



Model 5824 Serial/Parallel Gateway Module



Gives you the ability to print on-site reports from your IntelliKnight[®] system and to interface with other systems, such as building control software

With one parallel and one RS-232 serial port, the 5824 Serial/Parallel Interface allows you to connect virtually any standard PC-compatible printer to the IntelliKnight system and to generate reports on-site. You can print a log of real-time events and generate user-friendly reports of event history and detector status. And, because a system can have multiple 5824s, you can locate printers strategically within the installation.

The 5824 also provides the Gateway interface for communicating to other systems, such as a building control system. The Gateway protocol is a data stream produced by the FACP that can be used to display system events on a PC monitor. The protocol allows a building control system to handle events and to silence or reset the FACP.

The 5824 connects to the IntelliKnight panel via the RS-485 system bus. Wire runs can be up to 6,000 feet from the panel.

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The 5824 has one parallel port and one RS-232 serial port for compatibility with most printers. Two 5824 interfaces can be used with the system, and each can be located as far as 6,000 feet from the IntelliKnight panel, allowing for flexibility in locating printers and accessing data.

The 5824 Gateway protocol allows for interface with other systems, such as building control systems.

Operation

The 5824 can be configured to log events as they occur; print an event history report (a report of the up to 1000 events in the event history buffer); or print a status report of all detectors in the system. The reports print in an easy-to-read format.

The Gateway protocol is a data stream produced by the panel which allows events, including FACP Silence and Reset, to be handled by building control software.

Features

- Allows connection of standard computer printers.
- Gateway protocol provides interface with building control programs.
- Displays events on a PC monitor
- Quick and easy to install.
- DIP switches for setting ID codes
- Prints detector status reports.
- Housed in a sturdy, wall-mountable, plastic enclosure.
- Out of paper/system trouble annunciated at fire panel.
- Parallel and RS-232 serial output
- Date, time, and event in user-friendly report format.
- UL listed, complies with NFPA 72 and 101
- UL listed with the Okidata Microline 320 parallel printer.
- FM approved



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Specifications

Operating Voltage:	24 VDC
Current:	45 mA (alarm and Standby)
Max. per system:	8
Ambient Temperature	32°F to 120°F (0°C to 49°C)
Wiring distance from IntelliKnight Panel:	Up to 6,000 feet
Mounting:	Surface
Dimensions:	6"W x 7-3/4"H x 1-7/16"D
Color:	Gray



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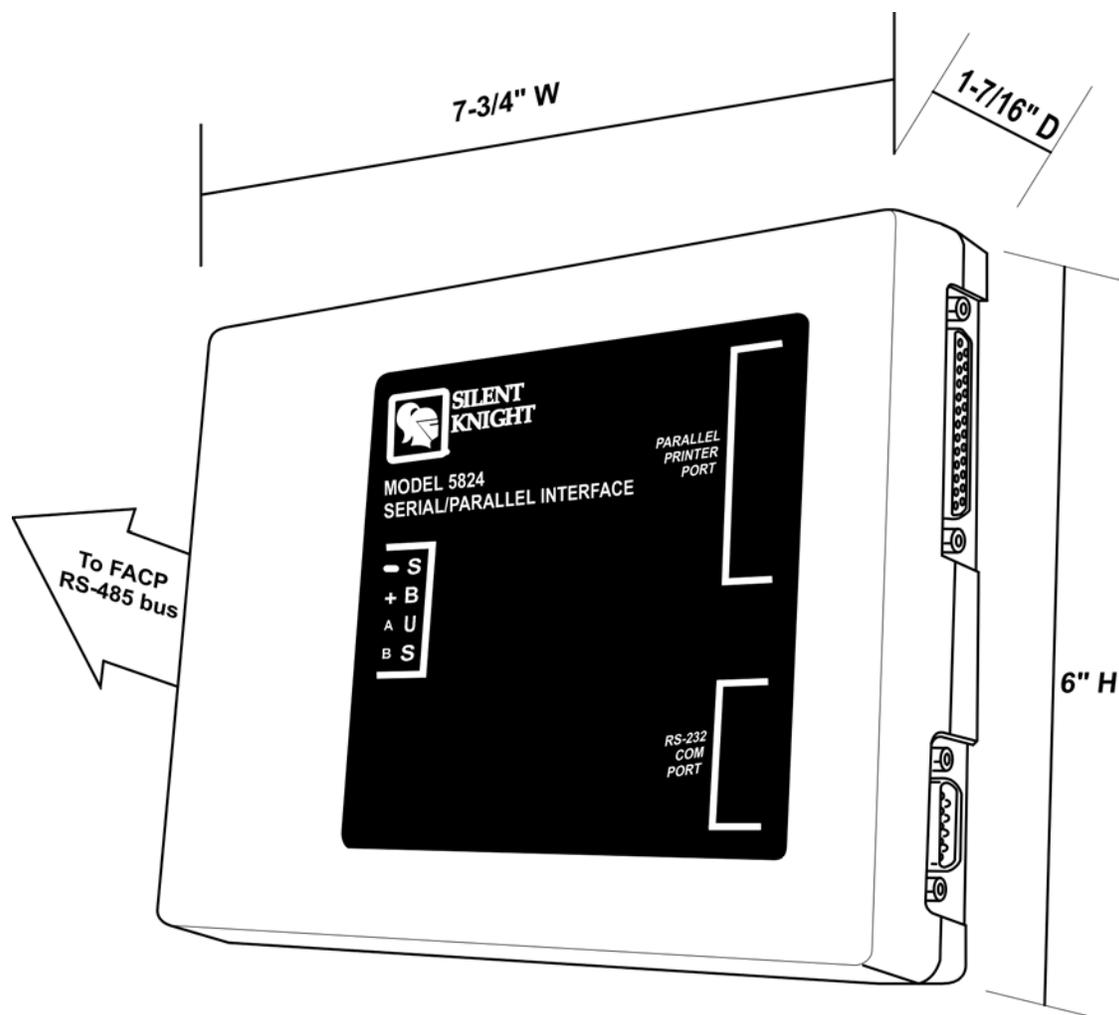


Engineering Specifications

The serial/parallel gateway module must be compatible with a IntelliKnight fire alarm control panel and with any standard PC-compatible printer such as the type normally connected to a computer. The FACP must support up to eight 5824 gateway modules.

The unit shall contain two ports, one parallel and one RS-232 serial and must allow for printing the following types of IntelliKnight system data reports: event log, event history, and detector status.

The unit shall use a Gateway protocol that allows for communication with other systems, such as building control software.



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