



**RAE Systems by Honeywell
Fixed-Head Wireless Infrastructure**

RAEPoint

Fixed-Head Wireless Infrastructure



Key Features

- 5 internal SPDT relays
- Wireless transmission distance of 300 m (1000 ft) point-to-point. Range can be extended by using wireless routers
- Continuously powered by standard 12-28VDC input
- Class 1, Division 1 (ATEX Zone 1 hazardous area certification)
- Available as stand-alone unit, or as a turn-key wireless alarm bar solution, mounted and pre-wired with two 5J xenon lights and a 110dB horn

Applications

- Oil and gas exploration
- Worker exposure monitoring
- Fenceline monitoring

RAEPoint is a multi-function wireless infrastructure component for RAE Systems by Honeywell wireless gas detection systems.

This key building block can operate as an access point in hazardous areas to communicate with wireless gas detectors to enable integration with FMC-2000 or PC-based ProRAE Guardian host controllers. When directed by the controller, the RAEPoint can use any of its five internal relays to trigger audible and visible alarms to provide additional alert notification in hazardous locations. Additionally, the RAEPoint operates as a range extender to increase the wireless transmission distance of wireless gas detectors.



RAEPoint

Fixed-Head Wireless Infrastructure Specifications



RAEPoint Specifications

Basic parameters

Input/Output	Power Input: 2.4W Vinput: 12-28VDC 5 SPDT relays Resistor load max: 6A@24VDC or 6A@250VAC Inductive load max: 2A@24VDC or 3A@250VAC
Wireless	IEEE 802.15.4 ISM band
Transmission Range	300m (1000 ft) typical
IP Rating	IP-65
Mechanical Interface	3/4" NPT female
Installation	50.8 mm (2") pipe-holding or wall mounting

Environmental parameters

Temperature	-20° C to +55° C (-4° F to 131° F)
Humidity	0 to 95% relative humidity, non-condensing
Pressure	90 to 110kPa

Display

Display	4 LEDs (Network, Alarm, Communication, Mode)
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Physical parameters

Dimensions	257 x 201 x 107 mm (10.1" x 7.9" x 4.2")
Housing Material	Aluminum
Weight	3.5 kg (7.7 lbs)

Certification

Safety Certification	IECEX: Ex d ia IIC T6, Gb ATEX: Ex II 2G, Ex d ia IIC T6 Gb cCSAus: Class I, Division 1 Group A,B,C,D T6
	Wireless certification FCC Part 15 R&TTE directive (1999/5/EC) (Contact RAE Systems for other countries.)

Ordering Options

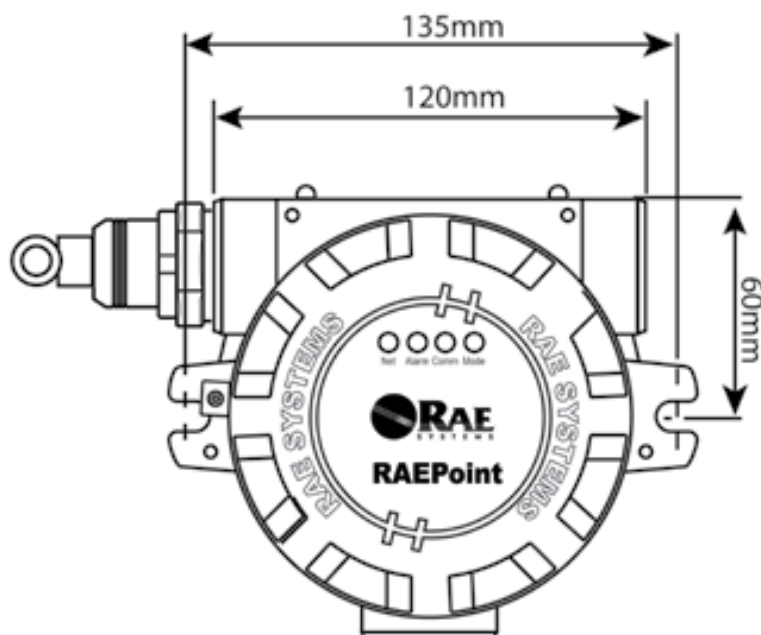
The RAEPoint can be ordered as a stand-alone wireless unit, or as an integrated Wireless Alarm Bar complete with two strobes and one horn. Each RAEPoint can be configured as a Router, Remote, or Host on a wireless mesh network. Configurations include:

RAEPoint Router

A stand-alone, DC-powered, explosion-proof unit that acts as a permanent wireless router for mesh network systems. Includes an aluminum enclosure with LED status indicators and an integrated wireless mesh radio.

RAEPoint Remote & RAEPoint Host

Stand-alone relay units include an aluminum enclosure with LED status indicators, an integrated wireless mesh radio, and five integrated relays.



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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Portable Gas Detection

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Honeywell Analytics
Experts in Gas Detection



We Save Lives



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08/14

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