



# EXPLOSION PROTECTION ANNUNCIATOR

## DESCRIPTION

The Fike Explosion Protection Annunciator Module (AM) provides a central point for communication and control of the EPACO system components. The AM utilizes a network protocol that allows it to be easily installed away from the process, in areas such as control rooms.

Utilizing a single network station and three seven segment LEDs, the AM can easily control the operation of four (4) Explosion Protection Controllers (EPC), one (1) Power Supply Unit (PSU) and four (4) Relay Cards (RC8). Two push-buttons allow for retrieval of history information, real time pressure reading of the EPC's CEREx pressure transducers and control of EPC and PSU operation.

- Central point for system control and status information, reducing service time and providing easy access to status, history, pressure readings. Monitors and reports on 74 states for system in real time.
- Gateway for future expansion, with capabilities to support up to 4 Relay Cards, 4 EPC Controllers, and 1 Power Supply unit
- Fast start-up with pre-configured DIP switch settings or expanded PC options for custom systems
- Convenient, safe access with remote location capabilities
- Modular design is scalable and allows for fast system expansion, reduced plant downtime, and reduced installation costs



Fike P/N E10-0068

## STANDARD FEATURES/SPECIFICATIONS

- Dip Switch or PC programmable
- Dry contact auxiliary relay for annunciation of "Trouble" conditions
- Status Bus for Fike proprietary network communication of system conditions to an AM from EPC(s), PSU, and RC8(s) (optional wiring)
- Remote Bus for Fike proprietary network communication of system conditions between AMs
- Event memory stores the 40 most recent events with real time clock information from all modules connected on the Status Bus
- DIN rail mount for flexibility during installation
- Input Voltage: 18 to 30 VDC, 500 mA maximum
- Power Consumption:
  - Normal: 130 mA
  - Trouble: 150 mA
- 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 130mmH x 60mmD (4.8"L x 5.2"H x 2.3"D)\*
- Weight: 1 lb. (0.5 kg)

\* Dimensions are nominal

## APPROVALS

- FM Approved
- CE marked (EMC tested and approved)
- CSA approval pending

# AM Field Wiring

