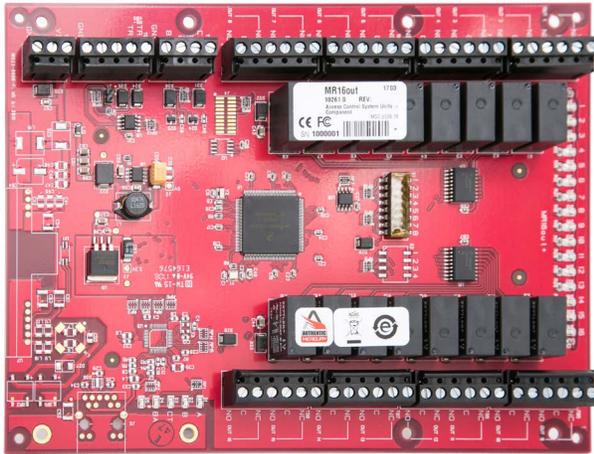


Series 3 - Serial I/O 16-output Interface panel

The Avigilon™ Access Control Manager (ACM)™ system supports open field hardware from Mercury Security allowing organizations to leverage investments in non-proprietary field hardware, with retrofit programs available for industry standard multi-device interface panels, power and communication controller boards, and intelligent controllers.



Open Architecture: High performance, reliable platform enables use of hardware with the Access Control Manager system

Easy Expansion: Adds functionality and flexibility to existing access control systems

Enhanced Security: Embedded crypto memory chip provides a secure layer of encryption to protect sensitive data

Versatile Interoperability: Same reliable interface and identical footprint as Series 2 Mercury IO modules enabling seamless upgrades for existing deployments



The Mercury Security AC-MER-CONT-MR16OUT Series 3 from Avigilon is an enhanced, high performance, reliable interface panel that offers the ability to control high concentrations of

outputs with the Access Control Manager system. It offers an improved processor and increased memory with an embedded crypto memory chip for encryption support – enabling organizations to stay ahead of internal and external threats to achieve data security.

Each AC-MER-CONT-MR16OUT is capable of supporting 16 general-purpose outputs as Form C relay contacts. Each output is configurable for fail-safe or fail secure operation, supporting “On”, “Off”, and “Pulse” commands through the AC-MER-CONT-1DR, AC-MER-CONT-2DR or the AC-MER-CONT-64DR intelligent controllers. The result is the flexibility, versatility and reliability required for demanding access control solutions.

The Access Control Manager system and Mercury Security Series 3 open field hardware provides the ultimate platform to complete the Avigilon physical access control security solution.

KEY FEATURES

- Compact footprint and RS-485 connectivity
- 12 or 24 V DC input power support
- Supports being clustered or distributed to best suit the installation environment
- Output relays support assignment to door related functions or for general purpose use
- Initiates commands by operator, by time schedules, or by events
- Output relays are configurable for fail-safe or fail secure operation
- Capable of controlling outboard devices, by the condition of selected system devices locally without ACM intervention



APPLICATION NOTES

The AC-MER-CONT-MR16OUT is an essential component to support Mercury’s flexible, building-block approach to access control system design. The versatile AC-MER-CONT-MR16OUT offers unmatched power to broaden the range of devices and building controls (such as lighting or HVAC) that can be included in system design.

Relay operation can be initiated by direct operator commands, by time schedules, or by event-based procedures. The relays support “On,” “Off,” and “Pulse” commands. A pulse can range from 0.1 seconds to over 9 hours.

Specifications

TECHNICAL SPECIFICATIONS	Primary Power	12-24 Vdc +/- 10%, 1100mA maximum
	Host Communication	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 contact (NO): 5A @ 30 Vdc resistive Normally closed contact (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

ORDERING INFORMATION	AC-MER-CONT-MR16OUT	16 Relay Output Control Module (Mercury MR16OUT-S3)
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