Next Generation Sub-Controller

Extend your Access Control system with the IO168's 16 high-precision sensor inputs and 8 relay outputs. The large number of inputs and outputs enables full control of additional doors, monitoring extensive sensor networks, and elevator control. Plug-in expansion module adds 8 more relay outputs.

The IO168 communicates with proprietary or OSDP protocols, both fully encrypted. Relative to the quantity of hardware interfaces, the IO168 consumes minimal power and is even offered with a PoE+ option.

The IO168 is supported through UnityIS.

Features:

- Open Hardware Platform
- 16 supervised or unsupervised alarm inputs
- 8 outputs for strike or alerting system control
- Network or serial communications to IC
- Elevator Control
- Locally link able inputs and outputs
- Expansion port for additional I/O
- PoE+ Option

High Precision Alarm Inputs:

- Supervised Input circuitry is designed to maintain stability and reliability in even the most extreme conditions
- Software and Hardware filtering suppresses noise and eliminates false alarms

Energy Efficient

- Low power consumption compared to other panels with similar hardware interface

Made in the USA

Hardware Interface

- 16 Configurable Supervised/Unsupervised Inputs
- 8 Form-C Relay Outputs > 2A @ 30VDC MAX rating
- 2 Unsupervised Inputs > Cabinet Tamper > Power Supply Fault
- Up to 1 Network Port > 10/100 Fast Ethernet
- Upstream RS485 Comm Port > 9,600 to 115,200 baud > 4-wire & 2-wire interface supported
- Expandable IO Port > Plug-in module adds 8 more relay outputs
- DIP switches for configuring hardware interfaces > Configure input supervision type, serial com address, & baud rate

Security

- OpenSSL
- TLSv1.2 AES256-SHA256 with TLS Server/Peer certificate checking
- OSDP
- Encrypted firmware

Local I/O Linking

- Logical linking of inputs & outputs that can operate independently of the intelligent controller

Power

- Input Power (VIN): > 12-24VDC; 200mA typical MAX current
- PoE+

Network and Host:

- IPv4 / IPv6
- SNMP

OSDP

- Supports OSDP along with proprietary communication protocols to the controller

Operating Temperature

- -40°C to +85°C
- 5% to 95% humidity

Dimensions:

- 7.5in (190.5mm) x 5.5in (139.7mm) x 0.75in (19mm)

Weight:

- 0.4 pounds (181.5 grams)

Regulatory Compliance

- UL 294, UL294B, UL1076, UL2610
- ULC / O RD C1076
- CE Compliant
- FCC Part 15 Class A
- RoHS / Pb (Lead) Free

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