

LocaXion Anchor

Operator Manual

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Introduction

This document describes the procedures to configure, install, and operate LocaXion Anchor. LocaXion Anchor is a component in the CONNEXT Wireless Gas Detection System.

About LocaXion Anchor

LocaXion Anchor is a beacon device that responds to probe requests and transmits SSID data. It is certified for indoor and outdoor use in Class 1, Division 2/Zone 2 (Groups A, B, C, D) environments.

LocaXion Anchor is powered by +24 volts DC. The enclosure and auxiliary components are designed to meet IP64 and NEMA Type 4X ratings for protection against dust and water ingress. The antenna port includes an integrated, permanently attached lightning arrestor.

Intended Use

LocaXion Anchor is a component in the CONNEXT Wireless Gas Detection System, a wireless personal gas detection solution for industrial control. Detailed site evaluation and network planning processes, together with Honeywell Analytic's Location Accuracy Estimator Tool, are required to determine placement location for optimum operation on a wireless network.

About the CONNEXT Wireless Gas Detection System

The CONNEXT Wireless consists of ConneX1, a wireless single gas detector, LocaXion Anchor beacon devices, LocaXion Manager, and the IntelliDoX Docking Module for ConneX1 detectors (IntelliDoX).

The CONNEXT Wireless Gas Detection System provides enhanced safety awareness, compliance and productivity. In the event wireless connectivity is lost, worker safety protection is provided by the gas detector. CONNEXT is not meant for non-gas detection related needs such as access control, security, mustering, or personnel tracking.

Safety at a Glance

- See the safety status of your employees.
- See the level of gas concentrations.
- See what type of alarm is occurring: Gas, Panic, Man down.
- See the location of a gas incident in near real-time.

Two-Way Communication Lets You Keep in Touch

- Two-way text communication, panic alarms, and man-down alarms keep you connected to your employees.
- Send messages between control room and operators so everyone knows what to do in case of an emergency.
- Operator can send a request for assistance with the activation of the panic alarm.
- Man-down sensor detects lack of motion in operators in case of an emergency situation.

Simplified Safety and Preventative Maintenance Reporting

- Generate required reports for types of events by gas, by process unit, by employee, by date/time range.
- Manage historical data for sensor health and bump/calibration testing for required reports using IntelliDoX and Fleet Manager II Version 3.X software.

Important Safety Information: Read First

WARNING

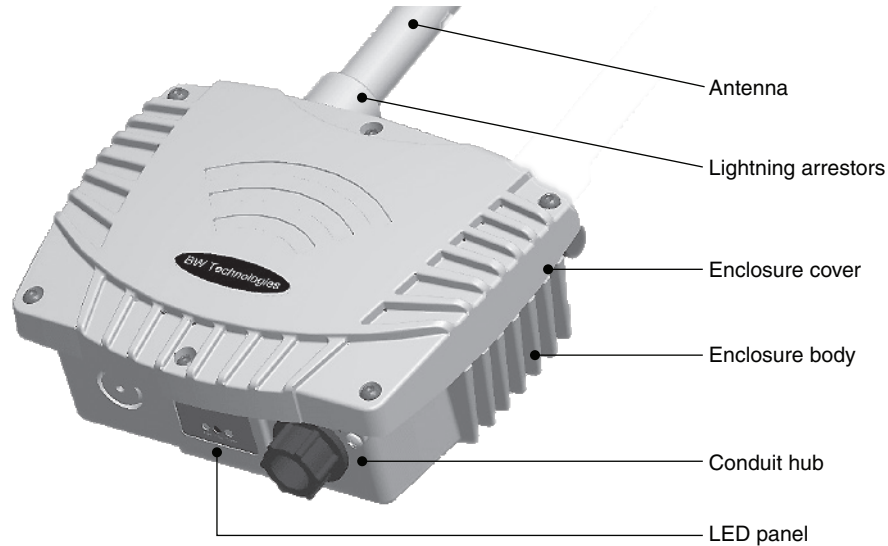
- To ensure personal safety, read and understand this guide before installing this equipment.
- Use only as specified by the manufacturer. Failure to do so may impair intrinsic safety.
- The safety and security of any system or network incorporating this equipment and its accessory components is the responsibility of the assembler of the system.
- Follow all required National Electric Codes (NEC) and safety standards.
- Read and adhere to all instructions and cautions provided with this equipment. Failure to do so may result in fire, electric shock, personal injury, and/or property damage.
- If the equipment is damaged or parts are missing, do not install. Contact BW Technologies by Honeywell or an authorized distributor immediately.
- Substitution of components may impair intrinsic safety.
- The range and operation of any wireless equipment varies depending on its surroundings. To ensure optimum performance, avoid installing the equipment adjacent to metal walls or other large metal surfaces. If equipment is mounted on a metal pole, ensure that the antenna extends above the top of the pole.
- Do not open when an explosive atmosphere may be present.
- Connect/Separate only in a non-hazardous area.

DANGER

- **ELECTRIC SHOCK HAZARD.** Turn off power to the area where the equipment will be installed. Failure to turn off the power first may result in serious electric shock, injury or death.

LocaXion Anchor

LocaXion Anchor at a Glance



Physical Description

The LocaXion Anchor has a rugged die-cast aluminum enclosure for outdoor use. The enclosure and auxiliary components are designed to meet IP64 and NEMA Type 4X ratings for protection against dust and water ingress. The enclosure measures about 8 in. x 5 in. x 3 in. (20 cm x 13 cm x 7 cm).

The enclosure has one antenna connection located on the top of the enclosure and a half-inch rigid conduit hub for the power connection on the bottom of the enclosure. The half-inch rigid conduit hub has a gasket to seal out water and dust. A rigid conduit hub, internal and external ground studs, and removable cover are provided for field installation. Three status LEDs, located on the bottom of the enclosure, provide information about power, status, and communication.

The enclosure should be mounted in a vertical orientation (antenna pointing up) on a pole or on a flat surface such as a wall using the available Universal Mounting Bracket kit. Care should be taken to ensure that the enclosure and the antenna is not in contact with or close to metallic objects that could cause radio frequency (RF) interference. The LocaXion Anchor is powered from 24 VDC.

Hazardous Location Certifications

The LocaXion Anchor is certified for use in Class 1, Division 2/Zone 2 (Groups A, B, C, D) environments.

LocaXion Anchor Communication Radio

The LocaXion Anchor's radio operates in the 2.4GHz ISM band. It houses a 2.4GHz Wi-Fi module designed to operate in harsh environments.

Antenna

Due to radio certification restrictions, only the supplied omni-directional antenna can be used.

Lightning Arrestor

The LocaXion Anchor has an integrated lightning arrestor on the antenna port. The arrestor is permanently attached and does not require field maintenance.

LED Indicators

The LocaXion Anchor has three LEDs for indicating the status and health of the device. For information about LEDs, see *Power On and Startup* on page 7.

Security

Security is a primary concern for any wireless system. LocaXion Anchor supports 802.11 standards-compliant WPA2-PSK authentication mechanisms to ensure secure, over-the-air communication and device authentication.

The LocaXion Anchor comes with WPA2-PSK security in the default factory configuration. The default WPA2-PSK security passphrase must be entered in order to connect to LocaXion Anchor for changing configuration parameters. BW Technologies strongly recommends that system administrators change the default security passphrase during initial system configuration to prevent unauthorized access to LocaXion Anchor configuration parameters and menus. Refer to **Configure the LocaXion Anchor** on page 8 for instructions on changing the WPA2-PSK security passphrase.

Install the LocaXion Anchor

Network Planning and Preparation

Complete RF network planning before installing LocaXion Anchor. Complete the following tasks before installing the LocaXion Anchors in the wireless network.

1. **Network site planning:** Complete site planning to understand how a wireless network can be built and supported for your application.
2. **RF site assessment:** Perform an RF site assessment when designing a large wireless network. The site assessment should at a minimum include the following tasks:
 1. Site assessment: Conduct the site assessment when the plant is operating, so that maximum possible interference can be measured and addressed.
 2. RF spectrum analysis: Conduct RF spectrum analysis on the 2.40-2.49 GHz band to detect any potential RF interference. Strong interference sources should be addressed (removed, avoided or minimized) before the installation.
3. **Arrange mesh:** Arrange point-to-point 2-node mesh in various locations to measure the RF propagation ability in the site. Received Signal Strength Indicator (RSSI) can serve as an indicator of the RF environment. TCP/IP throughput testing and UDP/IP throughput and packet drop rate testing should be conducted in all selected locations to measure the quality of the signal strength in the site.
4. **LocaXion Anchor placement:** Determine placement using Honeywell Analytic's Location Accuracy Estimator tool. Please contact Honeywell Analytics for further information about the use of Location Accuracy Estimator in RF system planning.
5. **Power requirements:** Identify power requirements for the network. Determine wired cable runs to provide power to the LocaXion Anchor.

Identify LocaXion Anchor Site Locations

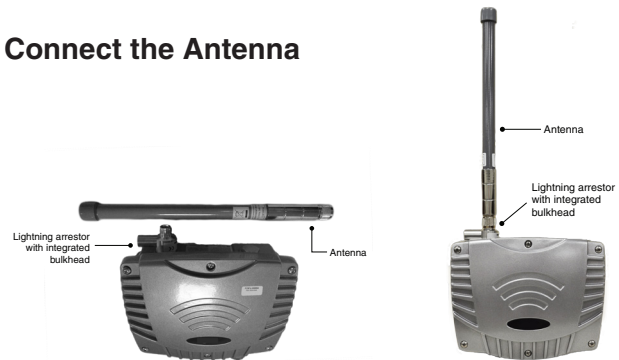
The placement of all LocaXion Anchors should be determined to ensure optimum operation in a wireless network. After the completion of network site planning and RF assessment activities, the locations for LocaXion Anchors can be determined. Locations can be mapped and preparation for LocaXion Anchors can be started.

It is recommended that the LocaXion Anchor be installed in a location free of metallic objects that could affect RF performance. Do not mount the enclosure directly onto a metal wall. Do not mount it so that the antenna is obstructed by metal objects.

Inspect LocaXion Anchor and Associated Hardware

Ensure that sufficient hardware for installing each LocaXion Anchor is available. Examine and confirm that the LocaXion Anchor and its associated hardware, such the antenna and mounting brackets, are not damaged.

Connect the Antenna

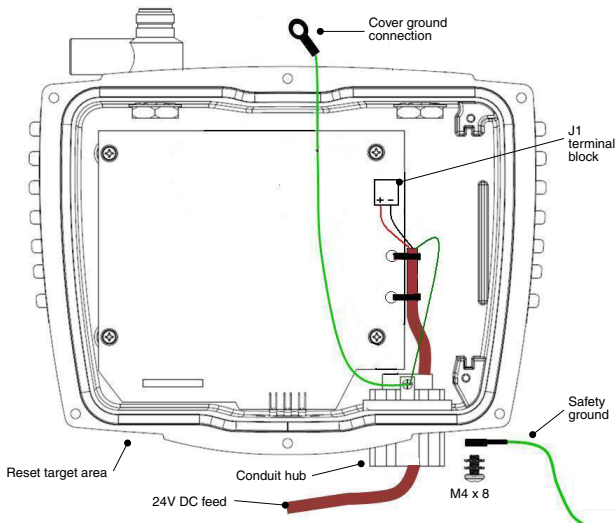


Antennas play critical role in the setup and operation of wireless systems. The 5dBi antenna provided with the LocaXion Anchor was chosen to provide maximum performance while maintaining all regulatory certifications and **must not** be replaced with an alternate, higher gain antenna.

After the antenna is connected, the connections should be sealed to protect them from the external environment. Special coax seal tape is provided with the antenna and should be used to seal the connection between the antenna and lightning arrester. The coax seal should be wrapped from the bottom up in an overlapping fashion to provide the best protection against dust and water ingress. Instructions for how to wrap the coax seal tape are provided with each antenna.

LocaXion Anchor

Ground the LocaXion Anchor



The LocaXion Anchor provides internal and external grounding points to meet various local and regulatory grounding requirements. You should ensure that the LocaXion Anchors are grounded properly by certified and authorized personnel, in accordance with all applicable codes and regulations.

The materials required to provide a proper ground are defined by local regulations, and should be obtained locally to ensure that the correct safety environment is achieved. At the least it is recommended that the ground wire attached to the safety ground terminal located next to the conduit hub be of a gauge 10 AWG or larger to ensure maximum protection in the event of a lightning strike. The ground wire can be solid or stranded and can be insulated or bare. Both copper and aluminum are UL approved but copper tends to be a better conductor of electricity and can be used in smaller gauges.

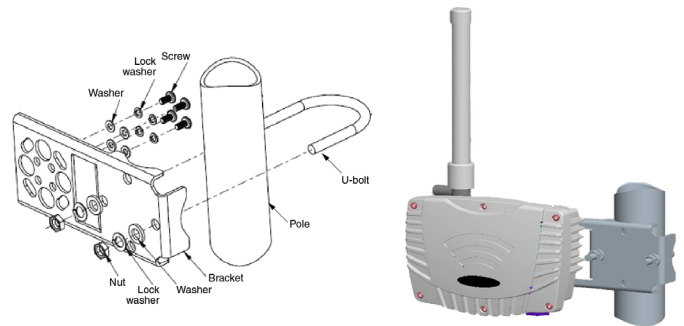
Mount the LocaXion Anchor

The assembled LocaXion Anchor, complete with antenna and lightning arrester, is now ready to be mounted. The LocaXion Anchor enclosure can be mounted on a 2-inch pole or on a wall using the optional Universal Mounting kit.

Mount to a Pole

When mounting the LocaXion Anchor on a pole, you can assemble and install the mounting hardware at the site. The mounting kit includes the following items:

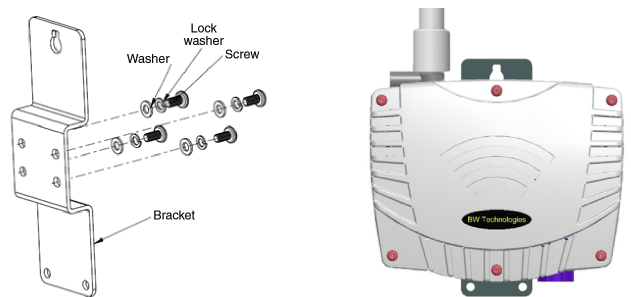
- Mounting bracket
- U-bolts with nuts, washers and lock washers
- Screws, washers and lock washers to attach the LocaXion Anchor to the mounting bracket



When using the mounting bracket for pole installation, secure the LocaXion Anchor to the bracket using the screws supplied with the bracket kit. The LocaXion Anchor can be mounted to the left or to the right of the pole using the same mounting hardware. It can also be mounted inline with the pole. However, if the pole is made of metal and the integral antenna is too close to the pole, it might cause RF communication problems. For inline mounting, the LocaXion Anchor integral antenna should clear the top of the mounting pole.

Mount to a Wall

The Universal Mounting kit comprises a wall mounting bracket and four screws with washers and lock washers. The mounting bracket fastens to four threaded bosses on the back of the LocaXion Anchor. The LocaXion Anchor should not be mounted on metallic walls because the integral antenna will be too close to the wall and cause RF propagation problems.



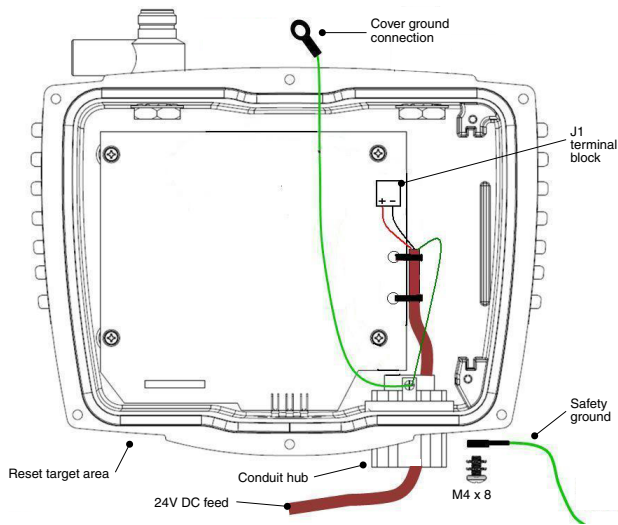
In the event that the Universal Mounting Kit is not used to mount the LocaXion Anchor please refer to the mounting template provided in the Appendix.

Connect Power

The LocaXion Anchor accepts one power cable. A professional installer must construct conduit and cable runs for power. The LocaXion Anchor is powered directly by an external 24V ± 10% DC power source such as distributed DC. Ensure that all wires inside the enclosure are routed and secured properly as shown in the diagram below.

The LocaXion Anchor has integrated terminal blocks that allow field wiring to be directly terminated inside the LocaXion Anchor without an additional external junction box.

DC Power Wiring



When powered from an external 24V ± 10% DC source, the power cable should be terminated directly into the 2 position plug connected to J1 on the main printed circuit board.

The polarity of the connector is marked on the pcb on either side of J1. The positive (+) terminal is located on the left side of the terminal block as shown in the wiring diagram above. The power cable should be shielded and the drain wire grounded inside the enclosure as shown.

Secure all connections and wires and connect the cover-ground connection lug to enclosure cover to complete the wiring.

Power On and Startup

The LocaXion Anchor has status LEDs to indicate the various stages of operation. The following table identifies the LEDs and describes the operating conditions of the unit when the LEDs are ON.

LED Indicators

Color	Description	Behavior
Red	POWER	Indicates that the power is supplied to LocaXion Anchor. When the LocaXion Anchor is powered ON, Power LED gets ON automatically
Yellow	COMM	Indicates that the data is received/transmitted. Note: Due to the extremely short and infrequent duration of the data transmission it may be difficult to distinguish the LED's status.
Green	STATUS	Indicates link status. The LED is steady when the radio is ready to communicate with client.

Connect to Network and Configure

Establish Connection Between LocaXion Anchor and Web Server

In order to change the LocaXion Anchor's configuration from any default configuration settings applied at the factory, power must be applied. After applying power confirm that the red 'POWER' LED is illuminated. Within approximately 7 - 10 seconds, possibly longer if the LocaXion Anchor has been left unpowered at temperatures below -20 degrees C, the green 'STATUS' LED shall illuminate. Connection can now be made between a computer and the LocaXion Anchor.

LocaXion Anchors are pre-configured to have the same SSID—*LocaXion_Anchor*. If multiple LocaXion Anchors are powered up at the same time it will be necessary to place the computer used to connect to the LocaXion Anchor close to the Anchor of interest. The computer will try to connect to the LocaXion Anchor exhibiting the strongest signal strength, which in this case should be the LocaXion Anchor closest to the computer. An alternate and more reliable method would be to remove power from all LocaXion Anchors except the one of interest, though that option may not be practical or available to the installer.

NOTE: BW Technologies recommends that the default WPA2-PSK passphrase be changed during system commissioning. This will prevent unauthorized access to the LocaXion Anchor configuration settings. When entering a new passphrase, ensure that it meets the minimum requirements established for a WPA2-PSK password. The passphrase must be between 8 - 63 ASCII characters in length.

Each LocaXion Anchor is shipped with WPA2-PSK security and wireless DHCP enabled. Before attempting to connect to the LocaXion Anchor, ensure that the computer's internet protocol properties are set to obtain an IP address automatically. When prompted for the security passphrase enter the following:

HON_AnchoR9LocaXion

After entering the WPA2-PSK security passphrase the authentication process will take place and a connection to the LocaXion Anchor shall be established.

Configure the LocaXion Anchor

The embedded web server built into the LocaXion Anchor's radio module allows a professional installer the ability to change configuration settings and update firmware. It is accessible via web browsers such as Internet Explorer, Firefox, or Google Chrome.

In order to change configuration settings or upload a firmware revision, a connection to the LocaXion Anchor must be established. Once a connection is established using the computer's WiFi utility proceed to open Internet Explorer and enter the following IP address into the URL of the browser:

192.168.1.99

After entering the IP address a pop-up window should appear requesting a User Name and Password. Enter the following User Name and Password as it appears below.

User name: Honeywell_LA

Password: HON_LocaXion_anchorR12

Upon entering the User Name and Password the radio module's web server shall open. Configurations previously established at the factory can now be changed, including the user name and password.

All LocaXion Anchors are shipped with the same security passphrase. As such it may be desirable to establish a unique security passphrase based on installation requirements. This is also true for the user name and password. These and other settings can be changed from within the web server. However, the level of user name and password that can be changed is limited to the user name and password used to access the web server and the levels below. User names and passwords in higher levels cannot be changed.

NOTE: User name, Password, and Security Passphrase do not require a redundant entry to ensure that desired changes have been correctly entered. Additionally, user names and passwords must be changed as a set. Care must be taken when changing these settings. An error during this process could prevent future connections to the radio module and/or web server after exiting the web server.

Maintenance and Troubleshooting

Recommended Maintenance

1. Antenna connections should be visually inspected for corrosion, contamination or water ingress on an annual basis.
2. Any maintenance required is limited to the external enclosure surface, power cable connections, and the firmware which can be updated by using a WiFi capable computer and the embedded web server used for configuration. Any unit that continues to exhibit a failure mode after performing the troubleshooting steps outlined below should be returned to BW Technologies by Honeywell for maintenance, repair, or replacement. There are no serviceable components inside the enclosure.

Troubleshooting LocaXion Anchor

The LocaXion Anchor does not have any user-serviceable parts. Any failure within the LocaXion Anchor requires a hardware replacement.

There are limited ways to determine whether a LocaXion Anchor has failed. The LEDs provide a visual indication that the LocaXion Anchor has power and that the radio module is ready to receive communications from a client or laptop computer.

1. Confirm that the red LED labeled POWER is on. If the red POWER LED fails to turn on confirm that power is available and all connections have been made correctly.
2. If the red POWER LED is on confirm that the green STATUS LED turns on within 10 seconds (possibly longer if the unit has been left unpowered for an extended period of time at temperatures at or below -20 degrees centigrade) of the POWER LED turning on.
3. In the event that the Green STATUS LED does not turn on the unit may be recovered by either power-cycling the unit or by bringing a magnet up to the target area (unused knock-out port to the left of the LED label) and removing it after 1 second. The magnet must be suitably strong and be brought in contact with the target area to ensure that the module is reset. After removing the magnet the green STATUS LED should come on within 10 seconds thereby indicating that the LocaXion Anchor has been successfully reset and should now be fully functional.
4. If the LEDs continue to indicate that a problem exists after confirming power is available, connections are secure, and/or the module has gone through the reset process than the unit must be returned to BW Technologies by Honeywell for further evaluation and repair.

Limited Warranty and Limitation Liability

BW Technologies LP (BW) warrants the product to be free from defects in material and workmanship under normal use and service for a period of two years, beginning on the date of shipment to the buyer. This warranty extends only to the sale of new and unused products to the original buyer. BW's warranty obligation is limited, at BW's option, to refund of the purchase price, repair or replacement of a defective product that is returned to a BW authorized service center within the warranty period. In no event shall BW's liability hereunder exceed the purchase price actually paid by the buyer for the Product.

This warranty does not include:

- fuses, disposable batteries or the routine replacement of parts due to the normal wear and tear of the product arising from use;
- any product which, in BW's opinion, has been misused, altered, neglected or damaged, by accident or abnormal conditions of operation, handling or use; or
- any damage or defects attributable to repair of the product by any person other than an authorized dealer, or the installation of unapproved parts on the product.

The obligations set forth in this warranty are conditional on:

- proper storage, installation, calibration, use, maintenance and compliance with the product manual instructions and any other applicable recommendations of BW;
- the buyer promptly notifying BW of any defect and, if required, promptly making the product available for correction. No goods shall be returned to BW until receipt by the buyer of shipping instructions from BW; and
- the right of BW to require that the buyer provide proof of purchase such as the original invoice, bill of sale or packing slip to establish that the product is within the warranty period.

THE BUYER AGREES THAT THIS WARRANTY IS THE BUYER'S SOLE AND EXCLUSIVE REMEDY AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. BW SHALL NOT BE LIABLE FOR ANY SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES OR LOSSES, INCLUDING LOSS OF DATA, WHETHER ARISING FROM BREACH OF WARRANTY OR BASED ON CONTRACT, TORT OR RELIANCE OR ANY OTHER THEORY.

Since some countries or states do not allow limitation of the term of an implied warranty, or exclusion or limitation of incidental or consequential damages, the limitations and exclusions of this warranty may not apply to every buyer. If any provision of this warranty is held invalid or unenforceable by a court of competent jurisdiction, such holding will not affect the validity or enforceability of any other provision.

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In no event is Honeywell liable to anyone for any indirect, special or consequential damages. The information and specifications in this document are subject to change without notice.

LocaXion Anchor, IntelliDoX, ConneX1, Fleet Manager II, and CONNEXT are trademarks of Honeywell International, Inc. Other brand or product names are trademarks of their respective owners.

Symbols, Warnings and Cautions

This guide uses the following signal words, as defined by ANSI Z535.4-1998:

DANGER

Hazardous situation which, if not avoided, **will** result in death or serious injury. This symbol identifies the most extreme hazardous situations.

CAUTION

Hazardous situation which, if not avoided, **could** result in death or serious injury.

WARNING

Hazardous situation which, if not avoided, **may** result in moderate or minor injury.

NOTICE

Situations which, if not avoided, may result in property damage.

Specifications

LocaXion Anchor Specifications	
Enclosure dimensions	20 x 13 x 7 cm (L x W x H)
Power requirements	24VDC \pm 10%, 5W
External ports and connections	1 external antenna ports for 2.4 GHz
Internal connections	1 power cable terminal block 1 grounding cable terminal connection
Mechanical shock	4 G
Supported data rates	Radio: 802.11b: 11, 5.5, 2, 1 (Mb/s) 802.11g: 54, 48, 36, 24,18, 12, 9, 6 (Mb/s)
Frequency band and operating channels	Unlicensed ISM band (2.412 to 2.462 GHz) 14 channels
Security	WPA2-PSK
Transmit power (maximum)	15dBm (+/- 3dBm)
Receive sensitivity (typical)	802.11b, -93dBm@1Mb/s 802.11g, -90dBm@6Mb/s
Operating temperature	-40°C \leq Tamb \leq +75°C (-40°F \leq Tamb \leq +167°F)
Operating humidity	0~99% noncondensing
Transportation and storage temperature	-40°F to 185°F (-40°C to +85°C)
Transportation and storage humidity	0~99% non-condensing

Regulatory Compliance

CAUTION: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment should be installed and operated with minimum distance 20 cm between the radiator and your body.

REMARQUE: Toutes les modifications non autorisées expressément par le fabricant responsable de la conformité peut annuler le droit de l'utilisateur à faire fonctionner le produit.

Federal Communications Commission Compliance Statements

The Federal Communications Commission (FCC) compliance statements are as follows:

This device complies with Part 15 of the FCC Rules and Regulations. Operation of the device is subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.
- This equipment has been tested and found to comply within the limits for a Class A B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and radiates radio frequency energy and, if not installed and used in accordance with these instructions, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user should correct the interference at his own expense.
- Intentional or unintentional changes or modifications must not be made to the LocaXion Anchor unless under the express written consent of the party responsible for compliance. Any such modifications could void the user's authority to operate the equipment and voids the manufacturer's warranty.

Industry Canada Compliance Statements

The Industry Canada (IC) compliance statements are as follows:

- To reduce potential radio interference to other users, the antenna type and its gain must be chosen so that the Equivalent Isotropic Radiated Power (EIRP) is not more than that permitted for successful communication.

Operation is subject to the following two conditions:

- This device may not cause interference.
- This device must accept any interference, including interference that may cause undesired operation of the device.
- This Class A digital apparatus complies with Canadian ICES-003.

Déclarations de conformité d'Industrie Canada

Le présent dispositif est conforme aux normes du CNR sur les appareils radio exempts de licence d'Industrie Canada. Son opération est soumise aux conditions suivantes :

- Le dispositif ne doit pas causer de brouillage radioélectrique et
- le dispositif doit accepter tout brouillage, y compris du brouillage qui peut causer un mauvais fonctionnement de l'appareil.

- Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

Cet équipement a été testé et jugé conforme aux limites pour un appareil numérique de classe B, en vertu de l'article 15 de la réglementation FCC. Ces limites sont conçues pour fournir une protection raisonnable contre les interférences nuisibles dans une installation résidentielle. Cet équipement génère, utilise et peut rayonner de l'énergie radiofréquence et s'il n'est pas installé et utilisé conformément aux instructions du fabricant, peut causer des interférences nuisibles aux communications radio.

Cependant, il n'existe aucune garantie que des interférences ne se produiront pas dans une installation particulière. Si cet équipement cause des interférences à la réception radio ou télévisée (ce qui peut être vérifié en mettant l'appareil hors tension, puis sur), l'utilisateur peut tenter de résoudre par une ou plusieurs des mesures suivantes:

- Réorienter ou repositionner l'antenne de réception
- Augmentez l'espace entre l'appareil et le récepteur
- Brancher l'équipement à une sortie sur un circuit différent de celui sur lequel le récepteur est branché.
- Pour obtenir de l'aide, contacter votre vendeur ou un technicien radio/télévision expérimenté

ATEX and IECEx Compliance Statements

The ATEX and IECEx compliance statements are as follows:

⚠ WARNING

- **Do not open when an explosive atmosphere may be present.**








⚠ WARNING

- **Connect/Separate only in a non-hazardous area.**
- Supply cable to be suitable for 80°C min.

SIRA 13 ATEX 4135

IECEx SIR 13|0049

Agency Approval Marks

Mark	Description
	The Canadian Standards mark means that the equipment has been tested and meets applicable standards for safety and/or performance. Class I, Division 2, Groups A, B, C & D Class I, Zone 2, AEx nA IIC Type 4X and IP64.
	The Conformité Européenne (CE) mark means that the radio equipment used in the European Union is in accordance with the R&TTE Directive. The CE Mark and the Notified Body (NB) identification number are used when the NB is involved in the conformity assessment procedure. The alert sign should be used when a restriction on use (output power limit by a country at certain frequencies) applies to the equipment and should follow the CE marking. R&TTE Directive 1999/5/EC EMC Directive 2004/108/EC LVD Directive 73/23/EEC GP design guidelines EN 61010-1, Pollution degree 2
	The Ex mark means that the equipment complies with the requirements of the European standards that are harmonized with the 94/9/EC Directive and that the equipment and protective systems can be used in potentially explosive atmospheres. CMRI & SA : Ex nA IIC
	The FCC mark means that the equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. FCC Part 15 Subpart B FCC Part 15 Subpart C FCC Part 15 Subpart E
	The C-Check mark means that it is a certification trade mark registered to Australian Communications and Media Authority (ACMA) in Australia under the Trade Marks Act 1995 and to RSM in New Zealand under section 47 of the NZ Trade Marks Act. The mark is only to be used in accordance with conditions laid down by ACMA and RSM. This mark is equal to the CE Mark used in the European Union. AS NZS 4771-2000
	The IC mark means that the wireless radio of the device complies with RSS 210 Industry Canada. The Class B digital complies with Canadian ICES-003. RSS-210, Issue 6 and RSS-en, Issue 1 ACMA: AS NZS 4771-2000
	The European Telecommunications Standards Institute (ETSI) mark means that the device complies with the European Telecommunications Standards. Emissions Specification and Method: EN 300 328 V1.7.1 Immunity Specification: EN 301 489-17 V2.1.1 Immunity Method: EN 301 489-1 V1.8.1 Product Standard: IEC61326-1

Declarations of Conformity

This section contains the Declaration of Conformity (DoC) statement for the LocaXion Anchor device and the countries it is intended to be used in. For a complete list of compliant models, contact Honeywell.

LocaXion Anchor Intended Country Usage

Region	Country	ISO 3166 2-letter code
North America	United States	US
	Canada	CA
Australia and New Zealand	Australia	AU
	New Zealand	NZ
European Union	Austria	AT
	Belgium	BE
	Bulgaria	BG
	Cyprus	CY
	Czech Republic	CZ
	Denmark	DK
	Estonia	EE
	Finland	FI
	France	FR
	Germany	DE
	Greece	GR
	Hungary	HU
	Iceland	IS
	Ireland	IE
	Italy	IT
	Latvia	LV
	Liechtenstein	LI
	Lithuania	LT
	Malta	MT
	Netherlands	NL
	Norway	NO
	Poland	PL
	Portugal	PT
	Romania	RO
	Slovakia	SK
	Slovenia	SI
	Spain	ES
Sweden	SE	
Switzerland	CH	
United Kingdom	GB	

Contact Honeywell

Corporate Headquarters

BW Technologies by Honeywell
2840 2nd Ave. SE
Calgary, Alberta
Canada T2A 7X9
Tel: +1.403.248.9226
Toll free: 1.800.663.4164
Fax: +1.403.573.3708

United States

BW Technologies by Honeywell
405 Barclay Blvd.
Lincolnshire, Illinois
USA 60669
Tel: +1.847.955.8200
Toll free: 1.800.538.0363
Fax: +1.847.955.8210

Europe

BW Technologies by Honeywell
4 Stinsford Road
Nuffield Industrial Estate
Poole, Dorset BH17 0RZ
Tel: +44 (0) 1295.700.300
Fax: +44 (0) 1295.700.301

Web

www.gasmonitors.com

www.honeywell.com

www.honeywellanalytics.com

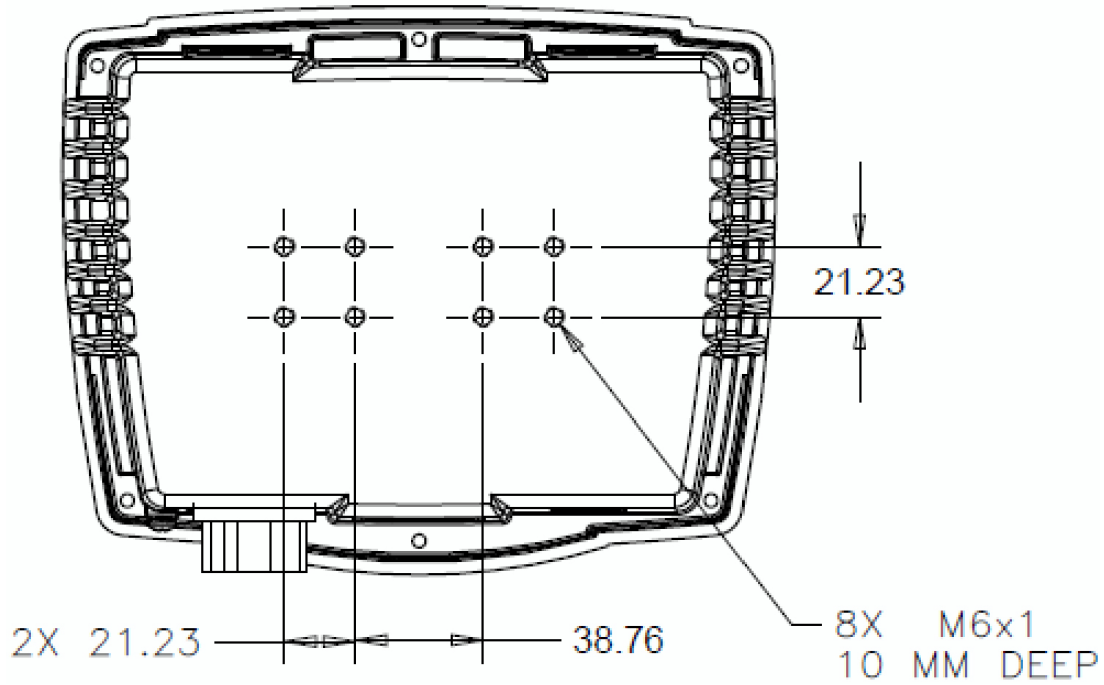
Email

info@gasmonitors.com

LocaXion Anchor

Appendix

Mounting Template



NOTE: Drawing not to scale.

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