

16-Input Control Module



Overview

The ISC-16 Series 3 is dedicated to point control and monitoring, and can be used for a variety of applications including status annunciation and alarm monitoring applications as well as door and elevator control. The ISC-16 has 16 configurable input points and 2 relay outputs. It supports normally open, normally closed, supervised and non-supervised circuits.

The ISC-16 is an essential component for adding additional inputs or monitor points to your access control system design. The ISC-16 provides the capacity to link, control and respond to an array of sensors and communicates securely with any SSP intelligent controller by standard 2-wire RS-485 communication.

ISC-16

(Mercury MR16IN - Series 3)

Features

- 12 or 24 VDC power
- 16 programmable inputs w/optional supervision
- 2 Form-C relay outputs (fail-safe or fail-secure)
- Dedicated tamper and power failure circuits
- Downloadable firmware
- On-board jumper for EOL termination
- DIP switch-selectable addressing
- AES 128/256 bit data encryption
- Compatible with current and previous versions of DNA Fusion™

Benefits

- **Open Architecture:** Mercury high performance, reliable open hardware platform
- **Easy Expansion:** Adds functionality and flexibility to existing access control systems
- **Enhanced Security:** Embedded crypto memory chip provides secured layer of encryption to protect sensitive data (AES 128-bit or 256-bit)
- **Versatile Interoperability:** Same reliable interface and identical footprint as Series 2 input modules, enabling seamless upgrades for existing deployments

ISC-16 Input Control Module

Specification

Primary Power	12-24 Vdc +/- 10%, 350mA maximum
Host Comm	RS-485, 2-wire, 4,000' (twisted pair with shield, Belden 9841)
Inputs	16 General Purpose: Programmable circuit type 2 Dedicated: Tamper and Power Monitor
Output Relays	Two Form-C Relays: Normally open (NO): 5A @ 30 Vdc resistive Normally closed (NC): 3A @ 30 Vdc resistive
Dimensions	6.0"W x 8.0" L x 1.0" H, (152mm W x 203mm L x 25mm H)
Temperature	0-70 °C operational, -55-85 °C storage
Humidity	5 to 95% RHNC
Standards	UL 294 recognized, CE compliant, RoHS, FCC Part 15 Subpart B

Application

