MIRCOM is the largest privately held independant designer and manufacturer of Fire Alarm Life Safety and Telephone Access products in North America.

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DISTRIBUTED BY:

OUR TEAM OF ENGINEERS AND SPECIALISTS WILL WORK WITH YOU TO DESIGN THE MOST COST EFFICIENT SOLUTION WITHOUT COMPROMISING THE PROTECTION OF PERSONNEL, EQUIPMENT AND PROPERTY.

OTHER PROJECTS

Mircom has been involved in thousands of building projects all over the world. Such projects include:

• Long-term care facilities

• Hospitals

• Retail stores

• Hotels

• Schools and universities

• Condominiums

• Restaurants

• Manufacturing facilities

• Government institutions

• Military bases

MIRCOM®
INDUSTRIAL DIVISION

PRO-2000 SERIES | Fire and Gas Distributed Detection and Control Systems

INTRODUCING MIRCOM'S PRO-2000 SERIES

Addressable gas, flame, smoke and thermal sensors are continuously monitored for alarm signals, malfunctions, open and/or short circuit conditions through a reliable and proven digital communication link. The operator is provided with analog values pertaining to combustible and toxic gas levels as well as the presence of a fire through the smoke or thermal sensors in the protected spaces.

Designed to interface with other systems through an RS-485 data highway and using a thoroughly proven MODBUS Communication protocol the PRO-2000 links directly to any host computer, Distributed Control System (DCS) or Emergency Shutdown (ESD) system.

Enhanced reliability against short circuit conditions and RS-485 Splitter Module provides complete isolation for power and communication lines alike.

Designed with safety and reliability in mind, the PRO-2000 affords end-users and operators continuous operation through protection against single-point-failure mode.

A self diagnostic feature minimizes trouble shooting problems and makes system integration an easy and simple process.

APPLICATIONS

Hundreds of hazardous environments can benefit from the versatility and flexibility of the PRO-2000 system. By combining and integrating in a single package the traditionally autonomous fire detection and PLC based gas detection systems, PRO-2000 redefines the words Safety, Reliability, and Confidence.

Applications Including:
- LPG plants
- Aircraft hangars
- Power plants
- Tank farms
- Offshore platforms
- Naval & marine vessels
- Chemical plants
- Refineries
- Military applications
- Agent releasing

THE MIRCOM PRO-2000 FIRE & GAS DETECTION CONTROL SYSTEM IS A DISTRIBUTED MICROPROCESSOR BASED PACKAGE, PROVIDING SEAMLESS INTEGRATION OF FIRE AND GAS DETECTION WITHIN A SINGLE CONTROL PANEL.

BUILDING A

BUILDING B

BUILDING C

ESD

DSC

PLC

FIRE DEPARTMENT

SEAMLESS INTEGRATION

- Analog addressable fire detection devices – thermal, smoke and manual call points
- Addressable flame and gas sensors – IR, UV, explosion proof and toxic gas sensors
- Audible and visual alarm indicators
- RS-485 communication protocol replaces the traditional 4-20 mA and provides two way communication
- Extensive diagnostic capabilities simplify maintenance and calibration of gas transmitters
- Fully compliant with NFPA 72 requirements
- Approved for releasing service

FLEXIBILITY & RELIABILITY

- Closed loop communication
- Local panels may be used as local annunciators
- Graphic interface – geographic synoptic board or full video
- Display unit (VDU)
- Available 100% redundancy

APPROVALS

- UL
- ULC
- ABS
- USCG
- CCG

PROGRAMMING CAPABILITY

- Adjustable alarm set point
- Programmable logic for alarm annunciation, alarm evacuation, smoke control and release of fire extinguishing agent
- Centralized and/or distributed MODBUS Interface for Emergency Shutdown (ESD) and Distributed Control Systems (DCS)
- Control of safety mimic matrix for fire & gas devices
- Local display of status for each field device
- Electrical isolation for loop circuits and serial interface lines
- Hardwire capability for critical Emergency Shutdown (ESD) system signals and functions

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MIRCOM®
Advanced Life Safety Solutions™