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Desigo® Fire Safety Modular system
Remote Printer Module
Model RPM

Architect & Engineer Specifications

☐ **Supervised intelligent module**
- **Provided within its own enclosure**

☐ **Provides an interface to remote printers**
- **Two (2) serial ports and (1) parallel port provided**

☐ **Supports 'Class B' (Style 4) or 'Class A' (Style 7) wiring**

☐ **Downloadable module firmware**

☐ **Built-in transient protection**

☐ **Plain-decimal addressing**

☐ **UL864 & CAN / ULC-S576 Listed;**

Product Overview

The Remote Printer Module (Model RPM) provides a means of connecting the Desigo Fire Safety Modular system to a parallel printer for creating a hard copy of system status and configuration reports. Simultaneously, Model RPM provides a Foreign System Interface (FSI) output port that can be configured to communicate with external systems, such as building management systems.

Specifications

Model RPM, which is remotely connected to the HNET communication bus from any Model NIC-C output in a Desigo Fire Safety Modular system enclosure, uses `Class B' (Style 4) or `Class A' (Style 7) wiring. Moreover, there are two (2) RS—232 (serial) ports and one (1) parallel port that allow connection to a parallel printer (such as Model PAL-1) with the simultaneous operation of the FSI serial port or a connected serial port.

Each FSI serial port can be configured as RS—232 or RS—485, and will provide data to a monitoring system with no control capabilities.

Each FSI is also to be used for primary or secondary monitoring of the Desigo Fire Safety Modular system by the foreign system. Control of the Desigo Fire Safety Modular system through this port is only allowed for use with authorized UL Listed products. The communication is bi-directional, and includes 'handshakes' to verify that data sent by the Desigo Fire Safety Modular system has been received by the monitoring system.

When Model PAL-1 is used with the remote printer module, Model RPM supervises the printer for ON / OFF Line | Power On, Paper Out | Paper Jam | and wiring-fault conditions, as required by UL for NFPA 72 proprietary systems. Event and report printing is generated at the Operator Interface (OI) on the main Desigo Fire Safety Modular system.

Model RPM has integral mounting flanges to allow the module to be mounted unobtrusively under a table or behind a desk. Model RPM requires 24VDC, nominal input power, which can be provided from a Model PSC-12 Power Supply or Model PSX-12 Power Supply Extender in each Desigo Fire Safety Modular system enclosure.

Model RPM
Remote Printer Module

Specifications – (continued)

Power from other UL Listed 24VDC power sources is also acceptable. Model RPM has screw terminals capable of supporting 12 to 22 American Wire Gauge (AWG) wires.

Communication with the Desigo Fire Safety Modular system is done by connection to the NIC-C network interface card using 'Class B' (Style 4) or 'Class A' (Style 7) wiring.

The H-Net communication from the Desigo Fire Safety Modular system can be terminated from Model RPM, or may pass through for communication with other modules.

Diagnostic light-emitting diodes (LEDs) on each Model RPM indicate power and communication status.

Temperature and Humidity Range

The Remote Printer Module is UL 864 9th Edition listed for indoor dry locations within a temperature range of 120+/-3°F (49+/-2°C) to 32+/-3°F (0+/-2°C) and a relative humidity of 93+/-2% at a temperature of 90+/-3°F (32+/2°C).

Electrical Ratings

24V CURRENT DRAW [Back Plane]	0
24V CURRENT DRAW [Screw Terminal]	150mA
6.2V CURRENT DRAW [Back Plane]	0
24V CURRENT DRAW [Standby]	150mA

Details for Ordering

MODEL OR TYPE	PART NUMBER	PRODUCT
RPM	500-033270	Remote Printer Module for the Desigo Fire Safety Modular system
PAL-1	500-692407	UL Listed Parallel Printer

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Desigo® Fire Safety