**MGC’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 RTU and/or Bacnet Communication protocol the PRO-2000 links directly to any host computer, Distributed Control System (DCS) and/or Emergency Shutdown System (ESS).

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:
- Liquid Propane Gas plants
- Aircraft hangars
- Power plants
- Tank farms
- Offshore platforms
- Naval & marine vessels
- Chemical plants
- Refineries
- Oil Rig
- Military applications
- Agent releasing

BUILDING B

The MGC 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.

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
- Long-term care facilities
- Manufacturing facilities
- Government institutions
- Schools and universities
- Condominiums
- Retail stores
- Military bases
- Restaurants
- Refineries
- Hospitals
- Hotels
**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 with MODBUS 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
- Display unit
- Optional 100% redundancy

**APPROVALS**

- UL 864 rev.9
- 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 Distributed Control System (DCS) and/or Emergency Shutdown System (ESS)
- 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 System (ESS) signals and functions

**APPLICATIONS**

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About the Mircom™ Group of Companies

The Mircom Group of Companies (MGC™) is North America’s largest independent designer, manufacturer and distributor of advanced Fire Detection & Alarm, Voice Evacuation & Communication Systems, and Controlled Access & Security Solutions, serving the global marketplace for over 20 years.

MGC owns the Mircom™, Secutron™, and Summit™ branded line of products.

With corporate headquarters located in Toronto (Vaughan), Ontario, Canada and Niagara Falls, New York, U.S.A., MGC operates a dedicated network of sales and service branch offices throughout North America and abroad, under its Mircom Engineered Systems™ brand (Mircom ES™).

MGC Systems International Limited supports the sales and installation of MGC systems in more than 50 countries worldwide, with regional offices located in Mexico City, Mexico; Buenos Aires, Argentina; Bangalore, India; Dubai, UAE; and Singapore. Under its United Export Corporation (U.E.C.™) division, MGC distributes a broad range of exceptional fire protection equipment to more than 70 international markets.