

Combined Pressurization, Fire, and Gas Shutdown System

Protects pressurized cabins in areas where dangerous gas may be present

Applications

- Operating a cabin in a hazardous location
- Monitoring purge pressure, atmospheric hydrocarbon levels, and fire or smoke status
- Shutting down incendiary equipment when fire or smoke, dangerous gas levels, or low pressures are detected

Features and Benefits

- The combined pressurization, fire, and gas (CPFG) shutdown system enables a cabin to be operated safely in Zone 1 hazardous areas.
- The CPFG system produces alarm signals that enable monitoring the alarm status of the cabin from a remote location, such as a radio or control room.
- Integrated audible and visual alarms alert personnel to potential emergencies.
- The alarm reset switch and purge override switch are both lockable to prevent accidental activation.

Safety Information

- Consult the MSDS, safety posters, and product label before use, and use personal protective equipment as advised.
- Read the CPFG shutdown system manual to become familiar with the system before operating it.

Tool Description

The CPFG shutdown system enhances protection for field personnel working in or near modular, pressurized cabins located in hazardous areas. The CPFG system housed in a flameproof enclosure produces an electrical signal that enables monitoring the status of the cabin from a remote location, for example by radio or from a control room. Multiplier sensors inside and outside the cabin monitor various gas types, the differential pressure (inside the cabin versus outside the cabin), and air flow into the cabin. When the sensors detect hazardous gas, low pressure in the cabin, or smoke, they initiate audible and visual alarms that alert on-site personnel to a possible emergency. The fully integrated, microprocessor-controlled CPFG system shuts down power to incendiary equipment and purges the cabin.

Specifications

Flammable gas channels	Up to 3
Emission measurement center	Emissions below EN55022 level B
	Immunity to fast transients
	IEC 801-4 2KV



The CPFG shutdown system enhances safety by detecting fire, smoke, or gas in Zone 1 or other hazardous areas and initiating alarms.

