

FMC 2000

Wireless Multi-Channel Controller



Quick and easy installation

Simple intuitive operation

Rugged and reliable

Flexible to handle variety of data processing and communication needs

FMC 2000 is a multi-channel controller with built-in modem designed for integration with RAE Systems' MeshGuard intelligent network of connected sensors. The FMC 2000 is the command and control element of the MeshGuard system, gathering data and monitoring alarms from MeshGuard toxic and flammable gas monitors. The built-in wireless modem automatically links up with MeshGuard monitors, and the controller has built-in security safeguards to resist tampering of critical parameters.

Key Features

- Built-in wireless modem for use in MeshGuard networks
- Manages up to 24 channels
- 5 programmable SPDT relay outputs
- Backup battery for up to 15 hours of operation
- Built-in data logging
- Stainless-steel enclosure
- RS-485 and Ethernet interface

Applications

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



FMC 2000 Controller can be used on drilling rigs



FMC 2000

Specifications

Controller Specifications*

Size	9.5" W x 15.7" H x 3.7" D (24cm x 40cm x 9.3cm)
Weight	14.3 lbs (6.5 kg), excluding mounting plate
LCD Display	5.7" 320 x 240 Black/White graphic LCD with backlight
Audible alarm	95dB@30cm (12")
Visual alarm	Super-bright red LED with enclosed cover
Keypads	16 metal keys
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
Operating Temperature	-4° to 131° F (-20° to +55° C)
Approvals	FCC: QNT-PT2400S20-A CE EN 300320 (RTTE directive)
Humidity	0% to 95% relative humidity, non-condensing

FA200 Alarm Bar Specifications*

4 Visual Alarm Output	Four (4) 160,000 candlepower strobes
1 Audible Alarm Output	112 dB at 10' (3 m) dual tone steady-yelp horn
Power	12 VDC supplied by FMC 2000
Input Voltage	12 to 24 VDC
Operating Temperature	-40° to +131° F (-40° to +55° C)
Enclosure	Stainless steel with protective bars over each strobe
Cable Length	33' (10 m) standard
Connector	6-pin mil-style plug-in male connector with cable
Size	33" W x 4.5" H x 8" D (83.8cm x 11.4cm x 20.3cm)
Weight	14.5 lbs (6.6 kg)
Warranty	2 years

*Specifications are subject to change

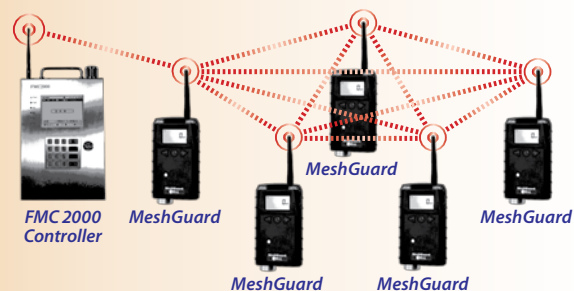
FMC 2000 Ordering Options

The FMC 2000 can be ordered individually or as part of a MeshGuard system kit.

FMC 2000 Controller Kit Includes:

- Controller with wireless modem
- Built-in rechargeable backup battery
- Wall-mounting plate
- Resource CD
- 1GB SD memory card
- Quick reference guide
- Extension antenna (optional)

FMC 2000 Controller Supports up to 24 MeshGuard Detectors



Optional FA200 Alarm Bar with Quick Connector

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

Ordering Information

Part Numbers

FMC 2000 Controller	F01-0001-000
FA200 Alarm Bar	F05-0030-000

Toll-Free: 877-723-2878

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