

16-Output Control Module



Overview

The OSC-16 Series 3 is dedicated to point control and monitoring, providing 16 general-purpose outputs as Form C relay contacts. The OSC-16 also provides individually configurable parameters that can be set for timing and for fail-safe versus fail-secure operation.

The OSC-16 is configurable to control a variety of devices such as lighting, heating/cooling, door and elevator control. Devices can also be activated by the condition of selected system devices, either locally or regionally, without host intervention. The OSC-16 communicates securely with any SSP intelligent controller by standard 2-wire RS-485 communication.

OSC-16

(Mercury MR16OUT - Series 3)

Features

- 12 or 24 VDC power
- 16 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

OSC-16 Output Control Module

Specification

Primary Power	12-24 Vdc +/- 10%, 1100mA maximum
Host Comm	RS-485, 2-wire, 4,000' (twisted pair with shield, Belden 9841)
Inputs	2 Dedicated: Tamper and Power Monitor
Output Relays	Sixteen 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

