F01U143074-08

Incorrect wiring will damage this equipment.
Suitable for dry indoor use only.
Devices powered by any power output must be supervised.

BOSCH
D9412GV3

Commercial Protected-Premises Control Panel

WARNING!
To prevent risk of electric shock, disconnect AC power and telephone lines before servicing.

LEDs Off when Normal

10.2 VDC - Battery Load Shed

YELLOW - Charging Status

RED - Low Battery - 12.1 VDC

SDI Connector

Refer to the *D9412GV3/D7412GV3 Approved Applications Compliance Guide* (P/N: F01U143069) for System Wiring Diagram, Issue A and for compatible smoke detectors. 2-wire Compatible Identifier "A".

Minimum system requirements for Classification in accordance with ANSI/SIA CP-01-2007:
UL Listed and Classified control unit Model D9412GV3, D7412GV3, or D7212GV3;
UL Listed and Classified keypad Model D1256, D1257, D1260, D1255, D1255R, or D1255RB;
UL Listed Local Bell

Reset Pin
Disable all except Battery Charging and Programming

1 CLASS 2 TRANSFORMER
16.5 VAC 40 VA 60 Hz
Model D1640
Internally Fused - Do not short
2 Requires Unswitched Outlet
Do not share with other equipment.

3 + AUX POWER

4 BATTERY NEGATIVE ONLY
CAUTION: Avoid damage to Panel. Do not connect 24 V to terminals.
5 Maximum charging current 1.4 A
BATTERY POSITIVE ONLY.

6 RELAY A
7 RELAY B
8 RELAY C

PROGRAMMABLE ALARM OUTPUTS
Terminals 6 and 7

SWITCHED AUX
Terminal 8

9 COMMON

10 EARTH GROUND

S4 GROUND FAULT DETECT
Enabled
Disabled

PHONE LINE SEIZED LED
ON when communicating
OFF when Idle
RED
TIP RING
TELCO CORD MODEL D161

POWER SUPPLY REQUIREMENTS

The Power Supply provides a maximum of 1.4 Amps for the Control Panel and all Accessory Devices. For System Loading, refer to the *D9412GV3/D7412GV3 Operation and Installation Guide* (P/N: F01U143070).

All external connections except Terminal 5 (battery positive) are inherently power limited. Requirements for battery standby time might reduce allowable output.

CAUTION: Refer to the *D9412GV3/D7412GV3 Operation and Installation Guide* (P/N: F01U143070) for Power Requirements relating to Terminals 6 and 7.

WARNING!
Multi-Battery installation requires Model D122 or D122L Dual Battery Harness. Improper installation can be a fire hazard.

Battery: Replace every 3 to 5 years with one or two Model D126 or D1218 12 V Lead Acid Batteries.

This equipment should be installed in accordance with the NFPA 70 (National Electrical Code) and NFPA 72 (National Fire Alarm Code).

Not suitable for remote station protected premises services where separate transmission circuits are required for fire, supervisory (when applicable) and trouble signals when using D185.

The D9412GV3 Control Panel is UL Listed For Central Station, Remote Station, Local, Auxiliary, Proprietary, and Household Fire Alarm, and Central Station, Local, Proprietary, Police Station Connect, Household Burglar Alarm and Encrypted Line Security when communicating via a network.

System is intended to be checked by a Qualified Technician at least every 3 years.
The types of initiating circuits the control panel has been approved for are A, M, W, SS.
The types of signaling the control panel has been approved for are DAC, OT, NC, RevPol.

ON-BOARD POINTS
1.0 kΩ Resistor Required at End of Line

VOLTAGE RANGES
Open 3.7 - 5.0 VDC
Normal 2.0 - 3.0 VDC
Short 0.0 - 1.3 VDC

Point 1 Point 2 — 11 12 13
Point 3 Point 4 — 14 15 16
Point 5 Point 6 — 17 18 19
Point 7 Point 8 — 20 21 22

PERIPHERAL DEVICE CONNECTIONS

RED	POWER +	32
YELLOW	DATA BUS A	31
GREEN	DATA BUS B	30
BLACK	COMMON	29
NFPA Style 4.0 Signaling Line Circuits	ZONEX OUT 1	28
	ZONEX IN 1	27
	NOT USED	26
	NOT USED	25
	ZONEX POWER +	24
	ZONEX COMMON	23

Point 8, S3 Option
Closed = 1 kΩ EOL Normal Operation
Open =AB-12 UL Bell Box 220 kΩ

Operation Monitor LED
Pulses when Normal
Flickers when Ringing
GREEN