



EXPLOSION PROTECTION POWER SUPPLY

DESCRIPTION

The Fike Explosion Protection Power Supply Unit (PSU) is another of the building blocks in Fike's EPACO™ system. The PSU can power up to four Explosion Protection Controllers (EPCs), four Relay Card Modules (RC8s), and one Annunciator Module (AM).

The PSU provides complete supervision of all power wiring to Fike Explosion Protection components. The PSU can be remotely mounted, separate from the hazardous area.

Visual annunciation of the system status is accomplished by LEDs. The basic functions provide automatic self-checking and circuitry supervision. An auxiliary relay is provided to facilitate process interlocks and alarms.

- Fast start-up with pre-configured DIP switch settings or expanded PC options for custom systems; connection to status bus and remote bus for easy access of information with Annunciator module.
- Modular design is scalable and allows for fast system expansion, reduced plant downtime, and reduced installation costs
- Supports up to 4 Relay Cards, 4 EPC Controllers, and 1 Annunciator module

STANDARD FEATURES/SPECIFICATIONS

- Dip Switch or PC programmable
- Six (6) supervised 24VDC, 1 A outputs
- Supervised 24 VDC Battery Back-up input
- Supervised 24 VAC input
- On board battery charger
- Dry contact auxiliary relay for annunciation of "Trouble" conditions
- Status Bus for Fike proprietary network communication of system conditions to other devices (optional wiring)
- Event memory storage for the 60 most recent events in relative time
- DIN rail mount for flexibility during installation
- Input Voltage: 24 VAC, 8A
- Output Voltage: 24 VDC, 1 A per output, 5 A total
- Trouble/Alarm 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: 210mmL x 130mmH x 70mmD (8.2"L x 5.2"H x 2.9"D)*
- Weight: 1 kg (2 lbs.)

* Dimensions are nominal



Fike P/N E10-0067

ACCESSORIES

- 250 VA Transformer
- Batteries for battery backup
- Optional field enclosure for installation in non-hazardous areas

APPROVALS

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

