



# Wireless Alarm Bar

Alert Notification System for MeshGuard Monitors



The Wireless Alarm Bar communicates with the MeshGuard product family network. Each alarm bar comes with a pair of xenon strobe lights and a 110 dB horn to provide remote notifications of hazards in a work environment.

A Wireless Alarm Bar can be configured as a Remote device that connects to the FMC 2000 controller. When configured as a Remote device, the alarm bar will mirror the alarm settings in the controller. When the Wireless Alarm Bar is configured as a Host device, it becomes a stand-alone alert notification system that communicates directly with the remote monitors in a Mesh network.

## KEY FEATURES

- Turn-key wireless alarm bar solution, mounted and pre-wired with two xenon lights and a 110dB horn
- Wireless transmission distance of 1,000 ft (300m) point-to-point. Range can be extended by using additional RAEPoint Wireless Relays
- Continuously powered by standard 12-28VDC input (DC version) or 110 AC (AC version)
- Explosion-proof enclosure for hazardous environment applications:
  - Class I, Division 1, ATEX Zone 1 (DC Version)
  - Class I, Division 2 (AC Version) hazardous area certification

## APPLICATIONS

- Oil and gas exploration
- Pulp and paper industry
- Refineries and petrochemical plants
- Fenceline monitoring

- Wirelessly triggers alarm notification in hazardous environments
- Hazardous area certification
- Functions as a wireless router, extending the range of a wireless mesh network
- Can act as a wireless system host by communicating directly with MeshGuard gas monitors



Wireless Alarm Bar provides remote notifications of hazards for employee safety.



IECEX

ATEX



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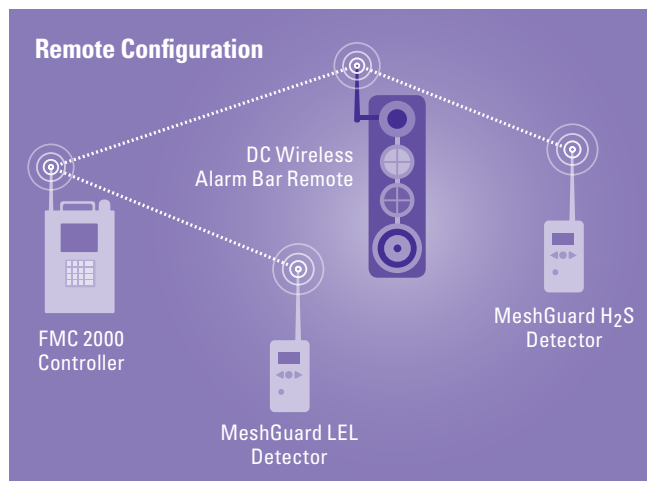
## SPECIFICATIONS

### DC Wireless Alarm Bar Specifications

Input Power	Input: 12 to 28VDC, 35W Max
Wireless	2.4 GHz ISM-band, IEEE 802.15.4 / Mesh Radio
Transmission Range	1,000 ft (300m) typical
IP Rating	IP-65
Mechanical Interface	3/4" NPT Male
Installation	Wall mounting
Temperature	-4° F to 131° F (-20° C to +55° C) (Certified)
Humidity	0 to 95% relative humidity, non-condensing
Pressure	90 to 110kPa
Status Indicator	4 LEDs (Network, Alarm, Communication, Mode)
Dimensions	27.2" L x 9.0" W x 9.5" H (690 x 228 x 240 mm)
Housing Material	Aluminum
Weight	33 lbs (15 kg)
Safety Compliance	ATEX: Ex II 2G, Ex d ia IIC T6 Gb
Wireless Certification	FCC Part 15 R&TTE directive (1999/5/EC) (Contact RAE Systems for other countries)
Strobes	Two 5 Joule xenon strobes (yellow & red) Peak Intensity: 19103 Cd (yellow), 3332 Cd (red) Material: LM25 TF Marine-grade alloy
Sounder	110 dBA at 3 ft (1 m) Material: LM25 TF Marine-grade alloy with ABS flare

### AC Wireless Alarm Bar Specifications

Input Power	Input: 110 VAC 60 HZ, 35W Max
Wireless	2.4 GHz ISM-band, IEEE 802.15.4 / Mesh Radio
Transmission Range	1,000 ft (300m) typical
IP Rating	IP-65
Mechanical Interface	3/4" NPT Male
Installation	2" pipe-holding or wall mounting
Temperature	-4° F to 131° F (-20° C to +55° C)
Humidity	0 to 95% relative humidity, non-condensing
Pressure	90 to 110kPa
Status Indicator	4 LEDs (Network, Alarm, Communication, Mode)
Dimensions	34.5" L x 20.5" W x 9.0" H (870 x 520 x 232 mm)
Housing Material	Aluminum
Weight	44 lbs (20 kg)
Safety Compliance	UL: Class I, Division 2 Group A,B,C,D
Wireless Certification	FCC Part 15 R&TTE directive (1999/5/EC) (Contact RAE Systems for other countries)
Strobes	Two 15 Joule xenon strobes (yellow & red) Peak Intensity: 3840,800 Cd (yellow), 62,400 Cd (red) Material: Glass-reinforced polyester
Sounder	110dBA at 3 ft (1 m) Material: LM25 TF Marine-grade alloy with ABS flare



## ORDERING OPTIONS

- Can be ordered as a Remote or Host (reconfigurable).
- Configuration as AC- or DC-powered.

## ORDERING INFORMATION

All Wireless Alarm Bar units include: RAEPoint Fixed Wireless Relay (with five internal relays), red xenon light, yellow xenon light, 110dBA horn, mounting plate, antenna removal tool, housing cover removal tool, user's guide.

F08-0011-020 KIT, AC Wireless Alarm Bar, Remote, 2.4GHz

F08-0011-010 KIT, DC Wireless Alarm Bar, Remote, 2.4GHz

F08-0001-010 KIT, DC Wireless Alarm Bar, Remote, 2.4GHz, ATEX/IECEX

## CORPORATE HEADQUARTERS

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