

## Protege Din Rail 16 Zone Input Expander

The Protege DIN Rail 16 Zone Input expander provides the interface of up to 16 zone inputs to the Protege system, an advanced technology security product providing seamless and powerful integration of access, security and building automation. 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
- > 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

The Protege DIN Rail 16 Zone Input Expander operates from a 12VDC input. Ultra low current requirements ensure cost effective power distribution.

### Connectivity and System Expansion

Expanding the Protege System with local input from the Protege DIN Rail 16 Zone Input Expander allows convenient cost effective expansion:

- > 16 inputs can be assigned to any 4 areas in the system each being processed using different options or features
- > Address configuration of the Protege DIN Rail 16 Zone Input Expander interface is achieved using the address programming feature of the Protege 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 using the ICT Loadit utility over the Protege system module network.

## Technical Specifications

Power Supply	
DC Input Voltage	12VDC (+/-10%)
Operating Current	80mA (Typical)
Low Voltage Cutout	8.7VDC
Low Voltage Restore	10.5VDC
Communication	
RS-485	Isolated Module Network
Inputs	
Zone Inputs	16 (10ms to 1hr Input Speed Programmable)
Tamper	1 (Normally Closed)
Trouble Zone	16
Dimensions	
Dimensions (L x W x H)	156.8 x 90 x 60mm (6.17 x 3.54 x 2.36")
Weight	407g (14.36oz)
Temperature	
Operating	5° - 55° Celsius (41° - 131° Fahrenheit)
Storage	-10° - 85° Celsius (14° - 185° Fahrenheit)
Humidity	0%-85% (Non-Condensing)

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