Intelligent Two Door Controller
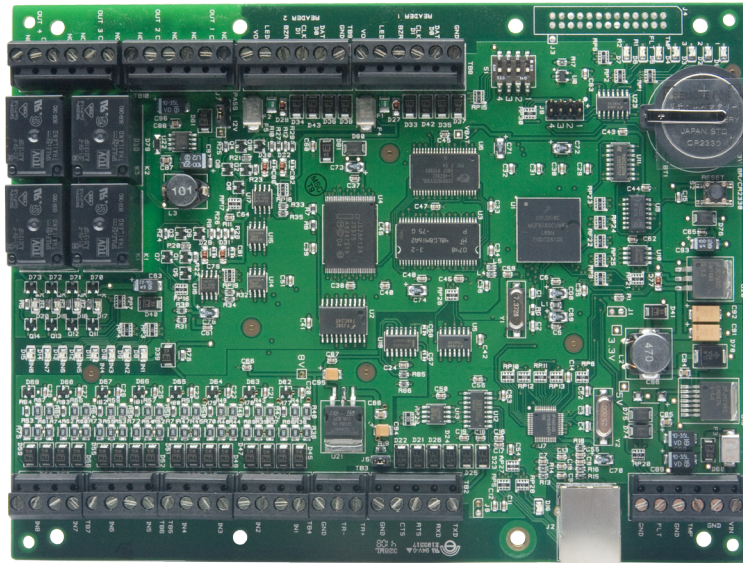
Avigilon™ Access Control Manager supports open field hardware from Mercury Security allowing organizations to leverage investments in non-proprietary field hardware, with retrofit programs available for industry standard door hardware and card readers, including contact/contactless smart card, proximity, magnetic stripe and barcode.

The AC-MER-CONT-2DR is a powerful, intelligent controller solution for managing one or two on-board readers (expandable to sixty-four (64) readers) with Avigilon's Access Control Manager (ACM). Based on the Mercury Security (EP1502), the AC-MER-CONT-2DR communicates with ACM via its on-board Ethernet port. The AC-MER-CONT-2DR includes eight (8) inputs, four (4) outputs and two (2) reader ports and easily expands I/O and readers by simply adding input, output and reader interface modules. Offering powerful flexibility the AC-MER-CONT-2DR is capable of interfacing with a wide array of reader technologies for one (1) or two (2) controlled openings. Access Control Manager and Mercury Security open field hardware provide the ultimate platform to complete the Avigilon end-to-end security solution.

KEY FEATURES

RS-485 intelligent controller that supports a variety of independent functions
Two-door interface with auxiliary I/O that expands to 64 doors
Suitable for in/out reader applications
Decentralizes system intelligence
Network ready
Provides full local processing
Interfaces with a wide array of reader technologies including Wiegand, clock and data, magnetic stripe and keypads
Onboard support for one (1) or two (2) controlled openings
Support for up to thirty-one (31) device addresses through the on board RS-485 communication port
Support for the AC-MER-CON-MR50, AC-MER-CON-MR52, AC-MER-CON-MR16IN and the AC-MER-CON-MR16OUT
Supports for the AC-MER-CON-MR51E over Ethernet

AUTHENTIC MERCURY™

Platinum Elite
MERCURY™

Specifications

TECHNICAL SPECIFICATIONS		
Primary Power	12-24 V DC +/- 10%, 500mA maximum
Serial Ports	Primary 10/100 Ethernet Port 2: RS-485, 2-wire
Inputs	8 general purpose: programmable circuit type Two dedicated: tamper and power monitor
Outputs	4 relays: Form C, 5A 30V DC
Reader Ports	2
Power	Unregulated pass through (150mA max.) Signaling Card/Data, Wiegand or RS-485
Keypad	Multiplexed with card data
LED	Two-wire or one-wire bicolor support
Buzzer	Only with 'one-wire' LED
Dimensions (W x L x H)	152mm x 203mm x 25mm; 6.0" x 8.0" x 1.0"
Temperature	Operating: 0° C to 77° C (32° F to 170° F) Storage: -55° C to 85° C (-67° F to 185° F)
Humidity	0 - 95% Relative humidity (non-condensing)
Standards	UL294 Recognized, CE Compliant, RoHS, FCC Part 15 Class A, NIST Certified Encryption

TECHNICAL FEATURES		
Connectivity	Primary Port: 10/100 Ethernet
Door Control	Two reader ports: Mag or Wiegand Eight supervised inputs, four relays. Diagnostic LEDs
Access Control	• 145,000 cardholder capacity; 50,000 transaction buffer. • 16 Access Levels per controller. • 8 digit PIN number maximum • Activation/Deactivation Dates. • If/Then Macro capability
Card Formats	8 active card formats per appliance — CAC, TWIC card compatible. Anti-passback support — Nested area, hard, soft, or timed
Alarm Management	Normally open/normally closed, unsupervised, supervised. Standard or custom end-of-line resistances.

ORDERING INFORMATION		
AC-MER-CONT-2DR	Access Platform EP1502 Door Controller (Mercury EP1502)

Network

Avigilon™
Access Control Manager

Network Switch

AC-MER-CONT-64DR — RS-485
AC-MER-CON-MR50
AC-MER-CON-MR52
AC-MER-CON-MR16IN
AC-MER-CON-MR16OUT
Reader   Reader   Reader

AC-MER-CONT-2DR — RS-485
AC-MER-CON-MR50
AC-MER-CON-MR52
AC-MER-CON-MR16IN
AC-MER-CON-MR16OUT
Reader   Reader   Reader

AC-MER-CONT-1DR — RS-485
AC-MER-CON-MR50
AC-MER-CON-MR52
AC-MER-CON-MR16IN
AC-MER-CON-MR16OUT
Reader   Reader   Reader

AC-MER-CON-MR51E
Reader

AC-MER