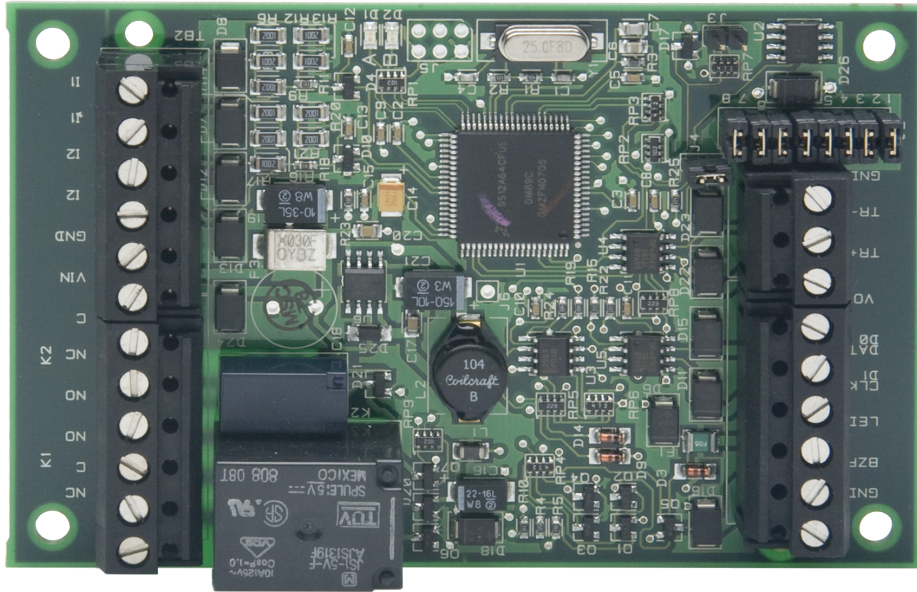


Single Reader Interface Module



CONTROLLERS

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-CON-MR50 is a low cost, high performance, single card reader, interface panel that is capable of all the I/O needed for managing a single (1) controlled opening with Avigilon's Access Control Manager (ACM). Based on the Mercury Security (MR50), each AC-MER-CON-MR50 will interface one (1) card reader, two (2) general-purpose input monitor points and two (2) control relays to provide access control and security monitoring 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. Access Control Manager and Mercury Security open field hardware provide the ultimate platform to complete the Avigilon end-to-end security solution.

KEY FEATURES

- Compact footprint and RS-485 connectivity
- 12 or 24V DC input power support
- Interfaces with a wide array of reader technologies including Wiegand, clock and data, magnetic stripe and keypads
- Supports being clustered or distributed to best suit the installation environment
- Inputs and the output relays support assignment to door related functions or to general purpose I/O
- Inputs support normally open, normally closed, supervised and non-supervised circuits
- Output relays are configurable for fail-safe or fail secure operation



Specifications

TECHNICAL SPECIFICATIONS

| | |
|------------------------|--|
| Primary Power | 12-24 V DC +/- 10%, 150mA maximum 12V DC @ 110mA nominal 24V DC @ 60mA nominal |
| Communication | RS-485, 2-wire, 4,000' (twisted pair with shield, Belden 9841) |
| Reader Port | 1 Power: Input voltage pass-through Data Card/Keypad Clock/Data, Data-1/Data-0, or RS-485 |
| LED | Two-wire, or one-wire bi-color LED support |
| Buzzer | Only with 'one-wire' LED |
| Inputs | 2 General purpose: Programmable circuit type 1 Dedicated: Tamper |
| Output Relays | Relay 1: Form-C, 5 Amp 30 VDC Relay 2: Form-C, 1 Amp 30 VDC |
| Dimensions (W x L x H) | 108mm x 70mm x 25mm; 4.25" x 2.75" x 1.0" |
| Temperature | Operating: -40° C to 75° C (-40° F to 167° F) Storage: -55° C to 85° C (-67° F to 185° F) |
| Humidity | 0 - 95% Relative humidity (non-condensing) |
| Standards | UL 294 Recognized, CE Compliant, RoHS |

ORDERING INFORMATION

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| AC-MER-CON-MR50 | Access Platform MR50 Single Card Reader Interface (Mercury MR50) |
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