CONTROLLERS

Access Platform MR50

The Access Platform MR50 is a low cost, high performance single card reader interface panel that is capable of all the I/O needed for controlling a single door. Each MR50 will interface one card reader, two general purpose input monitor points and two control relays to provide access control and security monitoring through a Mercury EP intelligent controller.

The MR50's reader port supports magnetic stripe, Wiegand and RS-485 readers. Keypads and integrated keypad readers are also supported. Hardware interface and card format settings are loaded through software commands. With its compact footprint and RS-485 connectivity, the MR50 and can be clustered or distributed to best suit the installation environment.

The inputs and the relays may be assigned to door-related functions or to general purpose I/O. The inputs support normally open, normally closed, supervised and non-supervised circuits. End–of–line (EOL) resistance values are configurable. The relays can be configured for fail safe or fail secure operation.

Application Notes

The MR50 is a versatile, reliable interface component for a single door. When connected to a Mercury EP intelligent controller, the MR50 passes access request and status change information to the intelligent controller for processing. Data and activities from selected system devices pass to other devices in the network, generating actions and activities as they transpire, independent of the host computer. Even when not connected to an intelligent controller, the MR50 is capable of locally processing access requests based on facility code verification. Up to eight facility codes may be active in each MR50.

Benefits

- Provides all I/O needed for single door control
- Easily connect to Mercury's EP intelligent controllers
- Small size versatility

Features

- 2 programmable inputs; 2 programmable relay outputs
- Multi-facility code support
- Multi-reader technology support
- AES128 bit data encryption
- HSPD-12/FIPS201 Compliant
- UL 294 Recognized
- Universal I/O device

Proven Platforms for the Future

Reliable. Proven. Innovative Access Control.

Access Platform MR50

Technical Specifications

Electrical:

Primary Power: 12-24 Vdc +/- 10%, 150mA maximum
12Vdc @ 110mA nominal
24Vdc @ 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:

One-wire, or two-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:

2.75" L x 4.25" W x 1.0" H,
(70mm L x 108mm W x 25.4mm H)

Temperature:

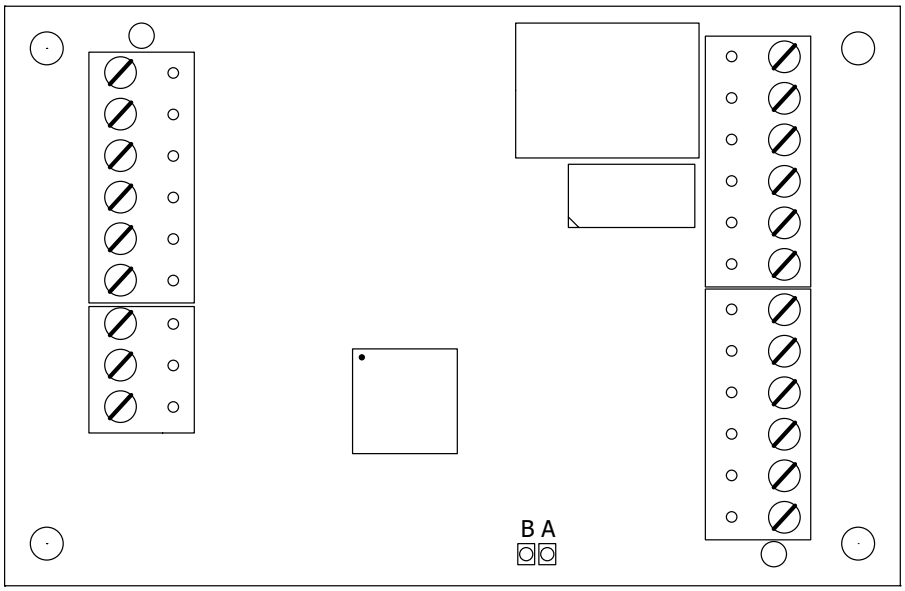
-40—75 °C operational, -55—85 °C storage

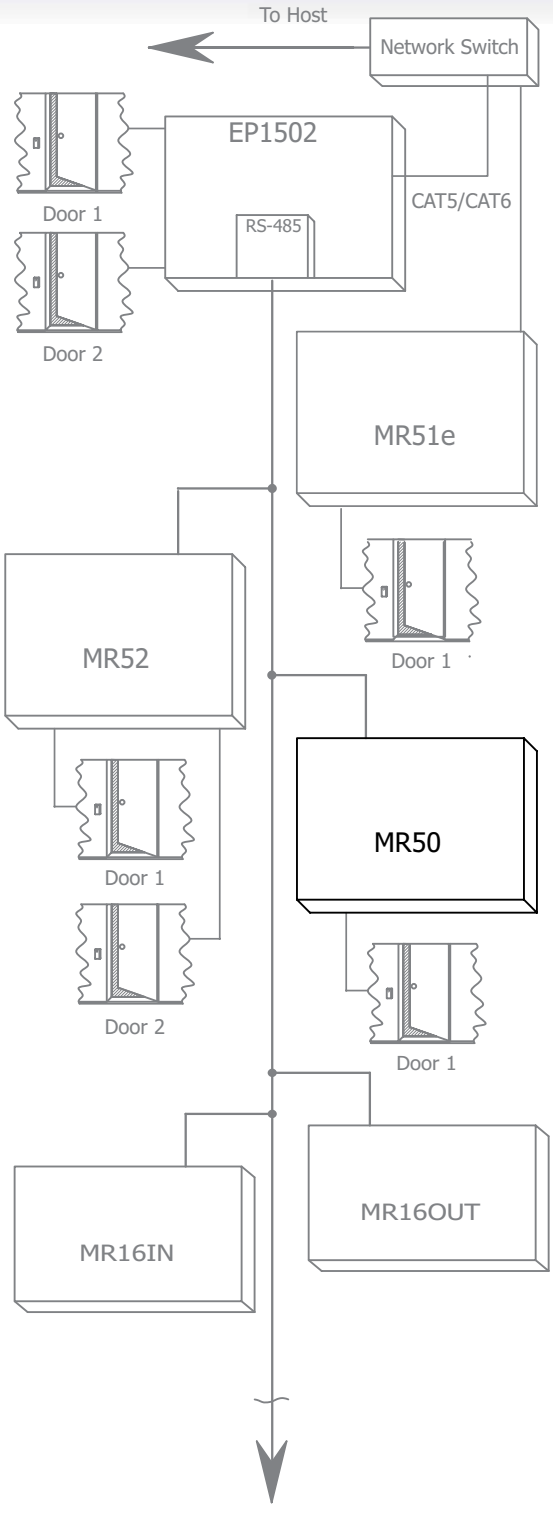
Humidity:

0 to 95% RHNC

Standards:

UL 294 recognized, CE compliant, RoHS





For More Information:
Mercury Security Corporation
2355 Mira Mar Avenue
Long Beach, CA 90815-1755
Tel: 562.986.9105 Fax: 562.986.9205
www.mercury-security.com