Protege WX DIN Rail 8 Zone Input Expander

The Protege WX DIN Rail 8 Zone Input expander provides the interface of up to 8 zone inputs to the Protege WX system. Protege WX is an all-in-one, web-based, cross-platform system that gives you a fully functional access control and intrusion detection solution in a fraction of the time of conventional software. The Zone Input Expander provides extensive hardware advancements that allow flexible input programming and configuration, and is designed for use with Industry Standard DIN Rail Mounting.

Feature Highlights

> Connect any combination of normally closed or normally open zones, configurable per zone input

> 8 monitored inputs (16 with input duplex mode)

> Utilizes analog to digital processing with 5x over sampling

> 4 state input alarm using resistors to provide short, alarm, closed and tamper conditions

> High performance 32 Bit processor

> Secure encrypted RS-485 module communications

> Online and remote upgradable firmware

> Designed for use with industry standard DIN Rail mounting

Power Supply

Device power is supplied from a 12VDC input. Ultra low current requirements ensure cost effective power distribution.

Connectivity and System Expansion

Expanding the Protege WX System with local inputs from the Protege WX DIN Rail 8 Zone Input Expander allows convenient cost effective expansion:

> 8 inputs (16 with input duplex mode) can be assigned to any 2 areas in the system each being processed using different options or features

> Address configuration of the Protege WX DIN Rail 8 Zone Input Expander interface is achieved using the address programming feature of the Protege WX System Controller

Communication

Single RS-485 communication interface port used for all network communication functions and interconnection to other modules.

Upgradable Firmware

Utilizing the latest flash technology and high performance communication mediums, the firmware can be updated via the Protege WX interface.

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Technical Specifications

Power Supply	
DC Input Voltage	11-14VDC
DC Output Voltage (DC IN Pass-Through)	10.83-14.0VDC 0.7A (Typical) Electronic Shutdown at 1.1A
Operating Current	50mA (Typical)
Total Combined Current*	1.5A (Max)
Low Voltage Cutout	8.7VDC
Low Voltage Restore	10.5VDC

Communication	
RS-485	Module Network

Inputs	
Inputs	8 High Security Monitored Inputs (10ms to 1hr Input Speed Programmable) 16 using input duplex mode
Trouble Inputs	16

Dimensions	
Dimensions (L x W x H)	78.4 x 90 x 44.1mm (3.08 x 3.54 x 1.73")
Weight	151g

Temperature	
Operating	0˚-50˚C (32˚ - 122˚F)
Storage	-10˚- 85˚C (14˚ - 185˚F)
Humidity	0%-93% non-condensing, indoor use only (relative humidity)

* The Total Combined Current refers to the current that will be drawn from the external power supply to supply the Input Expander and any devices connected to the Expander's outputs. The Auxiliary outputs are directly connected via electronic fuses to the N+ N- input terminals, and the maximum current is governed by the trip level of these fuses.

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