



EXPLOSION PROTECTION RELAY CARD

DESCRIPTION

The Fike Explosion Protection Relay Card (RC8) provides the user with eight relays for equipment interface with the Fike EPACO™ explosion protection system. The relays can be used to direct shut downs, slow downs, and remote notifications of system trouble and alarm conditions. Dip switches are provided for configuring the relays for standard relay operation. Expanded relay programming can be done using EP Works® software. Up to four Relay Cards can be supported by each Annunciator Module.

- Increases process efficiency by engaging with process controls to react to conditions, such as pressure levels rising to warning levels. Up to 34 relays can be tied to one EPC through the Annunciator Module, enabling the system to discriminate between critical and non-critical trouble conditions.
- Fast start-up with pre-configured DIP switch settings or expanded PC options for custom systems
- Convenient, safe access with remote location capabilities tied to Fike status bus.
- Modular design is scalable and allows for fast system expansion, reduced plant downtime, and reduced installation costs



Fike P/N E10-0069

STANDARD FEATURES/SPECIFICATIONS

- Eight dry contacts for annunciation of conditions defined by configuration
- DIN rail mount for flexibility and faster installation
- Visual communication of system status through LED lights which are directly connected to relays
- Input Voltage: 18 to 30 VDC,
- Power Consumption:
 - Normal: 300 mA maximum
- Trouble Contact Ratings: 24 VDC at 4 A resistive / non-inductive SPDT
- Temperature Rating (without additional enclosure): -20° to 60°C (0° to 140°F)
- Humidity (non-condensing): 80% RH maximum
- Size: 120mmL x 125mmH x 54mmD (4.8"L x 4.9"H x 2.1"D)*
- Weight: 0.5 kg (1 lb.)

* Dimensions are nominal

APPROVALS

- Factory Mutual Approved
- CE Marked (EMC tested and approved)
- CSA Approval Pending

Relay Card Wiring Diagram

