

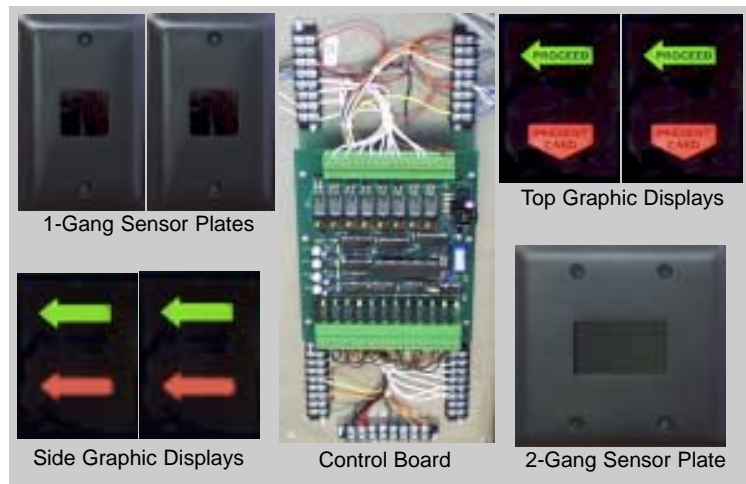
OVERVIEW

The MCIO-OT monitors through-beam infrared sensors, access control contacts to determine and announce the status of a secured pedestrian walkway. The access control system provides valid card contact closures to the MCIO-OT when a card is presented to the reader mounted at the housing. Green and red backlit display indicators prompt persons using the passageway to present their card, and that access is granted or denied. A sounder located inside the housing provides a short audible indication that access is granted; a separate sounder indicates when access is denied.

One person is allowed to pass through the walkway for each valid card presented. If a person walks through the passageway without presenting a valid card, an alarm is generated. A sounder in the housing alerts area personnel that a violation has occurred and an alarm relay contact notifies the access control system of the alarm.

FEATURES

- CARD IN / CARD OUT OPERATION
- DAY / NIGHT MODE
- BACKLIT DISPLAY INDICATOR GRAPHICS
- AUTOMATIC ALARM RESET
- TAILGATE SENSITIVITY FIELD ADJUSTABLE



STANDARD SYSTEM INTERFACE

The lock output of the card access system is monitored by the MCIO-OT to determine when a valid card has been presented. The lock output must be configured for automatic re-lock when the door is opened. The normally closed-door mimic relay (DMR) is monitored by the card reader system.

OPERATION

NORMAL PASSAGE (ENTRY OR EXIT) USING CARD READER

The DMR opens when the valid card is presented to the reader, and closes when a person walks through the passageway. This relay cycle is expected by the card reader system and an authorized passage is registered in the card reader database.

TAILGATE ALARM

If a person walks through the passageway in the entry direction without presenting a valid card, the DMR opens again and the card reader system interprets that action as a forced door and an alarm is registered in the card reader database. The MCIO-OT circuit activates the local sounder so that the alarm is annunciated at the door. The alarm is reset after about 4 seconds.

FREE EXIT MODE

When a person walks through the passageway in the exit direction, the DMR relay does not activate.

Included in components package is 1 control board, 4 graphic displays (2 top & 2 side), and directional sensors mounted on a 1 or 2-gang plate.

TECHNICAL SPECIFICATIONS

Power

12 VDC @ 1 Amp max.

Inputs

Valid entry card contact: 1 lock control relay from card reader system closes for entry.
Valid exit card contact: 1 lock control relay from card reader system closes for exit.
Invalid card contact: contact closes when an invalid card is presented to the reader.
Lane Bypass: contact closes when lane is placed in bypass mode.
Day/night Mode: contact is open for card in/card out operation (night mode),
close contact for card in/free exit operation (day mode).
Through beam infrared sensors, mounted on a 1 or 2-gang plate.

Outputs

1 normally closed Alarm or Door Mimic Relay.
Green Display graphic indicates entry access enabled.
Red Display graphic indicates secured mode. Entry will generate an alarm.

Field Adjustments

Tailgate Sensitivity Adjustment - sets the sensitivity of the tailgate detection software.
Beam Block - sets the time delay to beam block alarm.
Alarm auto reset - sets the time delay for alarm reset.
Unused access reset delay - sets the time delay to reset the lane to normal if a valid card is presented and the lane passage does not occur.