

Parallel Printer Interface D9131A

Installation Guide

1.0 Description

The Bosch Security Systems, Inc. D9131A Parallel Printer Interface is an accessory for the Bosch D9412GV2, D7412GV2, D7212GV2, D9412G, D7412G, D7212G, D9412, D7412, D7212, and D9112 Control Panels. The D9131A connects to a standard parallel printer via a standard parallel printer cable. A four-wire connection, of up to 305 m (1000 ft), connects the remotely located D9131A Printer Interface to the control panel. The D9131A prints a two-line message for each selected event that occurs. The D9412GV2, D9412G, D9412, and D9112 supervise three printers. Each printer requires a separate D9131A Printer Interface Module. The D7412GV2, D7212GV2, D7412G, D7212G, D7412, and D7212 supervise one printer with a D9131A.

On-premises recording of selected events allows you to review events on an as-needed basis. This capability reduces the number of telephone calls to the receiver from both the user and the technician, as well as reducing the number of reports from the control panel to the receiver.

2.0 Specifications

Operating Voltage	12 VDC nominal, powered by the control panel
Current Draw	Idle: 21 mA Transmitting: 23 mA
Operating Temperature	0°C to +50°C (+32°F to +125°F)
Wire Distance	Maximum of 305 m (1,000 ft) using 22 AWG solid copper wire
Parallel Data Output	Data is sent to the D9131A at a rate of 9600 baud on the SDI Bus. The actual print time depends on the printer used.
LED Indicators	The green LED on the back of the D9131A indicates the D9131A is being addressed by the control panel and the D9131A has successfully decoded the information.
Printers	Continuous-feed printers, such as dot matrix printers, are recommended.



The D9131A is compatible only with the D9412GV2, D7412GV2, D7212GV2, D9412G, D7412G, D7212G, D9412, D9112, D7412, and D7212 Control Panels. It is not compatible with the D9112B1, D7212B1, or D7112 Control Panels.



Only the D9412GV2 and D7412GV2 are 9th Edition UL 864 listed panels. The D9412G, D7412G, D9412, D9112, and D7412 are 8th Edition UL 864 listed control panels suitable for retrofit applications only.



The ICP-SDI-9114 module is required for Commercial Fire applications. For wiring requirements, refer to the *ICP-SDI-9114 SDI Splitter Installation Guide* (P/N: F01U030068).



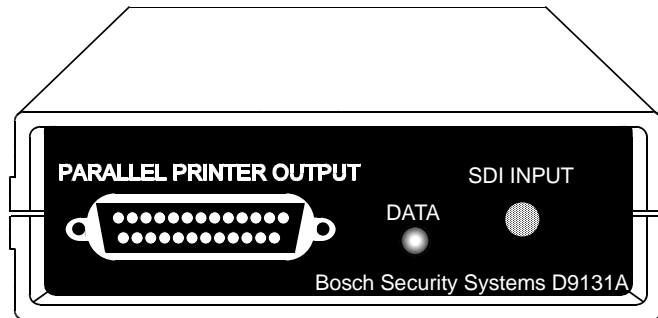
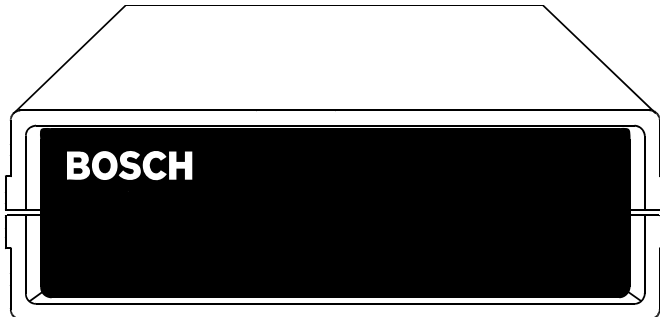
For all applications, install the D9131A in the same room as the printer.



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3.0 Features

- Uses a standard parallel printer
- On-premises recording of D9412GV2, D7412GV2, D7212GV2, D9412G, D7412G, D7212G, D9412, D9112, D7412, and D7212 system events
- Simple four-wire installation
- Installation up to 305 m (1,000 ft) from the control panel
- Complete event information including Date, Time, Event, Account Number, Area Number, User ID, Point Number, and Point Text
- Three supervised D9131As and printers supported by one D9412GV2/D9412G/D9412/D9112. One supervised D9131A and printer supported by the D7412GV2/D7212GV2/D7412G/D7412/D7212G/D7212
- Programmable "Scope" allows the printer to print a specific area's information, an account's information, or panel-wide information
- You can program the control panel to report the following selected events: Fire Events, Burglar Events, Access Events (D9412GV2, D7412GV2, D9412G, D7412G, D9412, D7412 only), User Events, Test Events, Diagnostic Events, Auto Function Events, RAM Events, Relay Events, Point Events, User Change Events



4.0 Installation

4.1 Wiring the D9131A to the Control Panel

You can place the D9131A up to 305 m (1000 ft) from the panel.

Terminal Connections	
D9131A	Control Panel
SDI PWR	32
SDI-A	31
SDI-B	30
SDI COM	29

4.2 Connecting the D9131A to the Printer

Use a standard parallel printer cable. One end should be a Centronics connector, and the other a DB25 male connector. The parallel printer connector on the D9131A is a DB25 female connector.

5.0 Switch Settings

Switches 1 and 2 in each D9131A determine its address. Switch 4 determines whether or not a form feed is provided and a page header is printed. Switches 3, 5, and 6 are not used.

After changing switch settings, the D9131A must be powered off then back on, otherwise the change in switch settings has no effect.

5.1 Printer Address

The address of each D9131A must match the corresponding address programmed in the control panel. See below for switch settings for printers 17, 18 and 19. The D7412GV2, D7212GV2, D7412G, D7212G, D7412, and D7212 use address 17. The D9412GV2, D9412G, D9412 and D9112 use addresses 17, 18, and 19.

Printer Address	Switch Settings
Printer 17	1 and 2 ON
Printer 18	1 OFF, 2 ON
Printer 19	1 ON, 2 OFF

The first two switches determine the printer address.

5.2 Header and Form Feed

Switch 4 determines if a header and form feed are provided. Put switch 4 in the ON position to print the header and provide a form feed.

Turn off the header and form feed feature if you are using a print spooling device to have multiple D9131A interfaces connected to a single printer.

6.0 FCC Notice

Part 15

This equipment generates, uses, and can radiate radio frequency energy. If it is not installed and used in accordance with the manufacturer's instructions, it may cause interference to radio and television reception. It has been tested and found to comply with the specifications in Part 15 of FCC rules for Class B Computing Devices.

If this equipment causes interference to radio or television reception — which can be determined by turning the equipment on and off — the installer is encouraged to correct the interference by one or more of the following measures: 1) Reorient the antenna of the radio/television. 2) Connect the AC transformer to a different outlet so the control panel and radio/television are on different branch circuits. 3) Relocate the control panel with respect to the radio/television.

If necessary, the installer should consult an experienced radio/television technician for additional suggestions, or send for the "Interference Handbook" prepared by the Federal Communications Commission. This booklet is available from the U.S. Government Printing Office, Washington D.C. 20402, stock number 004-000-00450-7.

