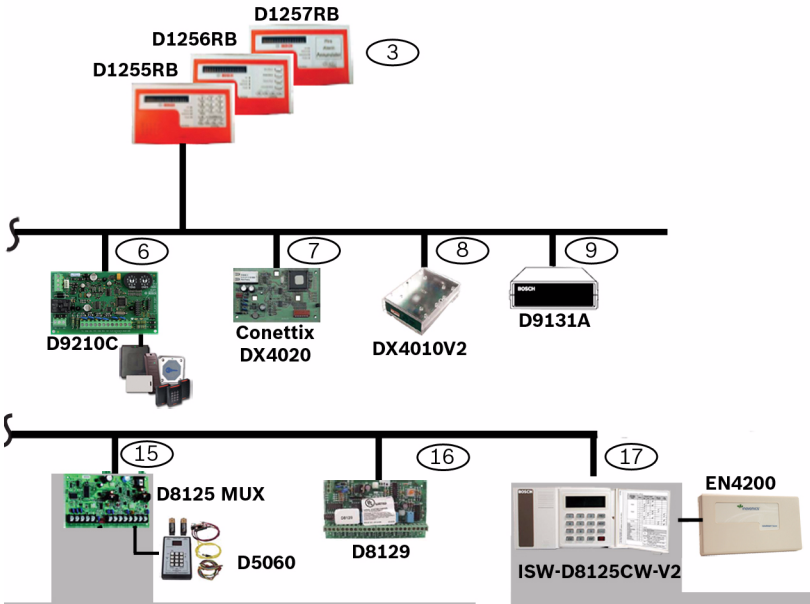


Works With:

- D9127 T/U POPIT Module
- ZX776Z PIR Detector
- ZX835 TriTech Motion Detector
- ZX935Z PIR Detector
- ZX794Z Long Range PIR Detector
- ZX938Z PIR Detector
- ZX970 Detector (10.25 GHz)
- F220-B6PM 24 VDC Four-wire Addressable
- F220-B6PS 12/24 VDC Four-wire
- D298M/S (24 VDC) Addressable Detector Base
- D278S Addressable Detector Base
- FMM-462 Addressable Manual Pull Station

Callouts

1. B208 Octo-input (18/22 AWG, max 1000 ft), B308 Octo-output (18/22 AWG, max 400-1000 ft), B420 (18/22 AWG, max 500 ft), B520 (18/22 AWG, max 1000 ft), B820 Inovonics Interface modules (12/22 AWG, max 1500 ft), Inovonics EchoStream EN4200 serial receiver
2. Intrusion D720B, D1255, D1260B, D1255, D720, D1260, and D1265 Keypads, (22/4 UTP max 2000 ft per device)
3. Fire D1255RB, D1256RB, and D1257RB Keypads,(22/4 UTP max 2000 ft per device)
4. ICP-SDI-9114 SDI Splitter (required for UL combo setup), (22/4 UTP max 20 ft)
5. Conettix ITS-DX4020-G GPRS/GMS IP Communicator, (22/4 UTP max 100 ft)
6. D9210C Access Control Interface Module (D9412GV4/D7412GV4), (22/4 UTP, max 2500 ft)(readers can be 500 ft from the D9210C)
7. Conettix DX4020 Ethernet Network Interface Module (22/4 UTP, max 20 ft)
8. DX4010V2 USB/Serial Interface Module, (18/4 UTP, max 2000 ft computer connection can be 6 ft max)
9. D9131A Parallel Printer Interface Module (parallel 25 pin max 25 ft, 22/4 UTP, max 1000 ft)
10. D125B Dual Class B Initiating Module (for example, 2-wire smoke, 22/4 UTP, max 60 ft)
11. D129 Dual Class A Initiating Circuit Module (2 Class A loops, 22/4 UTP, max 60 ft)
12. D928 Dual Phone Line Switcher (required for UL), 2-wire and fixed length ribbon cable (located in the panel)
13. D8125 POPEX Addressable POPEX Expansion Module, (22/4 UTP, max 5 ft)
14. D8128D OctoPOPIT Eight-point Expander, (22/4 UTP, max 200 ft)
15. D8125 MUX Addressable MUX Expansion Module, (22/4 UTP, max 5 ft)
16. D8129 Octo-relay Module, (22/3 UTP, max 5 ft)
17. ISW-D8125CW-V2 Commercial Wireless Interface Module and Serial Receiver, (22/4 UTP, max 5 ft)
18. D1640 Transformer, (rated at 16.5 VAC, 40 VA)
19. D126 Standby Battery, rated at 12 V, 7 Ah (or D1218 Battery rated at 12 V, 18 Ah) (36 Ah max load)
20. D192G Notification Appliance Circuit (NAC) Supervision Module (Fire/Burg), (22/4 UTP, max 60 ft)
21. FPP-RNAC-8A-4C Remote NAC Power Supply (requires a D192G)



Works With:

MX775i Multiplex PIR Intrusion Detector
MX794i Long Range Multiplex PIR Detector
MX934i Multiplex PIR Intrusion Detector
MX938I Multiplex Ceiling PIR Detector
DS7432 Series Eight-input Remote Modules
DS7457i Series Single-zone Input Modules
DS7460i Dual-zone Input Module
DS7461i Single-zone Input Module
DS7465i Input-output Module*
D7050-B6 Multiplex Photoelectric Smoke Detector Base and D7050 Head

Works With:**

EN1210 Universal Transmitter (Single-input)
EN1210EOL Universal Transmitter with EOL Resistor
EN1210W Door-Window Transmitter with Reed Switch
EN1215EOL Universal Transmitter with Wall Tamper and EOL Resistor
EN1215WEOL Door-Window 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)
EN1242 Smoke Detector Transmitter
EN1247 Glass-break Detector Transmitter
EN1249 Bill Trap 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 (B820 SDI2 Inovonics Interface Module inside)
EN5040-T High Power Repeater With Transformer

Note:

* Up to point 64, Zonex 1 only
** The B820 is operational for wireless devices via the SDI2 bus
*** Use with B820 on SDI2 per user

2 Upgrade GV4 Hardware and Programming

2.1 Receive Existing Control Panel Programming

NOTICE!

GV4 Series control panels are not compatible with the D5200 Programmer.

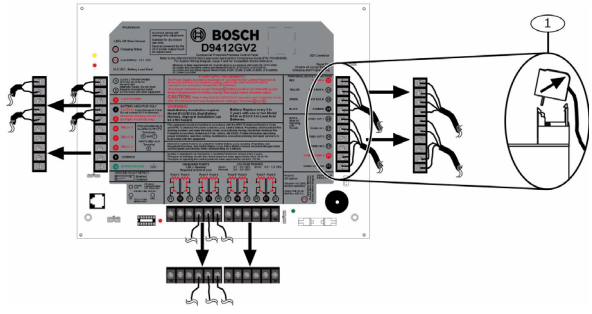
2.1.1 Receive Existing Control Panel Programming with RPS

1. In RPS, double-click on the control panel name.
2. Click **Connect**. Once connected, the **Panel Sync** window opens.
3. Select the **Recieve Panel Data** option button and click **OK**.

2.2 Upgrade Hardware to a GV4 Series Control Panel

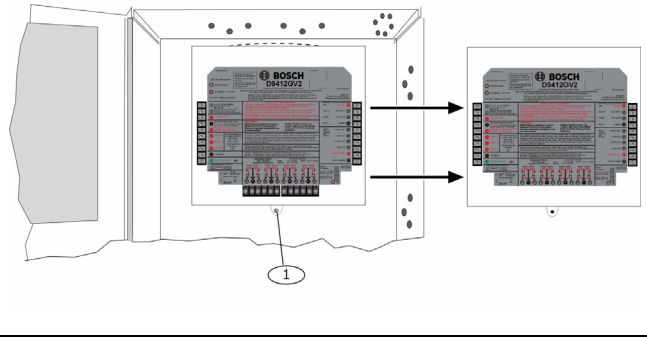
2.2.1 Prepare to Remove Existing Hardware

1. Power down the existing control panel by disconnecting the battery and the AC power.
2. Remove the four removable terminal strips by tilting the strip up and outward.
   Do not remove the wiring from the terminal strip.

	1 - Removable terminal strips

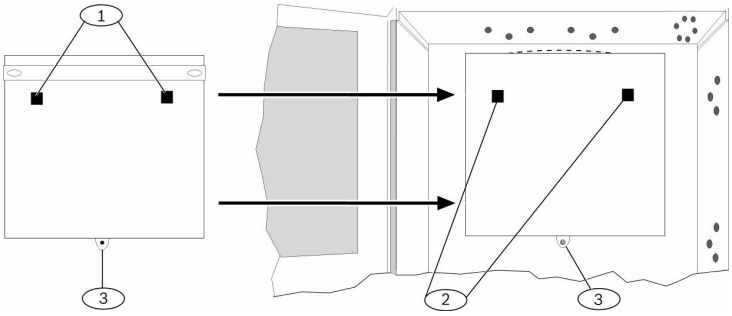
2.2.2 Remove the Existing Control Panel

1. Remove the lock down tab screw.
2. Lift up on the control panel to free it from the enclosure mounting hooks, and remove the control panel from the enclosure it.

	1 - Lock down tab

2.2.3 Install the GV4 Control Panel In the Enclosure

1. Place the GV4 Control Panel in the enclosure using the mounting skirt hook holes on the back of the control panel and the mounting skirt hooks on the enclosure.
2. Replace the lock down tab screw.

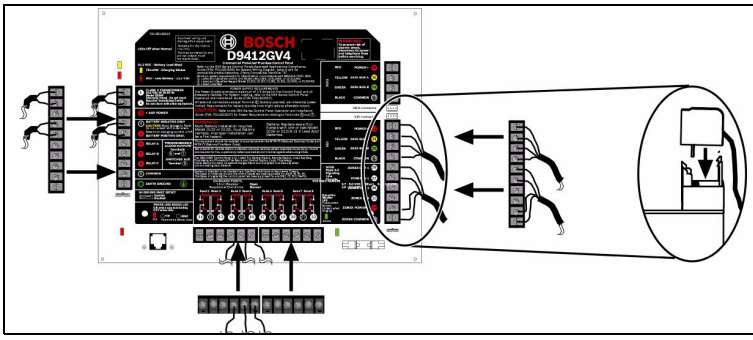


1 - Mounting skirt hook holes
2 - Mounting skirt hooks
3 - Lock down tab

NOTICE!
If the control panel was previously mounted using the screw hole configuration, the you must re-mount the new control panel. The GV4 control panel mounting screw hole locations do not align with the locations for older control panels.

2.2.4 Replace the Terminal Strips

1. Replace the removable terminal strips by pushing them straight down until they snap into position.



2. Connect the battery and AC power.

2.3 Upgrade Programming to a GV4 Control Panel Programming

NOTICE!
You must upgrade G Series and Non-G Series control panels to GV2 programming prior to upgrading to GV4 programming.

2.3.1 Upgrade a GV3 Series, GV2 Series, G Series, or Non-G Series Control Panel to a GV4 or Later Using Remote Programming Software (RPS) 5.14 or Later

RPS version 5.14 or newer is required to upgrade an existing G Series, GV2, or GV3 Series Control Panel installation to a GV4 Series Control Panel. Refer to the RPS help files for the specific control panel for additional information on control panel conversion.

1. In RPS, highlight the control panel name by selecting it.
2. Click the **View** button on the **Remote Programmer Toolbar**.
3. In the resulting **Panel Data - View** window, click the **Edit** button.
4. In the resulting **Panel Data - Edit** window, select the new control panel type from the **Panel Type** drop-down. (If the control panel is a G or Non-G Series control panel, you must upgrade to GV2 first, followed by GV3, and then repeat each of these steps to choose the GV4 control panel).
5. Click **OK** to close window.
6. Click **Save** in the **Panel View** window to save the changes and close the **Panel View** window.
7. Click **Connect**. Once connected, the **Panel Sync** window opens.
8. Select the **Send ALL RPS Data to Panel** option button and click **OK**.
9. Once the sync completes, click **Disconnect** to disconnect from the control panel.
10. Exit RPS.
11. Test the control panel for operation.

3 Programming the Control Panel

You can program the control panel with RPS using a network connection or serial connection. You can program some paramaters of the control panel with keypad programming.

3.1 RPS Programming over a Network Using the DX4020 Ethernet Network Interface Module

For additional information, refer to *IP Address Programming* in the *Conettix DX4020 Network Interface Module Installation Guide* (P/N: F01U045288).

3.2 RPS Programming over a Network Using the ITS-DX4020-G GPRS/GSM Communicator

For additional information, refer to the *Conettix ITS-DX4020-G Installation Guide* (P/N: F01U163066).

3.3 RPS Programming Using the DX4010V2 RS-232/USB Serial Interface Module

For additional information, refer to the *DX4020 RS-232/USB Serial Interface Module Installation Instructions* (P/N: F01U083036).

3.4 RPS Programming Using the B420 Ethernet Communication Module

For additional information, refer to *Programming Through a Control Panel* in the *B420 Ethernet Communication Module Installation and Operation Guide* (P/N: F01U215236).

3.5 Programming Using the Keypad Tools Menu

For additional information, refer to the *GV4 Series Program Entry Guide* (P/N: F01U218312).

4 Programming to Set Up Central Station Reporting

NOTICE!
You can program these items using RPS and the steps listed below. You can also use keypad programming (refer to the *D9412GV4/D7412GV4/D7212GV4 Program Entry Guide* (P/N: F01U218312).

4.1 Basic Telephone Set Up in RPS

1. Go to **PANEL WIDE PARAMETERS**→**Phone and Phone Parameters**.
2. Enter the primary telephone number in the **Phone 1** field.
3. If a secondary telephone number is required, enter it in the **Phone 2** field.
4. Go to **Panel Wide Parameters**→**Communicator**→**Route Group 1**.
5. Enter **Phone 1** in the **Primary Device** field.
6. If a secondary telephone is required, enter **Phone 2** in the **Backup Device** field.

4.2 Basic Internet Protocol (IP)

1. Go to **PANEL WIDE PARAMETERS**→**Communicator**→**Route Group 1 Primary Device**.
2. Select **SDI Address 88 Path 1**.
3. Go to **PANEL WIDE PARAMETERS**→**SDI RPS/Enhanced Comm**→**Enable Enhanced Communications** to **Yes**.
4. Go to **PANEL WIDE PARAMETER**→**Enhanced Communications**.
5. Select or enter the following values:

NOTICE!
Enhanced Communications settings usually follow the recommendations of the Central Stations' staff.
If using an ITS-DX4020-G for communication, refer to the *ITS-DX4020-G Installation and Operation Guide* (P/N: F01U163066).
If using an B420 Ethernet Communication Module, refer to the *B420 Ethernet Communication Module Installation and Operation Guide* (P/N: F01U215236).

Parameter	Value
Enable Enhanced Communication	YES
Path 1 Network Address	IP or Network address of Central Station receiver
Path 1 Port Number	Port Number of Central Station receiver
Path 1 Poll Rate (seconds)[1]	Poll rate recommended by Central Station
Path 1 ACK Wait Time	13 sec (default setting)
Path 1 Retry Count	5 (default Setting)
Path 1 Enable Anti-Replay	Yes (default setting)
[1] If the control panel is programmed to send a heartbeat poll to the central station, a rate of 75 sec maintains the virtual link in most network configurations.	

4.3 Account Number

In RPS, go to **AREA WIDE PARAMETERS** and enter the account number (up to 10 digits) in the **Account Number** parameter.

NOTICE!
Area 1 is the only area turned on by default.

5 Programming the Control Panel for Common Reporting Options

5.1 Set Up Daily Test Report Using RPS

1. Go to **SCHEDULES**→**Skeds**.
2. Enter Function Code 9 (Test Report) in an unused Sked.
3. Select **NO** for the Deferred parameter to send test reports regardless of other test reports sending between scheduled test reports.
4. Select **NO** for the Hourly parameter to send test reports only when the sked executes and not every hour.
5. Enter the time at which you wish the schedule to send the report.
6. Leave the Date parameter disabled so that the sked executes by days of the week instead of only on a selected date.
7. Select **YES** for each day of the week.
8. Select **NO** for:
   - Except On Holiday
   - Holidays 1 - 4

5.2 Set Up Open and Close Reports Using RPS

5.2.1 Area Wide Parameters

To report each area independently:

- Go to **AREA WIDE PARAMETERS**→**Area/Bell,Open/Close Options**→**Acct Open/Close** in RPS. Select **NO** (default).
- Go to **Area Open/Close** in RPS). Select **YES** (default).

To report by account (Close signal is sent when the last area in an account is armed; Open signal is sent when the first area is disarmed):

- Go to **AREA WIDE PARAMETERS**→**Area/Bell,Open/Close Options**→**Acct Open/Close** in RPS. Select **YES**.
- Go to **Area Open/Close** in RPS. Select **NO**.

NOTICE!

If you want Perimeter Open and Close, select **Perimeter O/C** = **YES**.

5.2.2 Set Authority Level

1. Go to **USER INTERFACE**→**Authority Levels**.
2. Go to the Authority Level to be used by users sending Open and Close reports.
3. Select **E** (enabled) for **Area Open/Close**.
4. Select **E** for **Restricted Open/Close**.
5. Select **E** for **Perimeter Open/Close**.

6 Setting Up Points and Outputs

6.1 Using the Relay Option Within Point Assignments

Relay Programming allows any one point or several points to latch a single relay through software when the selected point generates an alarm. Relays are number 1 through 8 and are programmed by entering the number of the relay (1 - 8) in the Relay column in Point Assignments. This relay latches on a generated alarm and resets after acknowledging and then clearing the alarm from memory.

Relay	D8129 Actual Relay Number	
	D7412GV4/D7212GV4[1]	D9412GV4[2]
1	9	73
2	10	74
3	11	75
4	12	76
5	13	77
6	14	78
7	15	79
8	16	80
[1] For the D7412GV4 and D7212GV4, connect to Terminal 28 for data (Zonex 1 Out).		
[2] For the D9412GV4, connect to Terminal 26 for data (Zonex 2 Out).		

Table 6.1 Actual Relays Latched by Control Panel Type

Switch Number	Setting
1	ON
2	OFF
3	ON
4	ON

Table 6.2 D8129 Switch Settings for All Control Panel Types

NOTICE!

Programmers must be aware of the following considerations:

- Do not use relays designated within **Point Assignments** for multiple functions. For example, Relays 73 through 80 on the D9412GV4 should not be used for relay-follow-point or area-wide or panel-wide relays.
- Relays should not be selected to follow points programmed as Invisible Points.

6.2 Point Index (Default Values)

Pt Index Number	Description	Pt Index Number	Description
1	24-hr Instant Open/Short	17	D279 (Non-Priority)
2	24-hr Inv/Sil on Short	18	D279 (Priority)
3	Pull Station	19	Easikey Input
4	Smoke Detector	20	Interior: POPIT Motion
5	Smoke Detector w/Verification	21	Perimeter: POPIT Motion
6	Bell Supervision-D192G	22	Fire Supervisory on Open
7	Perimeter: Instant N/O	23	Non-Fire Supervisory Op
8	Perimeter: Delay N/O	24	Local: Buzz on Fault
9	Per: Inst N/O Local: Dis	25	Per: Delay N/On No Troubl
10	Interior: Instant N/O	26	Perimeter: Instant N/C
11	Interior: Delay N/O	27	Perimeter: Delay N/C
12	Int: Inst N/O Local: Dis	28	Interior: Follower N/C
13	Interior: Follower N/O	29	Interior: Instant N/C
14	Maintained Keyswitch	30	Interior: Delay N/C
15	Momentary Keyswitch	31	CMD7 / CMD9
16	Open/Close on Fault		

Table 6.3 Point Index Numbers and Descriptions

NOTICE!

The default indexes are not always the best selection.

If you experience unwanted trouble conditions, refer to *Table 6.5, Page 15* and make any necessary adjustments.

Inovonics EchoStream Wireless points produce a Short when faulted and an Open for a tamper.

To make a custom Point Index, refer to (*Table 6.4* and *Table 6.5*).

Pt Type	Description	Pt Type	Description
0	24-Hour	6	O/C/ Port
1	Perimeter	7	D279 (O/C Non-Priority)
2	Interior	8	D279 (Priority)
3	Interior Follower	9	Easikey
4	Keyswitch Maintained	11	AUX AC Supervision
5	Keyswitch Momentary		

Table 6.4 Point Type Selections

NOTICE!

The selections in *Table 6.5* indicate:

- D = Delayed Response
- I = Instant Alarm
- S = Supervisory
- T = Trouble
- Blank = No Response

To make a custom point index, use *Table 6.4* on *Page 14* and *Table 6.5* on *Page 15*. For example, to create an Interior Follower point with a delay on Open and Trouble on Short, use Point Type 3 and Point Response 5.

Point Response Selections*		**0**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**A**	**B**	**C**	**D**	**E**	**F**
Armed	Open	I	I	I	I	D	D	I	I	D	I	I	I	I	I	T	
	Short	I	I	I	I	I	I	D	D	D	I	I	I	I	I	I	
Disarmed	Open		T		T				T		I	I	T	I		T	
	Short			T	T		T				I	T	I		I		
24-Hour	Open	I	T	I	T			I	T	S	T	S		S		N/A	
	Short	I	I	T	T	I	T			T	S		S	S			
*Selections: D = Delayed Response, I = Instant Alarm, S = Supervisory, T = Trouble, B = No Response																	

Table 6.5 Point Response Selections

7 Add System Users Locally With a Keypad

7.1 Add Users (CMD 56) Using a Keypad

Step	Operator Entry	Keypad Response
1	Enter Command 56	Enter Passcode
2	Enter passcode and press [ENT].	Enter User #
3	Enter the user number and press [ENT].	USER # (default name text)
4	Enter	Add Passcode?
5	Enter	Enter New Code
6	Enter the new user's passcode.	Enter New Again
7	Re-enter the new passcode.	Code Changed

Table 7.1 Adding Users with Command 56

7.2 Add Card (CMD 56) for Access Control Only Using a Keypad

Step	Operator Entry	Keypad Response
1	Command 56	Enter Passcode
2	Enter passcode and press [ENT]	Enter User #
3	Enter the user number and press [ENT]	USER# (default name text)
4	Enter	Change Passcode?
5	Next	Add Card?
6	Enter	Present Card
7	Present the credential to the reader.	Card Added

Table 7.2 Adding Cards with Command 56

NOTICE!
To use Add Card (CMD 56), you must program the Assign Door prompt within Command Center Assignments with the D9210C door controller number. If you do not program the Assign Door prompt, the keypad reads 9210 NOT READY.

8 Turning the System ON or OFF and Keypad Commands

8.1 Arming and Disarming the System

8.1.1 Master Arming

Enter the passcode and [ENTER] to arm all areas where the user has authority and are areas within the scope of the keypad.

8.1.2 Disarming

Enter the passcode and [ENTER] to disarm all areas where the user has authority and are areas within the scope of the keypad.

8.1.3 Set Duress +1 Using RPS

1. Go to **PANEL WIDE PARAMETERS→Miscellaneous→Duress Type**. Select **1**.
2. Go to **AREA WIDE PARAMETERS→Area Parameters→Duress Enable.** Select **YES**.
3. Go to **User Interface→Authority Levels**. In the authority levels to be used, select **E** for the **Send Duress** parameter.

8.2 Basic and Advanced Commands

Basic Commands	Advanced Commands
CMD 1 (Master Arm) [Master Arms only the area assigned to the Keypad]	CMD 0 (Bypass a Point)
CMD 11 (Master Arm Instant)	CMD 00 (Unbypass a Point)
CMD 3 (Perimeter Delay)	CMD 41 (Test Report)
CMD 4 (Silence Trouble Sounder)	CMD 42 (Status Report)
CMD 40 (View memory)	CMD 43 (Remote Program)
CMD 44 (Walk Test)	CMD 45 (Change Time/Date)
CMD 47 (Reset Sensors)	CMD 49 (Change Display)
CMD 6 (Watch Mode)	CMD 50 (Move to Area)
CMD 7 (Special Alert)	CMD 51 (Extend Closing)
CMD 8 (Perimeter Partial)	CMD 52 (Change Sked)
CMD 9 (Special Alert)	CMD 53 (Delete Passcode)
CMD 2 Perimeter Instant	CMD 54 (Change Relay)
	CMD 55 (Change Passcode)
	CMD 56 (Add Passcode)
	CMD 58 (Fire Test)
	PRINT LOG (99 [ENTER])
	VIEW LOG (99 [ENTER])

Table 8.1 Basic and Advanced Commands

99 Enter Commands

For each of the following commands, press [9] [9] [ENTER]. Press [NEXT] to view each command.

- 1 - View Log
- 2 - Print Log
- 3 - Display Revision
- 4 - Service Walk
- 5 - Default Text

- 6 - Tools menu (Requires Service Passcode)
  - Programming
  - Service Bypass
  - RF Points
  - RF Repeaters
  - RF Diagnostics
  - IP Diagnostics
- 7 - Firmware Updates

8.3 SIA CP-01 False Alarm Prevention Options

NOTICE!
Some programming parameters are preset for compliance with SIA standard CP-01 (false alarm prevention). These settings are in **AREA WIDE PARAMETERS→Area Parameters**. They affect control panel operation as described below.

- **Master Arm-No Exit=YES**: This setting provides for a Perimeter Delay point to be faulted when master arming each area, or the arming state defaults to Perimeter Delayed.
- **Exit Delay Warning=YES**: When this parameter is set to YES, the alarm bell pulses on and off every two seconds for the remaining 10 sec of Exit Delay.
- **Entry Delay Warning=YES**: When this parameter is set to YES, the alarm bell pulses on and off every two seconds for the remaining 10 sec of Entry Delay.

9 Device Address Settings

9.1 D9127 U/T POPIT Dip Switch Key

POPIT addresses are binary. Refer to *Table 9.1*.

Switch Number	0	1	2	3	4	5	6
Binary Value	64	32	16	8	4	2	1

Table 9.1 POPIT Dip Switch Keys

To calculate the switch settings for POPITS, you must determine the value to use in the calculation. For addresses 9 through 127, subtract 9. For addresses 129 through 247, subtract 129. Use the following procedure with address 48 as the example, substituting the actual values in your calculation.

1. Subtract 9 from 48. The result is 39.
2. Set the switches that add up to 39 to the OFF positions (32 + 4 + 2 + 1 = 39).
   SW 1 OFF = 32
   SW 4 OFF = 4
   SW 5 OFF = 2
   SW 6 OFF = 1

9.2 D9210C Access Control Interface Module Rotary Address Switch Settings

For additional information, refer to the *D9210C Access Control Interface Module Installation and Operation Guide* (P/N: F01U201526).

9.3 D720, D1255, D1260, D1265 Dip Switch Settings

For additional information, refer to:

– *D720 Series Keypads Installation Instructions* (P/N: 7406918000)
– *D1255/D1255B Keypads Installation Instructions* (P/N: 7406819000)
– *D1260/D1260B Keypads Installation Guide* (P/N: 48101)
– *D1265 Keypads Installation Guide (P/N: F01U169129)*

9.4 D9131A Dip Switch Settings

For additional information, refer to the *Parallel Printer Interface D9131A Installation Guide* (P/N: F01U135506).

9.5 D8129 OctoRelay Dip Switch Settings

For additional information, refer to the *D8129 OctoRelay Module Operating and Installation Guide* (P/N: F01U036302).

9.6 D8128C OctoPOPIT Dip Switch Settings

For additional information, refer to the *D8128C OctoPOPOIT Module Operating Instructions* (P/N: 7407710000).

9.7 D8128D OctoPOPIT Dip Switch Settings

For additional information, refer to the *D8128D OctoPOPOIT Module Installation Guide* (P/N: F01U070537).

9.8 B208 Octo-input Module Rotary Address Switch Settings

For additionl information, refer to the *B208 Octo-input Module Installation and Operation Guide* (P/N: F01U215232).

9.9 B308 Octo-output Module Rotary Address Switch Settings

For additional information, refer to the *B308 Octo-output Module Installation and Operation Guide* (P/N: F01U215235).

9.10 B420 Ethernet Communication Module Rotary Address Switch Settings

For additional information, refer to the *B420 Ethernet Communication Module Installation and Operation Guide* (P/N: F01U215236).

9.11 B520 Auxiliary Power Supply Module Rotary Address Switch Settings

For additional information, refer to the *B520 Auxiliary Power Supply Module Installation and Operation Guide* (P/N: F01U215240).

9.12 B820 Inovonics Interface Module Rotary Address Switch Settings

For additional information, refer to the *B820 SDI2 Inovonics Interface Module Installation Guide* (P/N: F01U215241).

10 Reporting Format Definitions

Modem IIIa^2 Event	Modem IIIa^2 Code D6500 Mode	Modem IIIa^2 Code Bosch SIA Mode	Contact ID Event	Contact ID Code
A point supervisory condition occurred	Jsppp	NriaBSppp	24 hour Non-Burglary	1 150 aa ppp
A valid local access occurred	RsF01	NLS	Successful Download/ Access	1 412 00 000
A valid remote access callback occurred	RsssF	NphhhRS	Successful Download/ Access	1 412 00 000
A valid remote access occurred	RsssF	NRS	Successful Download/ Access	1 412 00 000
AC Fail – mains power supply	Pssss	NAT	AC Loss	1 301 00 000
AC Restore – mains power supply	Rsss0	NAR	AC Loss	3 301 00 000
Access Denied – Door Secured	ADsppp	Nria/idiiiDZppp or Nria/idiii/ ssxDZppp	Access Denied	1 421 aa uuu
Access Denied – Interlocked	ADsppp	Nria/idiiiDWppp or Nria/idiii/ ssxDWppp	Access Denied	1 421 aa uuu
Access Denied – No rights in area by card	ADsppp	Nria/idiiiDVppp or Nria/idiii/ ssxDVppp	Access Denied	1 421 aa uuu
(NEW) Access Denied - No rights in area by passcode	ADsppp	Nria/idiiiDVppp	Access Denied	1 421 aa uuu
Access Denied – Unknown ID	ADsppp	NriaDDppp	Access Denied	1 421 aa uuu
Access Granted	AGsppp	Nria/idiiiDGppp or Nria/idiii/ ssxDGppp	Access Report by User	1 422 aa uuu
Add Card to a User	NsD30	NidiiiDAuuu	Local Only	Local Only
(NEW) Add Key Fob to User (Assign Card Event)	NsD30	NidiiiDAuuu	Local Only	Local Only
Alarm	Asppp	NriaBAppp	Burglary	1 130 aa ppp
Alarm Cross Point	Asppp	NriaBMppp	Burglary	1 130 aa ppp
Alarm Exit Error	Asppp	Nria/idiiiEAppp	Entry/Exit	1 134 aa ppp
Alarm with Recent Closing	Asppp	Nria/CRppp	Entry/Exit	1 459 aa uuu
All Points Tested by User	RsssF	NRilTC	Local Only	Local Only
All SDI devices are missing, power is shorted	TsssD	NpidddET	Expansion Module Failure	1 333 00 000
All SDI devices are restored, power is normal	RsssD	NpidddER	Expansion Module Failure	3 333 00 000
An individual SDI device is missing.	TsssD	NpidddEM	Expansion Module Failure	1 333 00 000
An individual SDI device is restored.	RsssD	NpidddEN	Expansion Module Failure	3 333 00 000
An invalid remote access callback occurred	TsssF	NphhhRU	Unsuccessful Access	1 413 00 000
An invalid remote access occurred	TsssF	NRU	Unsuccessful Access	1 413 00 000
Area Watch End	NsD52	Nria/idiiiiTZ	Local Only	Local Only

[1]zzz indicates an SDI, or SDI2 device address value, or network trouble condition. Reference *Table 10.2* for more details.

Modem IIIa² Event	Modem IIIa² Code D6500 Mode	Modem IIIa² Code Bosch SIA Mode	Contact ID Event	Contact ID Code
Area Watch Start	NsD51	Nria/idiiiiTW	Local Only	Local Only
Armed perimeter delay	Csiii	Nria/idiiiNL	Armed STAY	3 441 aa uuu
Armed perimeter instant	Csiii	Nria/idiiiNL	Armed STAY	3 441 aa uuu
Bypass by SDI device	Nsppp	Nria/pidddUBppp	Zone/Sensor Bypass	1 570 aa ppp
Bypass by Sked	Nsppp	Nria/aikkkUBppp	Zone/Sensor Bypass	1 570 aa ppp
Bypass by User	Nsppp	Nria/idiiiUBppp	Zone/Sensor Bypass	1 570 aa ppp
Bypass Point	Nsppp	NriaUBppp	Zone/Sensor Bypass	1 570 aa ppp
Change own password	NsDO4	NidiiiiJViiii	Local Only	Local Only
Change another's password or card	NsDO4	NidiiiiJViiii	Local Only	Local Only
Checksum failure on configuration memory	TsD15	NYF	RAM Checksum Bad	1 303 00 000
(NEW) Closing by Account	Csiii	NidiiiCL	O/C by account	3 401 00 uuu
Closing by Area	Csiii	Nria/idiiiCL	O/C by User	3 401 aa uuu
Closing Early by Area	Csiii	Nria/idiiiCK	Early O/C	3 451 aa uuu
Closing Late by Area	Csiii	Nria/idiiiCJ	Late O/C	3 452 aa uuu
Communication failure by route group	TsB01	NrggYC	Failure to communicate event	1 354 00 000
Communication failure by route group restored	NsB01	NrggYK	Failure to communicate event	3 354 00 000
Communication trouble by network	TsB01	Nrgg/pidddYS	Communication Trouble	1 350 00 [1]zzz
Communication trouble by network restored	NsB01	Nrgg/pidddYK	CommunicationTrouble	3 350 00 [1]zzz
Communication trouble by phone	TsB01	NphhhYS	Communication Trouble	1 350 00 000
Communication trouble by phone restored	NsB01	NphhhYK	Communication Trouble	3 350 00 000
Control panel battery low	Tsss9	NYT	Low System Battery	1 302 00 000
Control panel battery missing	Tsss9	NYM	Battery Missing/Dead	1 311 00 000
Control panel battery restored to normal	Rsss9	NYR	Low System Battery	3 302 00 000
(NEW) Control Panel Off-line	TsssF	Nid5002TS	System Shutdown	1 308 00 F02
(NEW) Control Panel On-line	RsssF	Nid5002TE	System Shutdown	3 308 00 F02
Create Status Report	Sssss	NYY	Status Report to Follow	1 605 00 000
Date changed – no user identified	NsD07	NJD	Time/Date Reset	1 625 00 000
Dated changed by user	NsD07	NidiiiJD	Time/Date Reset	1 625 00 uuu
Delete User by User	NsDO5	NidiiiJXiii	Local Only	Local Only
(NEW) DNS Failure	TsB01	Nrg8/pidddYS	Communication Trouble	1 350 00 [1]zzz
(NEW) DNS Failure Restore	NsB01	Nrg8/pidddYK	Communication Trouble	3 350 00 [1]zzz
Door Closed, Restoral	Rsppp	NriaDHppp	Access Door propped open	1 426 aa ppp
Door cycled by user	AGsppp	Nria/idiiiDGppp	Local Only	Local Only
Door Left Open Alarm	Asppp	NriaDLppp	Access Door propped open	1 426 aa ppp
Door Left Open Trouble	Tsppp	NriaDMppp	Access Door propped open	1 426 aa ppp
Door locked by user	ALsppp	Nria/idiiiDYppp	Local Only	Local Only
Door secured by user	ASsppp	Nria/idiiiDCppp	Local Only	Local Only
Door unlocked by user	AUsppp	Nria/idiiiDOppp	Local Only	Local Only
Duress	Dsiii	Nria/idiiiHA	Duress	1 121 aa uuu
(NEW) DNS Failure RPS	TsB01	Nrg8/pi099YS	Communication Trouble	1 350 00 [1]zzz

[1]zzz indicates an SDI, or SDI2 device address value, or network trouble condition. Reference *Table 10.2* for more details.

Modem IIIa² Event	Modem IIIa² Code D6500 Mode	Modem IIIa² Code Bosch SIA Mode	Contact ID Event	Contact ID Code
(NEW) DNS Failure Restore RPS	NsB01	Nrg8/pi099YK	Communication Trouble	3 350 00 [1]zzz
(NEW) Equipment Fail (SDI2 only)	TsD29	NIA001	System Peripheral Trouble	1 330 00 [1]zzz
(NEW) Equipment Restore (SDI2 only)	RsD29	NIR001	System Peripheral Trouble Restore	3 330 00 [1]zzz
Event Log Overflow	AsD01	NJO	Event Log Overflow	1 624 00 000
Event Log Threshold has been reached	TsD01	NJL	Event Log 90% Full	1 623 00 000
Extend Close Time by Area	TsD26	Nria/idiii/ tihhmmCE	Auto-arm Time Extended	1 464 aa uuu
Extra Point	Tsppp	NriaXEppp	Maintenance Alert	1 393 aa ppp
Fail To Close by Area	TsssE	NriaCI	Failed to Close	1 454 aa 000
Fail To Open by Area	TsssE	NriaOI	Failed to Open	1 453 aa 000
Fire Alarm	Fsppp	NriaFAppp	Fire	1 110 aa ppp
Fire Cancel	\siii	Nria/idiiiFC	Cancel	1 406 aa uuu
Fire Missing	Msppp	NriaFYppp	Fire Trouble	1 373 aa ppp
Fire Restoral from Alarm	Hssppp	NriaFHppp	Fire	3 110 aa ppp
Fire Restoral from Trouble	Hsppp	NriaFJppp	Fire Trouble	3 373 aa ppp
Fire Supervision	Esppp	NriaFSppp	Fire Supervisory	1 200 aa ppp
Fire Supervision from Restore	Esppp	NriaFVppp	Fire Supervisory	3 200 aa ppp
Fire Trouble	Gssppp	NriaFTppp	Fire Trouble	1 373 aa ppp
Fire Walk Test End	RsssF	Nria/idiiiFK	Fire Test	3 604 aa uuu
Fire Walk Test Start	TsssF	Nria/idiiiFI	Fire Test	1 604 aa uuu
Force Armed Perimeter Delay	Csiii	Nria/idiiiNF	Partial Arm	3 456 aa uuu
Force Armed Perimeter Instant	Csiii	Nria/idiiiNF	Partial Arm	3 456 aa uuu
Forced Close Early by Area	Csiii	Nria/idiiiCF	Early O/C	3 451 aa uuu
Forced Close Late by Area	Csiii	Nria/idiiiCF	Late O/C	3 452 aa uuu
Forced Closing by Area	Csiii	Nria/idiiiCF	O/C by user	3 401 aa uuu
Forced Point	Tsppp	NriaXWppp	Zone/Sensor Bypass	1 570 aa ppp
Invalid local access detected	TsF01	NLU	Unsuccessful access	1 413 00 000
(NEW) IP Address Error	TsssD	NET	System Peripheral Trouble	1 330 00 [1]zzz
(NEW) IP Address Error Restore	RsssD	NER	System Peripheral Trouble Restore	3 330 00 [1]zzz
Low battery on a wireless point	Tsppp	NriaXTppp	RF Low Battery	1 384 aa ppp
Low battery restore on a wireless point	Rsppp	NriaXRppp	RF Low Battery	3 384 aa ppp
Missing Alarm	Msppp	NriaUZppp	General Alarm	1 140 aa ppp
Missing Fire Supervision	GMsppp	NriaFZppp	Fire Trouble	1 200 aa ppp
Missing Supervision	MTsppp	NriaBZppp	Loss of Supervision - RPM	1 382 aa ppp
Missing Trouble	Vsppp	NriaUYppp	Loss of Supervision - RPM	1 382 aa ppp
(NEW) Network Cable Disconnected	TsssD	NET	System Peripheral Trouble	1 330 00 [1]zzz
(NEW) Network Cable Connected	RsssD	NER	System Peripheral Trouble Restore	3 330 00 [1]zzz
Non- Fire Cancel Alarm	\siii	Nria/idiiiBC	Cancel	1 406 aa uuu
Normal start-up of the control panel	NsD14	NRR	System Reset	1 305 00 000
(NEW) Opening by Account	OSiii	NidiiiOP	O/C by account	1 401 00 uuu

[1]zzz indicates an SDI, or SDI2 device address value, or network trouble condition. Reference *Table 10.2* for more details.

Modem IIIa^2 Event	**Modem IIIa^2 Code D6500 Mode**	**Modem IIIa^2 Code Bosch SIA Mode**	**Contact ID Event**	**Contact ID Code**
Opening by Area	Osiii	Nria/idiiiOP	O/C by user	1 401 aa uuu
Opening Early by Area	Osiii	Nria/idiiiOK	Early O/C	1 451 aa uuu
Opening Late by Area	Osiii	Nria/idiiiOJ	Late O/C	1 452 aa uuu
Parameters changed by RPS	NsD02	NYG	Panel Programming Changed	1 306 00 000
Phone Line Missing 1	TsssB	NLT1	Telco 1 Fault	1 351 00 000
Phone Line Missing 2	TsssB	NLT2	Telco 2 Fault	1 352 00 000
Phone Line Restored 1	RsssB	NLR1	Telco 1 Fault	3 351 00 000
Phone Line Restored 2	RsssB	NLR2	Telco 2 Fault	3 352 00 000
Point Bus Fail	TsssD	NET	Protection Loop	1 370 00 000
Point Bus Restoral, power normal or bus not missing	RsssD	NER	Protection Loop	3 370 00 000
RAM Fail with RPS	TsF02	NRA	Unsuccessful access	1 413 00 000
Relay Reset by Programmer	NsD22	NpidddROrrr	Sounder/Relay	3 320 00 000
Relay Reset by Sked	NsD20	NaikkkROrrr	Sounder/Relay	3 320 00 000
Relay Reset by User	NsD18	NidiiiROrrr	Sounder/Relay	3 320 00 000
Relay Set by Programmer	NsD21	NpidddRCrrr	Sounder/Relay	1 320 00 000
Relay Set by Sked	NsD19	NaikkkRCrrr	Sounder/Relay	1 320 00 000
Relay Set by User	NsD28	NidiiiRCrrr	Sounder/Relay	1 320 00 000
Remote Reset – System was reset by RPS	NsD11	NRN	System Reset	1 305 00 000
(NEW) Replace User's Key Fob (Assign Card Event)	NsD30	NidiiiDAuuu	Local Only	Local Only
(NEW) Remove User's Key Fob (Assign Card Event)	NsD30	NidiiiDAuuu	Local Only	Local Only
Restoral	Rsppp	NriaBRppp	Sensor Trouble	3 380 aa ppp
Restoral from Alarm	Rsppp	NriaBHppp	Burglary	3 130 aa ppp
Restoral from Ground Fault	Rsppp	NriaBRppp	Ground Fault	3 310 01 000
(NEW) RF Interference (SDI2 only)	TsD08	NXQ	RF RCVR Jam	1 344 00 [1]zzz
(NEW) RF Interference Restore (SDI2 only)	RsD08	NXH	RF RCVR Jam Restore	3 344 00 [1]zzz
(NEW) RF Transmitter Low Battery (Key Fob)	TsD10	NidiiiiXT	Battery Test Failure	1 309 00 uuu
(NEW) RF Transmitter Low Battery Restore (Key Fob)	RsD10	NidiiiiXR	Battery Test Restore	3 309 00 uuu
(NEW) RF Transmitter Maintenance	Gss001	NriaFTppp	Maintenance Alert	1 393 aa ppp
(NEW) RF Transmitter Maintenance Restoral	Hss001	NriaFRppp	Maintenance Alert	3 393 aa ppp
ROM Checksum Fail (Not Used)	AsD12	NYX	ROM Checksum bad	1 304 00 000
(NEW) SDI Device AC Fail (SDI2 only)	TsssD	NEP	Exp. Module AC Loss	1 342 00 [1]zzz
(NEW) SDI Device AC Fail Restore (SDI2 only)	RsssD	NEQ	Exp. Module AC Restore	3 342 00 [1]zzz
[1]zzz indicates an SDI, or SDI2 device address value, or network trouble condition. Reference *Table 10.2* for more details.				

Modem IIIa² Event	Modem IIIa² Code D6500 Mode	Modem IIIa² Code Bosch SIA Mode	Contact ID Event	Contact ID Code
(NEW) SDI Bus Fail Ground Fault (SDI2 only)	TsssD	NET	Ground Fault	1 310 00 [1]zzz
(NEW) SDI Bus Fail Ground Fault Restore (SDI2 only)	RsssD	NER	Ground Fault Restore	3 310 00 [1]zzz
(NEW) SDI Device Low Battery (SDI2 only)	TsssD	NEB	Exp. Module Low Batt.	1 338 00 [1]zzz
(NEW) SDI Device Low Battery Restore (SDI2 only)	RsssD	NEV	Exp. Module Low Batt. Restore	3 338 00 [1]zzz
(NEW) SDI Device Over Current (SDI2 only)	TsssD	NYI	PS Over Current	1 312 00 [1]zzz
(NEW) SDI Device Over Current Restore (SDI2 only)	RsssD	NYJ	PS Over Current Restore	3 312 00 [1]zzz
(NEW) SDI Device Missing (SDI2 only)	TsssD	NEM	Exp. Module Failure	1 333 00 [1]zzz
(NEW) SDI Device Missing Battery (SDI2 only)	TsssD	NEB	Exp. Module Low Batt.	1 338 00 [1]zzz
(NEW) SDI Device Missing Battery Restore (SDI2 only)	RsssD	NEV	Exp. Module Low Batt. Restore	3 338 00 [1]zzz
(NEW) SDI Device Missing Restore (SDI2 only)	RsssD	NEN	Exp. Module Failure Restore	3 333 00 [1]zzz
(NEW) SDI Device Tamper (SDI2 only)	TsssD	NES	Exp. Module Tamper	1 341 00 [1]zzz
(NEW) SDI Device Tamper Restore (SDI2 only)	TsssD	NES	Exp. Module Tamper Restore	3 341 00 [1]zzz
(NEW) SDI Device Trouble (SDI2 only)	TsssD	NET	System Peripheral Trouble	1 330 00 [1]zzz
(NEW) SDI Device Trouble Restore (SDI2 only)	RsssD	NER	System Peripheral Trouble Restore	3 330 00 [1]zzz
(NEW) SDI2 Open Trouble	TsssD	NpiidddET	Expansion Module Failure	1 333 00 [1]zzz
(NEW) SDI2 Open Trouble Restoral	RsssD	NpidddER	Expansion Module Failure	3 333 00 [1]zzz
Sensor Reset	NsD27	Nria/idiiiXIrrr	Sounder/Relay	3 320 00 000
Service Bypass	Qsppp	NriaXKppp	Service Request	1 616 aa ppp
Service Bypass Cancel	Qsppp	NriaXNppp	Service Request	3 616 aa ppp
Service Walk Test End	RsssF	NidiiiTE	Service On/Off Premises	3 466 aa uuu
Service Walk Test Start	TsssF	Nria/idiiiTS	Service On/Off Premises	1 466 aa uuu
Sked Changed – No User Identified	NsD06	NaikkkJS	Schedule Change	1 630 00 000
Sked Changed by User	NsD06	Nidiii/aikkkJS	Schedule Change	1 630 00 000
Swinger Bypass	Nsppp	NriaUBppp	Swinger Bypass	1 575 aa ppp
Test Report – System Normal, Expanded Status	RsssE	NRP & see D6600 CIM for Status Items	Periodic Test Report	1 602 00 000
Test Report – System Normal, Non-expanded Status	RsssE	NRP	Periodic Test Report	1 602 00 000

[1]zzz indicates an SDI, or SDI2 device address value, or network trouble condition. Reference *Table 10.2* for more details.

Modem IIIa^2 Event	**Modem IIIa^2 Code D6500 Mode**	**Modem IIIa^2 Code Bosch SIA Mode**	**Contact ID Event**	**Contact ID Code**
Test Report – System Off-normal, Expanded Status	RsssE	NRY & see D6600 CIM for Status Items	Periodic Test – System Trouble Present	1 608 00 000
Test Report – System Off-normal, Non-expanded Status	RsssE	NRY	Periodic Test – System Trouble Present	1 608 00 000
Time Changed – No User Identified	NsD07	NJT	Time/Date Reset	1 625 00 000
Time Changed by Receiver Sync	NsD07	Nid254JT	Time/Date Reset	1 625 00 F01
Time Changed by User	NsD07	NidiiiJT	Time/Date Reset	1 625 00 uuu
Trouble	Tsppp	NriaBTppp	Sensor Trouble	1 380 aa ppp
Trouble with Ground Fault	Tsppp	NriaBTppp	Ground Fault	1 310 01 000
Unverified Event	Ksppp	NriaUGppp	Cross-zone Trouble	1 378 aa ppp
User Alarm 7	Usss7	Nria/idiiiUA	Personal Emergency	1 101 aa uuu
User Alarm 9	UUsss9	Nria/idiiiPA	Duress	1 121 aa uuu
User Authority level has changed	NsD40	NidiiiJZiii	Local Only	Local Only
User Passcode Tamper – Too Many Attempts	NsD03	NriaJA	Wrong Code Entry	1 461 aa 000
Walk Test End	RsssF	Nria/idiiiTE	Walk test mode	3 607 aa uuu
Walk Test Start	TsssF	Nria/idiiiTS	Walk test mode	1 607 aa uuu
Watchdog Reset – SDI Device Reported identifies the Source	NsD09	NpidddYW	System Reset	1 305 00 000
[1]zzz indicates an SDI, or SDI2 device address value, or network trouble condition. Reference *Table 10.2* for more details.				

Table 10.1 Reporting Format Definitions

Contact ID data value (zzz) translations

SDI/SDI2 Bus Address	zzz Data Values	Description
1-16	001-016	SDI Keypad 1 through 16
17-19	017-019	SDI Printer 1 through 3
33-40	033-040	Access Module 1 through 8
80	080	SDI Automation Module1
88	088	SDI Network Module 1
92	092	SDI Network Module 2
2-25	201-224	SDI2 Octo-input Modules 1 through 24
66-77	301-312	SDI2 Octo-output Modules 1 through 12
151	801	SDI2 Premise RF Module
161-168	851-858	SDI2 RF Repeater 1 through 8
173	401	SDI2 Network Module 1
174	402	SDI2 Network Module 2
176-183	501-508	SDI2 Power Supply Module 1 through 8
88-91	088-091	Routes 1 through 4 on SDI Network Module 1
92-95	092-095	Routes 1 through 4 on SDI Network Module 2
11, 21, 31, 41	411, 421, 431, 441	Routes 1 through 4 on SDI2 Network Module 1
12, 22, 32, 42	412, 422, 432, 442	Routes 1 through 4 on SDI2 Network Module 2
99	499	DNS lookup error of RPS hostname

Table 10.2 Contact ID data value (zzz) translations table

11 Frequently Asked Questions

What does it mean when my keypad reads "CALL FOR SERVICE"?
That keypad is not receiving data from the control panel.

What does it mean when my keypad reads "SERVICE KEYPAD"?
A supervised keypad has lost communications with the control panel.

How do I arm an area that is not assigned to my keypad?
Add to the **FUNCTION LIST** a menu item with a function code of **1** and with **CC ADDRESS 1-16** set to **YES**, and a menu item with a function code of **2** and with **CC ADDRESS 1-16** set to Yes. Assign the function codes to the necessary command center. The new menu items allow your users to select the area they wish to arm or disarm.

How do I perform area-specific functions from a keypad?
Use the **MOVE TO AREA** command (CMD 50) to move to an area within the keypad's scope.

Can I default a lockcode without knowing the lockcode?
No. You must send the unit to the Bosch Repair Center.

How do I upgrade the control panel's firmware version?
When an update is available, you may either:

– use the optional firmware upgrade key to upgrade the firmware. Lift the control panel faceplate cover to access the port to insert the upgrade key and read the instructions located on the back of the faceplate.

OR

– obtain the firmware update file from Bosch and, using the RPS Firmware Update Wizard, connect to the panel and send the new version to the control panel (local user authorization may be required). Always re-test your system when the firmware version has been changed.

How do I add an access card using the command center?
Use the **ADD USER** command (CMD 56) to add an access card. Present the access card to the assigned door to add the card.

What does it mean when my keypad reads "9210 NOT READY"?
No door is assigned to the command center. Check the ASSIGN DOOR parameter within COMMAND CENTER ASSIGNMENTS menu item, and then enter the D9210C address (1 - 8).

What are SDI addresses 33 to 40?
They are D9210C addresses.

What are SKEDS 41 to 56?
They are Open and Close windows.

How do I test a relay from the keypad?
Use the RELAY CONTROL command (CMD 54) to toggle relays.

How do I toggle the on-board relays A, B, and C?
Use the RELAY CONTROL command (CMD 54), and then the relay number: 253 for A; 254 for B; and 255 for C.

How many Amp Hours can the panel sustain?
You can connect two (2) 18 Ah batteries for a total of 36 Ah. You can gain up to an additional 27 Ah with by connecting a D8132 module.

Is the control panel compatible with digital or VOIP phone lines?
The control panel has been tested with only analog lines. Use a B420 Ethernet Communication Module or a DX4020 to transmit over Ethernet or a ITS-DX4020-G to transmit over cellular. You can use a C900V2 to convert analog signals to Ethernet for transmission to a D6600/ D6100i receiver.

How do I silence a trouble condition?
Use the SILENCE TROUBLE SOUNDER command (CMD 4) to silence a trouble condition.

How do I clear alarm memory?
Ensure all points are normal, and the enter your passcode and press [ESC], or press the [Clear] soft key.

How do I determine if I have a ground fault?
On the control panel, measure voltage on terminal 9 (common) and terminal 10 (earth ground). Approximately 6.5 to 6.8 VDC is normal voltage and equals no ground fault. Disconnect wires until you see normal voltage to find your ground.

Can I add wireless capability to this control panel?
Yes. By adding the B820 SDI2 Interface Module, you are able to connect to an Inovonics EN4200 EchoStream Serial Receiver via the SDI2 bus. By doing so, this allows you to connect to any Inovonics EchoStream wireless peripheral.

What type of cable do I use to connect my computer's COM port to a serial-enhanced direct connection using the DX4010V2?
A D89 null modem cable or USB-A to USB-B cable is required.

How can I determine which points are not ready when my keypad reads "NOT READY TO ARM"?
Press the NEXT key to scroll through faulted points. If the VIEW POINT STATUS menu item is enabled, you can access it through the menu to determine the state of the faulted point.

What does it mean when my keypad reads "CHECK DEVICE"?
A point is faulted. The point is one that is configured to display as a device in the POINT INDEX by marking YES for the DISPLAY AS DEVICE parameter.

I hear a trouble tone from my keypad but no point is shown as in trouble on the keypad. How do I resolve this?
A point generates a trouble tone (buzz) when faulted if is configured to do so. To determine which points are configured to buzz, look in the POINT INDEX for points with a non-zero value for the BUZZ ON FAULT parameter.

How can I determine the meaning of an undefined signal received from central station?
Press 99 [ENTER] on the keypad to reveal the VIEW LOG menu item. Locate the signal in the log by date and time.

Which reporting formats can the panel send?
Modem IIIa^2 or Contact ID.

What is the default Installer Code?
The code is 123.

What is the default User Code?
The code is 123456.

What is the default RPS Passcode?
The code is 999999.

Is the GV4 control panel keypad programmable?
Yes. RPS version 5.14 or later allows you to program all parameters of your GV4 control panel. Keypad Programming, a function of the Tools Menu accessed with 99 [ENTER], allows you to program many parameters of your GV4 control panel, for example, the RPS passcode. Refer to *Section 3.5 Programming Using the Keypad Tools Menu, page 10*.

How do I set the address for the D1265 keypad?
Hold the Zero key for approximately 10 seconds.

Where can I find free documentation and on-line support for this product?
Go to www.boschsecurity.us.

What is the default passcode to enter into the web browser for the B420 Ethernet Communication Module?
The correct default passcode is: B42V2.

How do I add an EN1224-ON keyfob per user?
Use the CMD 56 menu to add a keyfob to the desired user.

How do I add or remove an RF Point from the B820 SDI2 Inovonics Interface Module?
At the keypad, enter in [99] [Enter], followed by [Tools Menu], and then [RF Points].

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