

### EPACO™ EXPLOSION PROTECTION CONTROLLER (EPC)

#### DESCRIPTION

The Fike Explosion Protection Controller (EPC) is the cornerstone of Fike's EPACO™ system. The EPC continuously monitors the protected hazard, reacts to incipient explosions, and instantaneously actuates the explosion protection system.

The system may include explosion suppression, isolation, or a combination. The EPC can function as a stand-alone controller where a limited number of protection devices are required, or it can be interfaced with other EPC's for larger systems.

#### FEATURES AND BENEFITS

- Monitors and reports easily on 32 states and stores up to 16 history records in relative time. With the Annunciator Module it can be synchronized to real time
- Enhanced system stability
- Fire Bus for high speed control and activation of other EPC's
- Easily programmable in the field
- Adjustable pressure validation
- LED's and PC connection offers access to system status, history, pressure reading and pre-post activation history
- Reduce downtime and installation costs
- Approvals: CE, FM



#### APPROVALS:

- FM approved
- CE marked (EMC-LVD tested and approved)
- ATEX II 2 D Ex tD A21 IP66 (only with optional ATEX field enclosure)
- SIL2 acc IEC61508



## SPECIFICATIONS

<b>Type</b>	EPACO™ Explosion Protection Controller (P/N E10-0066)
<b>Detection Input</b>	2 4-20 mA supervised detection inputs for continuous process pressure monitoring for both static and rate of rise control 1 supervised contact input for releasing conditions
<b>Input/Output</b>	1 supervised actuator output 1 supervised switch input for monitoring trouble conditions 1 supervised “disable” contact input
<b>Input Voltage</b>	18 to 30 VDC, 500 mA maximum
<b>Power Consumption</b>	Normal: 275 mA Trouble: 300 mA Alarm: 200 mA
<b>Series Fire Output</b>	Suited for up to 6 protection components
<b>Trouble/Alarm Contact Relays</b>	2 dry contact auxiliary relays for annunciation of trouble and alarm conditions 2 A @ 30 VDC
<b>Temperature Rating</b>	-20°C to 60° C (without additional enclosure)
<b>Humidity (non-condensing)</b>	80% RH maximum
<b>Size</b>	200 mm x 130 mm x 50 mm (L x H x D)
<b>Weight</b>	0.7 kg
<b>Mounting</b>	DIN rail mount for flexibility during installation
<b>Communication</b>	Fire Bus for high-speed control and activation of other EPC's Status Bus for Fike proprietary network communication of system conditions to other devices (optional wiring)