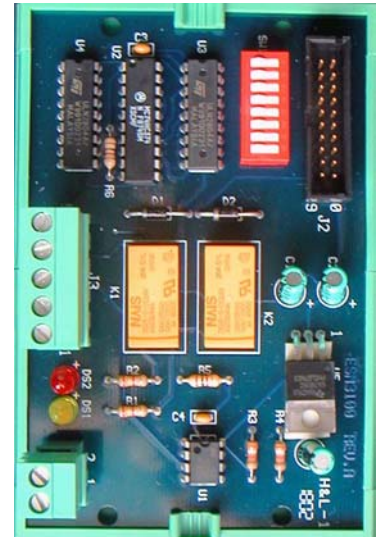


General Description

The emergency release sequencer card provides sequential outputs for group unlock and emergency release operations. The CES-3100 provides electrical load management during emergency release or group unlock operations by sequentially operating control relays at a rate of 1 door per second. A set of dry contacts is provided to allow multiple cards to be cascaded for emergency release and group unlock expansions.

The emergency release sequencer interfaces directly with CESI series relay cards for power up and to perform sequential relay activations.

The emergency release sequencer remains in a power down state until activated by a dry contact input.



Features

- Each unit controls up to 8 doors with infinite expansion capability
- Sequential outputs protect sensitive equipments from current overload and electrical failures
- Status LEDs for indication of emergency release operation in progress as well as completion
- Interface directly with CES-2000 series relay cards through ribbon cable connection
- Powered through CES-2000 series relay cards through ribbon cable connection, requiring no external power supply
- On board dip switch for isolating any individual output from emergency release
- Emergency release is easily activated with a dry contact input
- 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:

- 15mA during initial power up
- 26mA with emergency release in progress
- 45mA with emergency release active after the sequence has stopped (max)

Power Consumption @ 24VDC:

- 360mW during initial power up
- 630mW with emergency release in progress
- 1.1W (max)

Release Time:

- 1 second per output, 8 seconds total.

Control Voltage: Common Ground (sinking)

Output Voltage: Common Ground (sinking)

Output Current (max): 500mA per output

Contact Ratings:

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

Cable Termination:

- Screw terminal blocks, 10sq mm, 30-12 AWG.
- Ribbon cable connection, 20 conductors, 28

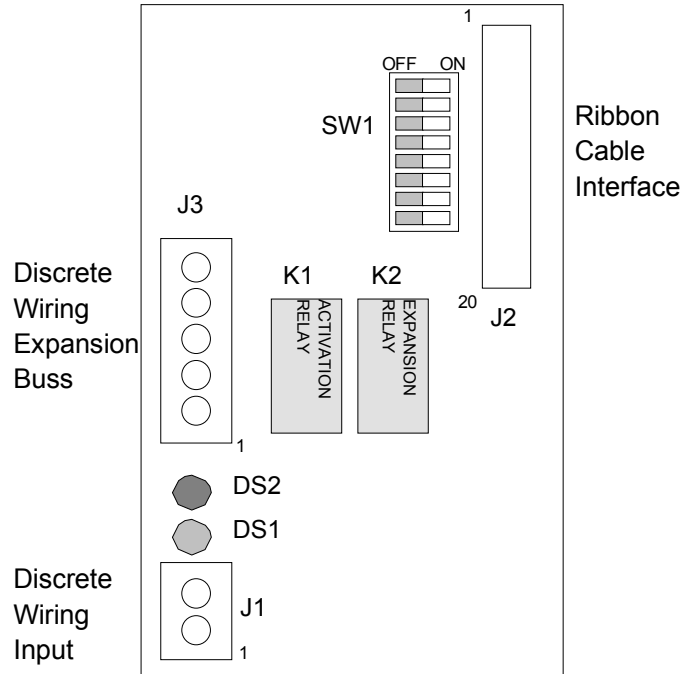
AWG.

Operating Temperature:

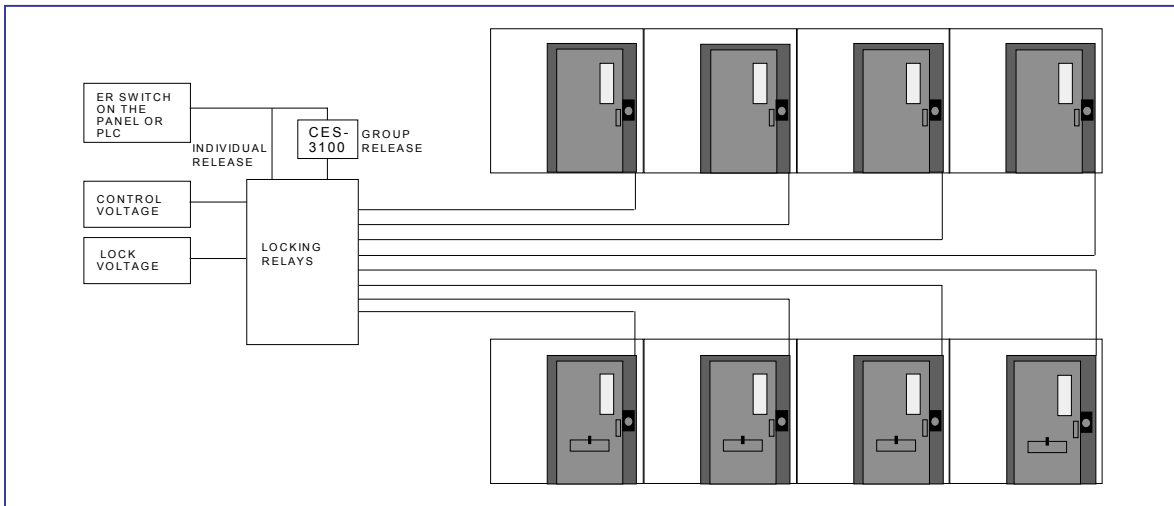
- 20°C to +85°C operating, -55°C to +150°C storage.

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

Emergency Release Sequencer	CES-3100
Available Accessories:	
General Purpose Relay Card	CES-2000
Locking Relay Card Sinking	CES-2200
Locking Relay Card Sourcing	CES-2201

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