

# FMC 2000

## Wireless Multi-Channel Controller



**Quick and easy installation**

**Rugged design**

**Wireless mesh networking capabilities**

**Fully configurable user access levels and alarms**

**Built-in data logging**

FMC 2000 is a multi-channel controller with built-in modem designed for integration with RAE Systems' wireless mesh network products. It is simple to install and operate, versatile, and dependable. Housed in stainless steel and equipped with a backup battery, the FMC 2000 is the ideal controller for MeshGuard systems used on drilling rigs and during plant maintenance operations requiring gas detection.

### Key Features

- Built-in wireless modem for use in MeshGuard networks
- Manages up to 24 channels
- 5 programmable SPDT relay outputs
- Built-in backup battery for up to 15 hours of operation
- Easy-to-read backlit graphic LCD
- Built-in audible and visual alarms
- Stainless-steel enclosure
- RS-485 and Ethernet interface



*FMC 2000 Controller can be used on drilling rigs*

### Applications

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



# FMC 2000

## Specifications

### Controller Specifications\*

<b>Size</b>	9.5" W x 15.7" H x 3.7" D (24cm x 40cm x 9.3cm)
<b>Weight</b>	14.3 lbs (6.5 kg), excluding mounting plate
<b>LCD Display</b>	5.7" 320 x 240 Black/White graphic LCD with backlight
<b>Audible alarm</b>	95dB@30cm (12")
<b>Visual alarm</b>	Super-bright red LED with enclosed cover
<b>Keypads</b>	16 metal keys
<b>Data logging</b>	SD card (1GB)
<b>Wireless</b>	2.4GHz IEEE 802.15.4/mesh radio
<b>Wireless Detectors</b>	Supports up to 24 remote detectors
<b>Relay</b>	5 SPDT relays (6A 250VAC)
<b>Interface</b>	RS-485 Modbus RTU Ethernet Modbus RTU
<b>Housing</b>	Stainless steel
<b>Power Supply</b>	85V to 264V AC
<b>Backup Battery</b>	Rechargeable lead-acid battery 12V 2.8Ah Up to 15 hours of operation
<b>Operating Temperature</b>	-4° to 131° F (-20° to +55° C)
<b>Approvals</b>	FCC: QNT-PT2400S20-A CE EN 300320 (RTTE directive)
<b>Humidity</b>	0% to 95% relative humidity, non-condensing

### FA200 Alarm Bar Specifications\*

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

\*Specifications are subject to change

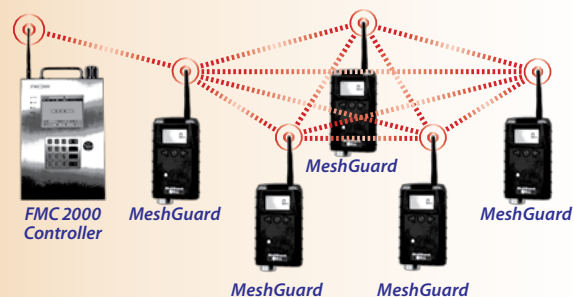
## FMC 2000 Ordering Options

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**

[www.raesystems.com](http://www.raesystems.com)

**RAE Systems Inc.**  
3775 North First Street  
San Jose, CA 95134 USA  
raesales@raesystems.com

USA/Canada 1-877-723-2878  
Europe/Russia +45 8652 5155  
Middle East/Australia +971 4 887 5562  
China +86 10 58858788  
Asia +852 2669 0828

