Security Expert Security Purpose IO Expansion

The Security Expert Security Purpose IO Expansion provides up to 8 zone inputs and 4 high current Form C relay outputs. With extensive hardware advancements that allow flexible input programming, structured control of lighting and automation system configuration. .

Feature Highlights

- Connect any combination of normally closed or normally open inputs that are configurable per input

- Utilizes analog to digital processing with 5x over sampling

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

- 4 FORM C relays capable of switching resistive loads up to 7 Amps

- High performance 32 Bit processor

- 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

Expansion of the Security Expert system with local inputs and outputs allows for a convenient cost effective expansion with the added benefit of:

- 8 inputs that can used to perform any system alarm and automation functions

- 4 multi-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 is achieved using the address programming feature of the Security Expert System Controller

- Outputs can be configured to automatically turn on when powered up, on 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 Loadit utility over the system module network.

Technical Specifications

Power Supply	
DC Input Voltage	12VDC (+/-10%)
DC Output Voltage (DC IN Pass-Through)	12VDC 0.7A (Typical) Electronic Shutdown at 1.1A
Operating Current	80mA (Typical)
Low Voltage Cutout	8.7VDC
Low Voltage Restore	10.5VDC
Communication	
RS-485	Isolated Module Network
Outputs	
Outputs	4 FORM C Relay Outputs, 7A 250V Max
Inputs	
Inputs	8 (10ms to 1hr Input Speed Programmable)
Trouble Inputs	16
Dimensions	
Dimensions (L x W x H)	156.8 x 90 x 60mm (6.17 x 3.54 x 2.36")
Weight	290g (10.23oz)
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)

Ordering Information

SP-IO84	Security Expert Security Purpose IO Expansion

Schneider Electric | Building Business   www.schneider-electric.com/buildings

April 2018

Trademarks and registered trademarks are the property of their respective owners.

Regulatory Notices

Federal Communications Commission (FCC)

FCC Rules and Regulations CFR 47, Part 15, Class A.

This equipment complies with the limits for a Class A digital device, pursuant to Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference; (2) This device must accept any interference received, including interference that may cause undesired operation.

Industry Canada

ICES-003

This is a Class A digital device that meets all requirements of the Canadian Interference-Causing Equipment Regulations.

CAN ICES-3 (A)/NMB-3(A)

RCM (Australian Communications and Media Authority (ACMA))

This equipment carries the RCM label and complies with EMC and radio communications regulations of the Australian Communications and Media Authority (ACMA) governing the Australian and New Zealand (AS/NZS) communities.

CE – Compliance with European Union (EU)

Conforms to European Union (EU) Low Voltage Directive (LVD) 2014/35/EU, Electro-Magnetic Compatibility (EMC) Directive 2014/30/EU and RoHS Recast (RoHS2) Directive: 2011/65/EU.

This equipment complies with the rules of the Official Journal of the European Union for governing the Self Declaration of the CE Marking for the European Union as specified in the above directive(s).

Schneider Electric | Building Business www.schneider-electric.com/buildings
Trademarks and registered trademarks are the property of their respective owners.

April 2018