



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

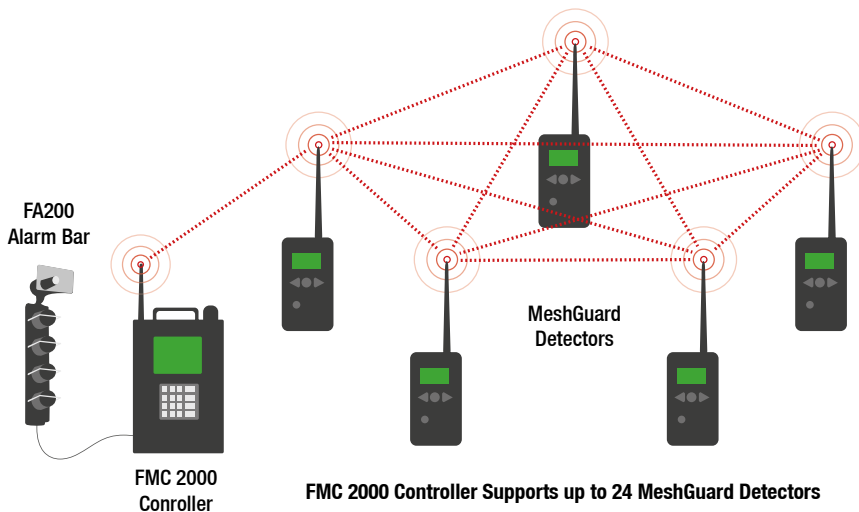
- Drilling rigs
- Petrochemical plants
- Tank farms
- Shipyards and maritime
- Steel mills
- Industrial safety

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



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.



FMC 2000

Wireless Multi-Channel Controller Specifications



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

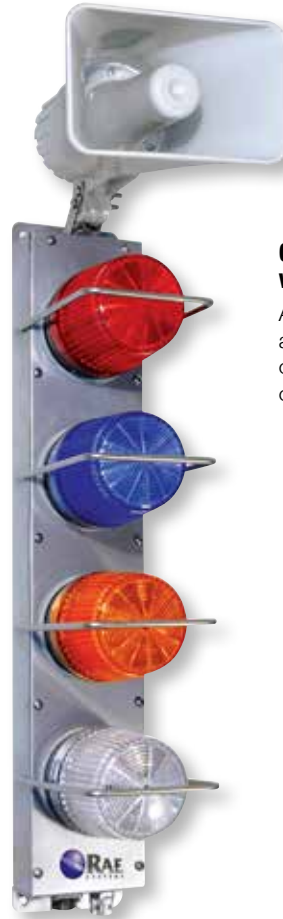
Size	24cm x 40cm x 9.3cm (9.5" W x 15.7" H x 3.7" D)
Weight	6.5 kg (14.3 lbs), excluding mounting plate

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.

Fixed Gas Detection

www.honeywellanalytics.com

Europe, Middle East, Africa, India

Life Safety Distribution AG
Javastrasse 2
8604 Hegnau
Switzerland
Tel: +41 (0) 44 943 4300
Fax: +41 (0) 44 943 4398
India Tel: +91 124 4752700
gasdetection@honeywell.com

Americas

Honeywell Analytics Distribution Inc.
405 Barclay Blvd.
Lincolnshire, IL 60069
USA
Tel: +1 847 955 8200
Toll free: +1 800 538 0363
Fax: +1 847 955 8210
detectgas@honeywell.com

Asia Pacific

Honeywell Analytics
Asia Pacific
#701 Kolon Science Valley (1)
43 Digital-Ro 34-Gil, Guro-Gu
Seoul 152-729
Korea
Tel: +82 (0) 2 6909 0300
Fax: +82 (0) 2 2025 0388
analytics.ap@honeywell.com

Technical Services

EMEA: HAexpert@honeywell.com
US: ha.us.service@honeywell.com
AP: ha.ap.service@honeywell.com

Portable Gas Detection

www.honeywellanalytics.com
www.raesystems.com

European Headquarters Europe, Middle East, Africa, India

Life Safety Distribution AG
Javastrasse 2
8604 Hegnau
Switzerland
Tel: +41 (0) 44 943 4300
Fax: +41 (0) 44 943 4398
India Tel: +91 124 4752700
gasdetection@honeywell.com

Europe South/East, Africa (French speaking countries)

BW Technologies by Honeywell France
ZAC Athélia 4 - 375 avenue du Mistral,
Bât B, Espace Mistral
13600 La Ciotat, France
Tel: +33 (0) 4 42 98 17 70
Fax: +33 (0) 4 42 71 97 05
PortablesFR@honeywell.com

Middle East, CIS, Africa (English speaking countries)

BW Technologies by Honeywell
Emaar Business Park
Building No.2, 2nd floor,
Office 201
PO. Box 232362
Dubai, United Arab Emirates
Tel: +971 4 450 5852
Fax: +971 4 450 5910
PortablesJAE@honeywell.com

Technical Services

BWexpert@honeywell.com
HAexpert@honeywell.com
BIExpert@honeywell.com

United Kingdom, Ireland, Netherlands and West Nordics

4 Stinsford Road
Nuffield Industrial Estate
Poole, Dorset, BH17 0RZ
United Kingdom
Tel: +44 (0) 1295 700 300
Fax: +44 (0) 1295 700 301
Email: portablesUK@honeywell.com

Europe Central, Belgium, Luxembourg and East Nordics

BW Technologies GmbH
Elsenheimerstrasse 43
80687 München, Germany
Tel: +49 (0) 89 791 9217
Fax: +49 (0) 89 9218 5721
PortablesDE@honeywell.com

Honeywell Analytics
Experts in Gas Detection



We Save Lives



Please Note:

While every effort has been made to ensure accuracy in this publication, no responsibility can be accepted for errors or omissions. Data may change, as well as legislation, and you are strongly advised to obtain copies of the most recently issued regulations, standards, and guidelines. This publication is not intended to form the basis of a contract.

H_FMC 2000_DS01149_V1_EMEA1

08/14

© 2014 Honeywell Analytics

Honeywell



DETECTION | **S**AFETY | **P**ROTECTION

For Pricing or Further
Information Please Contact Us.



+441158390495



www.manonglobal.com



sales@manonglobal.com

**Leading UK Suppliers In
Gas Detection, Safety & Protection
Products
Brand New & Genuine OEM Parts
UK & Worldwide Deliveries Available**



Worldwide Delivery



1000+ Genuine Parts & Equipment