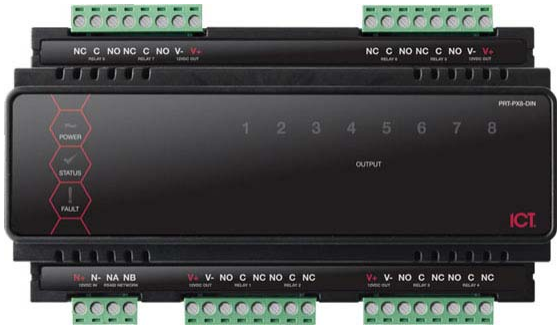
Protege Din Rail 8 PGM Output Expander

The Protege DIN Rail 8 PGM Output Expander provides the control of 8 high current Form C relay outputs to the Protege system, an advanced technology security product providing seamless and powerful integration of access, security and building automation. The Output Expander provides extensive hardware advancements that allow flexible and structured control of lighting and automation systems, and is designed for use with industry standard DIN Rail mounting.



Feature Highlights

- 8 Form C relays capable of switching resistive loads up to 7 Amps
- Ideal for connection in an electrical switch room to control signage, lighting and building automation
- LED indicators to show state of all on board relays
- 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 8 PGM Output Expander operates from a 12VDC input. Ultra low current requirements ensure cost effective power distribution.

Connectivity and System Expansion

Expanding the Protege System with outputs from the Protege DIN Rail 8 PGM Output Expander allows convenient, cost effective expansion and added benefit of:

- 8 multiple function outputs for use in any programmable output entry
- Ideal for connection in an electrical switch room to control signage, lighting and building automation
- Address configuration of the Protege DIN Rail 8 PGM Output Expander interface is achieved using the address programming feature of the Protege System Controller
- Outputs can be configured to automatically turn on when powered up, communication failure, or to resume previous state

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
Outputs	
PGM Outputs	8 FORM C Relays, 7A 250V Max
Inputs	
Tamper	1 (Normally Closed)
Dimensions	
Dimensions (L x W x H)	156.8 x 90 x 60mm (6.17 x 3.54 x 2.36")
Weight	482g (17oz)
Temperature	
Operating	5˚- 55˚ Celsius (41˚ - 131˚ Fahrenheit)
Storage	-10˚- 85˚ Celsius (14˚ - 185˚ Fahrenheit)
Humidity	0%-85% (Non-Condensing)