StarGate-5
IDS Alarm Panel

INTRUSION DETECTION TECHNOLOGY

Designed to function both as a standalone intrusion detection system for central station monitoring and as a cohesive part of the StarWatch™ security platform, the StarGate-5 provides secured, open connectivity for diverse applications. With native BACnet® as an option, the StarGate-5 can communicate with any ANSI/ASHRAE 135-2010 compliant system, enabling seamless integration of intrusion detection, security, and building management systems.

The StarGate-5 controller provides 8 on-board I/O points, expandable in sets of 8 points via RIOX-5 expansion modules (up to 128 I/O points total). The panel can be installed directly or housed within a metal enclosure with an optional 24VDC power supply. The unit can also provide local battery back-up charged by the local power supply or PoE+ supply.

USER AUTHENTICATION

In addition to traditional PIN-based arming/disarming, the StarGate-5 supports a SAML-based user authentication process, allowing customers to centrally and uniquely manage who can arm/disarm their facilities.

Via an integrated LCD touchscreen, users are prompted to enter a unique user name/password combination, which is validated against a centralized SAML server. This process provides the highest level of IDS authentication and security.

Incorporating PoE+ and BACnet technology, the versatile StarGate-5 panel provides an innovative, reliable IDS solution for commercial and military applications

KEY FEATURES

- PoE+ native BACnet intrusion detection panel

- Status indication LEDs and icons reduce installation and configuration time

- PoE+ design powers unit and LCD touch panel

- 4 state alarm monitoring

- Advanced SAML user authentication

- 8 on-board inputs and 8 outputs, expandable to 128 inputs and 128 outputs via RIOX-5 modules

- PoE+ build option

FACILITIES

Connects to central stations via Contact ID over IP/Cellular

Connects to third-party BACnet compliant systems

Inputs
- 8 on-board tamper protected inputs, expandable to 128 with RIOX-5 cards
- Capable of detecting normal, alarm, tamper short, and tamper open

Outputs
- 8 on-board relay outputs, expandable to 128 with RIOX-5 cards
- Each contact is Form C selectable as 1 Form A or 1 Form B, rated for 10A at 125VAC

Plug and play network connection

UL 1076 - Proprietary Burglar Alarm Units/Systems

UL 1610 - Central-Station Burglar-Alarm Units

FCC Part 15 Class A (board), B (enclosure)

ULC ORD C1076 - Proprietary Burglar Alarm Units/Systems

Up to three 7" 800x480 LCD touch panel interfaces

TECHNICAL DATA

Processor	• 1000 MHz ARM Cortex A9
Memory	• 512 MB RAM • 512 MB Flash
Operating System	• Linux
Database	• SQL Lite

ENVIRONMENTAL

Operating	• -40 to +70°C
Storage	• -40 to +70°C
Humidity	• up to 93% non-condensing at 40°C
EMC	• BS EN 55022 • BS EN 50082-1
Dimensions	• 10 in (25.4 cm) x 6 in (15.2 cm)

TECHNICAL SPECIFICATIONS

ELECTRICAL

Supply
- PoE+: 25.5W (min) 34.2W (max)*
- DC: 24V +/- 25% 50W (min)

Power Available for External Equipment
- DC: 24W (max) total
- 12.5V +/- 10% @ 2A

Battery
- Type: Lead-acid
- Voltage: 12V
- Capacity: 7Ah (recommended)
- Note: battery charge times will be extended when using a larger capacity battery. Battery connection incorporates reverse polarity protection.

Outputs
- 0.2A at 13.8V for charging backup battery, 12.5V on PoE+*
- 50mA @ 12.5VDC +/- 10% power for each sensor (8 total)

Fuse
- F1 = 3A

ADDITIONAL FEATURES

Micro SDHC card support

USB 2.0 interface

128 bit encryption

FIPS 201 compliant

Two RS232 serial ports

Two RS485 serial ports

Dual gigabit ethernet ports, one with PoE+*

Expansion modules: I/O, 202 modem, Arcnet, Z-Wave

Optional cellular modem

CAN BUS

* requires PoE+ build option

CONTACT

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