

Desigo® Fire Safety Modular system Remote Network Interface Model RNI

Architect & Engineer Specifications

- Connects equipment mounted in a remote lobby enclosure to Desigo Fire Safety Modular system
- Built-in transient protection
- Communicates via H-Net | X-Net and CAN protocols
- Supports 'Style 4' or 'Style 7' wiring
 - CAN wiring: 'Style 4' only
- Local sounder included
- Supports remote enclosure tamper switch
- UL864 & CAN / ULC-S576 Listed;

Product Overview

The Remote Network Interface (Model RNI) provides a remote-connection point for equipment mounted within the lobby enclosure of the Desigo Fire Safety Modular system fire alarm control panel (FACP). Model RNI is also used to provide additional remote input, output and control features to each Desigo Fire Safety Modular system FACP.

These additional features may include control switches and indicators (Models SCM-8, LCM-8 and FCM-6); remote emergency-paging microphones or telephones (Models LVM, FMT); controls used in graphic annunciators (Models SIM-16, OCM-16), or system-status display with the ability to acknowledge alarm, silence audibles and reset the system (Model SSD-C-REM). Model RNI can be mounted in the Model REMBOX2 or Model REMBOX4 remote lobby enclosure.

Specifications

The Remote Network Interface (Model RNI) can connect to the Control Area Network (CAN) bus through terminals on any Model PSC-12 Power Supply.

The connection will allow the use of remote switches and light-emitting diodes (LEDs) in the enclosure, via the Switch Module (Model SCM-8); the Fan-Control Module (Model FCM-6), and the LED Control Module (Model LCM-8).

Adding a connection from Model RNI to the low-level audio or telephone riser on any Model PSC-12 power supply will allow the use of a remote microphone (Model LVM) or a remote master telephone (Model FMT) in the enclosure.



Model RNI
Remote Network Interface



Specifications – (continued)

Model RNI provides transient protection for system modules connected to it in the remote enclosure. Model RNI also supports the connection of a local enclosure tamper switch. A local sounder on Model RNI can be used to alert operators to conditions that need attention. If required, the sounder can be disabled by a jumper on the control board.

Model RNI can support all applications using 24 VDC power via a Model PSC-12 Power Supply or Model PSX-12 Power Supply Extender in the system enclosure of each Desigo Fire Safety Modular system FACP. Power from other UL Listed 24VDC power sources is also acceptable.

Temperature and Humidity Range

Products are 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 mA
24V CURRENT DRAW [Screw Terminal]	75mA
6.2V CURRENT DRAW [Back Plane]	0
24V CURRENT DRAW [Standby]	75mA

Details for Ordering

MODEL OR TYPE	PART NUMBER	PRODUCT
RNI	500-033420	Remote Network Interface for the Desigo Fire Safety Modular system
REMBOX2	500-633772	Two-Module, Black Remote Lobby Box
REMBOX4	500-633914	Four-Module, Black Remote Lobby Box

NOTICE – The information contained in this data-sheet document is intended only as a summary, and is subject to change without notice. The product(s) described here has/have a specific instruction sheet(s) that cover various technical, limitation and liability information.

Copies of install-type, instruction sheets – as well as the *General Product Warning and Limitations* document, which also contains important data, are provided with the product, and are available from the Manufacturer.

Data contained in the aforesaid type of documentation should be consulted with a fire-safety professional before specifying or using the product.

Any further questions or assistance concerning particular problems that might arise, relative to the proper functioning of the equipment, please contact the Manufacturer.

SIEMENS

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