MBeacon

Location Enhancer for the ConneXt Pro System

The Honeywell ConneXt Pro System is an Enterprise-level, comprehensive portable wireless gas monitoring solution that brings a new dimension of safety and productivity to the plant. The ConneXt Pro system leverages wireless connectivity from portable gas monitors to relay, display, and inform key stakeholders of gas and physiological alarms being experienced by field operators.

The Honeywell MBeacon is an integral component of the Honeywell ConneXt Pro system, used for determining the location of a wireless gas monitor. The MBeacon is battery powered and does not require a network connection, making deployment, installation, and maintenance easy and very low cost.
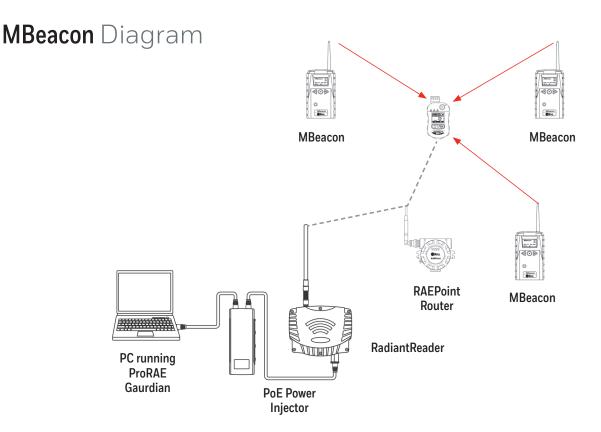
Technical Specifications

SPECIFICATIONS	
SIZE	26.5cm x 9.5cm x 5.5cm (10.5" L x 3.7" W x 2.1" H)
WEIGHT	0.6kg (1.3lbs)
LED INDICATOR	Normally disabled. Flashes once every 10s when battery is low. Modem reports to ProRAE Guardian until auto shut-down
POWER SOURCES	Battery Powered - Size D primary Lithium-cell battery
BATTERY RUNTIME	12 months at room temperature
OPERATING TEMPERATURE	-40° C to +50° C
STORAGE TEMPERATURE	-40° C to +85° C
HUMIDITY (NON-CONDENSING)	10% to 90% relative humidity
PAN ID	1-999, configurable
ENVIRONMENTAL RATINGS	IP65
RADIO TYPE RM900	
RF OUTPUT POWER	Up to 14dBm (25mW) EIRP
RF RECEIVE SENSITIVITY	-110dBm
FREQUENCY BAND	802.15.4
CHANNELS	Configurable, 0 to 10
WIRELESS CERTS	FCC Part15, CE R&TTE, Contact RAE Systems for country specific wireless approval
HAZLOC CERTS	US and Canada: Class I, Division 1, Groups A, B, C and D, T4 Europe: ATEX IM1/II 1G Ex ia I/IIC T4 IECEx Ex ia I/IIC T4
MOUNTING	Optional stainless-steel bracket mount or magnetic mount
WIRELESS OPERATING RANGE	Up to 100m to wireless portable devices, line of sight

FEATURES & BENEFITS

- Battery-powered beacon device has a 1-year battery run time
- Does not require network cabling

- Factory configured for "plug-and-play"
- Cl I/Div 1 hazardous location approvals

- FCC and R&TTE wireless communication approvals

- Flexible – Quantity is dependent on location resolution needs
- Easy Installation – Mounting accessories available

- Easy Maintenace – 1-year battery run time with remote low-battery notification*

MBeacon Diagram

MBeacon

MBeacon

RAEPoint Router

MBeacon

RadiantReader

PC running ProRAE Gaurdian

PoE Power Injector

Honeywell