FMC 2000

Honeywell

**RAE Systems by Honeywell
Wireless Multi-Channel Controller**

FMC 2000
Wireless Multi-Channel Controller

Key Features

Versatile

- Built-in wireless modem for use in MeshGuard networks
- Manages up to 24 channels
- Five programmable SPDT relay outputs
- RS-485 and Ethernet interface

Easy to Use

- Backup battery for up to 15 hours of operation
- Built-in data logging
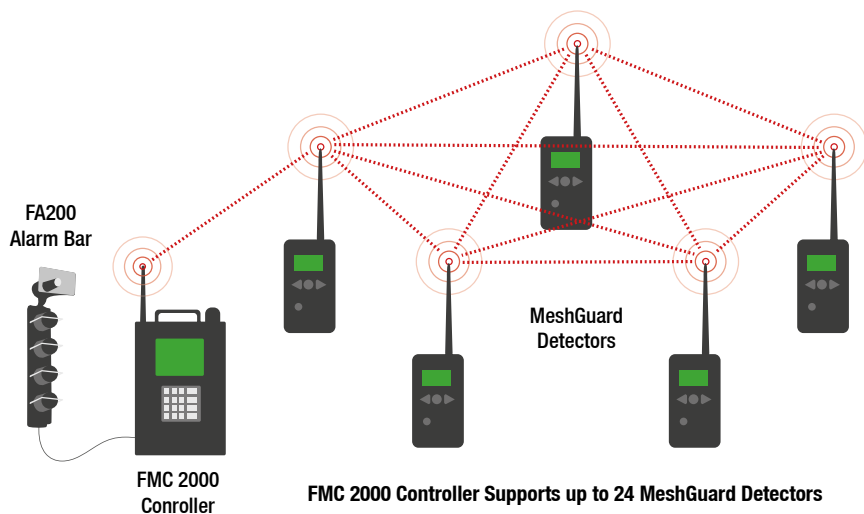- Stainless-steel enclosure

Applications

- Drilling rigs
- Petrochemical plants
- Tank farms
- Shipyards and maritime
- Steel mills
- Industrial safety

The RAE Systems by Honeywell FMC 2000 is a multi-channel controller with a built-in wireless modem that is designed for integration with RAE Systems by Honeywell MeshGuard intelligent network of connected sensors.

The FMC 2000 is the command-and-control element of the MeshGuard system that gathers data and monitors alarms from MeshGuard toxic and flammable gas monitors. The built-in wireless modem automatically links with MeshGuard monitors, and the controller has built-in security safeguards to resist tampering.

- Quick and easy installation
- Simple, intuitive operation
- Rugged and reliable
- Flexible to handle a variety of data processing and communication needs

FA200 Alarm Bar

MeshGuard Detectors

FMC 2000 Conroller

FMC 2000 Controller Supports up to 24 MeshGuard Detectors

The FMC-2000 controller can monitor up to 24 wireless MeshGuard detectors and contains five programmable relays that can trigger external alarms or process controls.

Detector Specifications*

Basic parameters

Audible Alarm	95dB @ 30cm (12")
Visual Alarm	Super-bright red LED with enclosed cover
Data Logging	SD card (1GB)
Wireless	2.4GHz IEEE 802.15.4/mesh radio
Wireless Detectors	Supports up to 24 remote detectors
Relay	5 SPDT relays (6A 250VAC)
Interface	RS-485 Modbus RTU
Ethernet	Modbus RTU
Housing	Stainless steel
Power Supply	85V to 264V AC
Backup Battery	Rechargeable lead-acid battery 12V 2.8Ah Up to 15 hours of operation

Environmental parameters

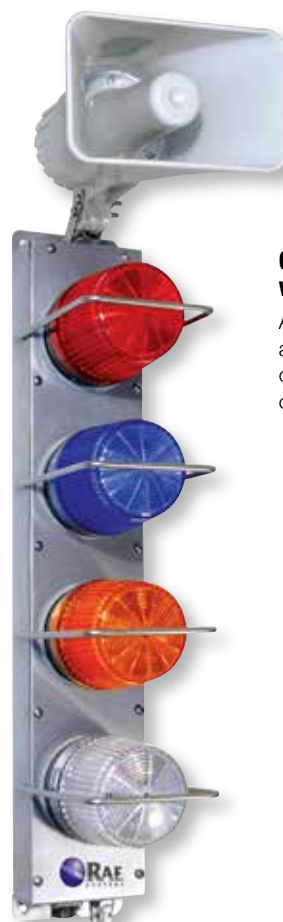|	
Operating Temperature	-20° C to +55° C (-4° F to 131° F)
Humidity	0% to 95% relative humidity, non-condensing

Physical parameters

Size	24cm x 40cm x 9.3cm (9.5" W x 15.7" H x 3.7" D)
Weight	6.5 kg (14.3 lbs), excluding mounting plate

Display

LCD Display	5.7" 320 x 240 Black/White graphic LCD with backlight

Certification / Approvals

FCC	QNT-PT2400S20-A
CE	EN 300320 (RTTE directive)
IP Rating	IP-54 (NEMA 3)
Intertek	Approval for electrical safety

Optional FA200 Alarm Bar with QuickConnector

Alarm device comes with one audible and four visual alarm outputs. Alarm logic is fully configurable from the FMC 2000.

FA200 Alarm Bar Specifications*

4 Visual Alarm	Output Four (4) 160,000-candlepower strobes
1 Audible Alarm	Output 112 dB at 3 m (10') dual-tone steady-yelp horn
Power	12 VDC supplied by FMC 2000
Input Voltage	12 to 24 VDC
Enclosure	Stainless steel with protective bars over each strobe
Cable Length	10 m (33') standard
Connector	6-pin mil-style plug-in male connector with cable
Warranty	2 years

Environmental parameters

Operating Temperature	40° C to +55° C (40° F to +131° F)

Physical parameters

Size	83.8cm x 11.4cm x 20.3cm (33" W x 4.5" H x 8" D)
Weight	6.6 kg (14.5 lbs)

*Specifications are subject to change

Honeywell Gas Detection

Honeywell is able to provide gas detection solutions to meet the requirements of all applications and industries. Contact Honeywell in the following ways.

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Honeywell Analytics
Experts in Gas Detection

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We Save Lives

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