

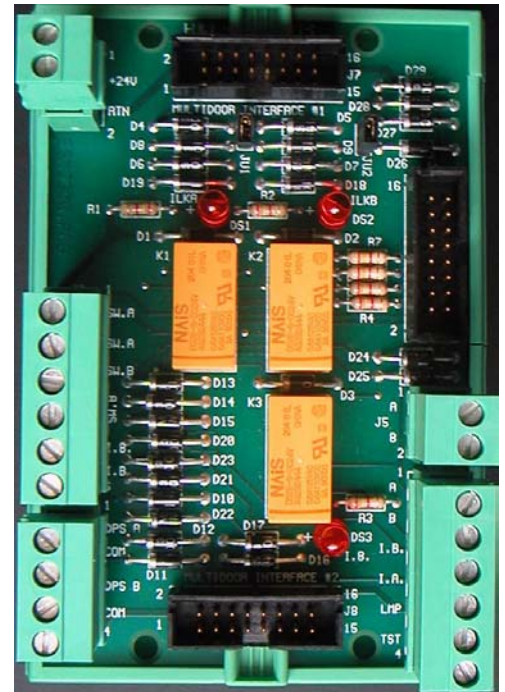
General Description

The interlock card provides a two-door interlock control with multiple door expansion and capabilities to prevent more than one door being in the unsecured position during normal operation.

It is designed for use in high security traffic control areas. The interlock card also provides an interlock bypass capability for emergency operation requiring multiple doors to be opened simultaneously.

The interlock card provides connections for all input and output interlocking points. The input points include door control switches, the interlock bypass switch, door position switches, and the lamp test switch. The output points include relay outputs for the doors, DPS indications, interlock active indication, and interlock bypass indication.

For control panel installation, ribbon cable connection is provided for direct connection to the panel LEDs and switches. For field installation, screw terminal connections are provided for field wiring.



Features

- Two-door interlock with infinite door expansion capability
- Output indications for door position switches, interlock active state, and interlock bypass state
- Build-in lamp test function
- Jumper selected outputs to allow two doors on the same side of a traffic area to operate normally without interlocking each other
- Status LED on board for each individual relay for interlocking and bypass indication
- EMF diode suppression for each relay
- Interlocking control through discrete wiring or ribbon cable
- Sinking type control
- Connector plugs and headers provided for ease of installation and troubleshooting
- Standard din rail mount provided
- Compatible with hardwired, PLC, or other processor based systems
- 5 year limited warranty

Specifications

Input Voltage: 22-28VDC

Current Consumption @ 24VDC:

3 μ A during initial power up w/no relays energized
 Additional 17mA per energized relay
 52mA with all 3 relays energized at once (max)

Power Consumption @ 24VDC:

72 μ W during initial power up w/no relays energized
 Additional 408mW per energized relay
 1.3W (max)

Control Voltage: Common Ground (sinking)

Output Voltage: Common Ground (sinking)

Output Current (max):

2A or the power supply current rating
 (the lesser of the two)

Contact Ratings:

0.6A @ 125VAC, 0.6A @ 110VDC,
 2A @ 30VDC.

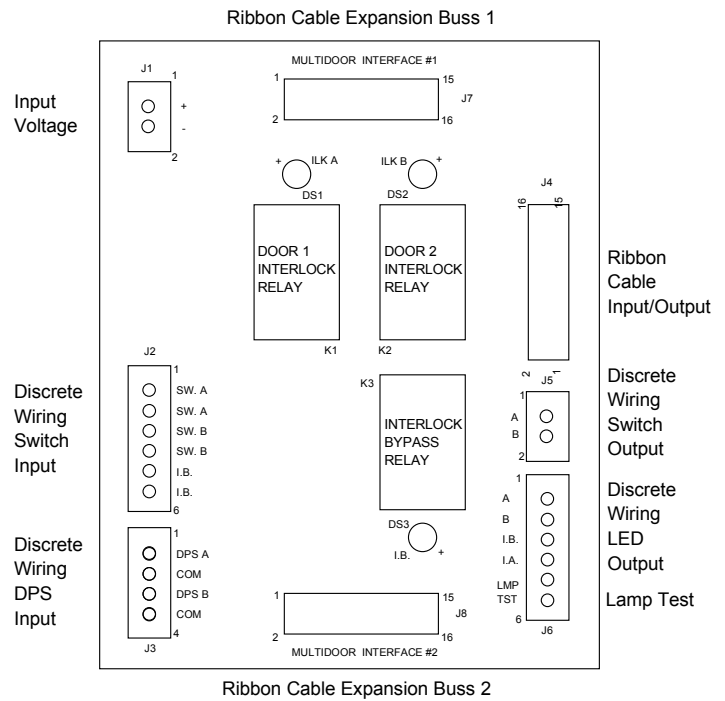
Cable Termination:

Screw terminal blocks, 10sq mm, 30-12 AWG.
 Ribbon cable connection, 16 conductors, 28 AWG.

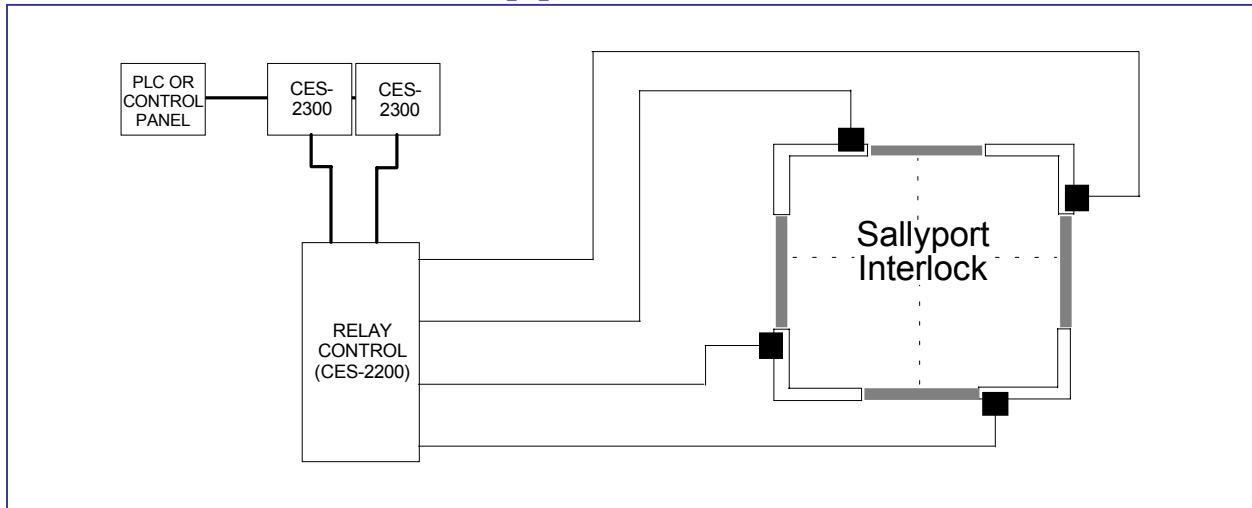
Operating Temperature: -55°C to +175°C

Dimensions (Length x Width x Height):

4½" x 3" x 2¼" (11.4cm x 7.6cm x 5.7cm) including rail mounts



Applications



Ordering Information

Interlock Card	CES-2300
Available Accessories:	
General Purpose Relay Card	CES-2000
Locking Relay Card Sinking	CES-2200
Locking Relay Card Sourcing	CES-2201

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