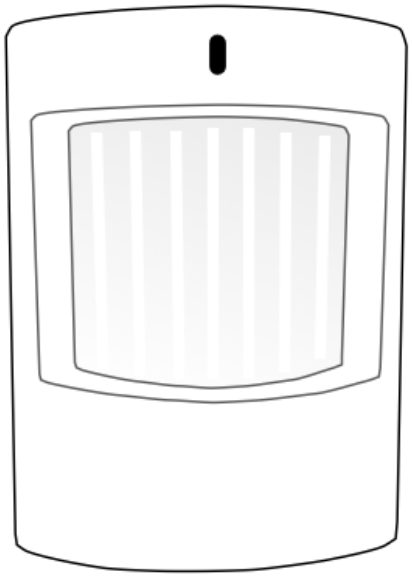
IQ MOTION-S



Note: For UL/CUL installations use this device only in conjunction with compatible Qolsys wireless alarm system IQ Panel 2.

PRODUCT FEATURES

- Advanced circuit technology resulting in ultra-low power consumption
- 40 lb. Pet immunity
- Tamper detection/reporting
- Rigid wall mounting for discreet placement
- Easy to install batteries
- Supervisory health messaging

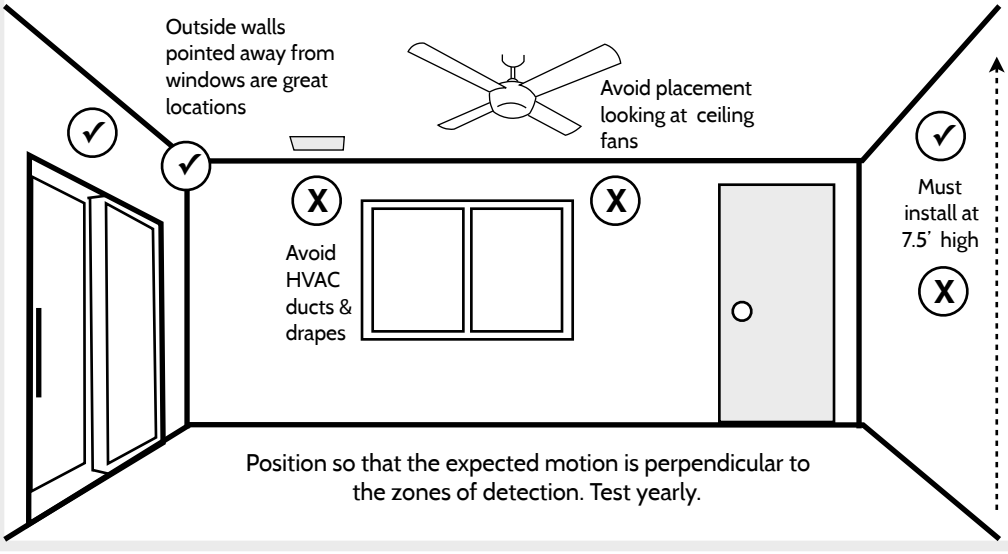
TECHNICAL SPECIFICATIONS

- Wireless signal range: 600 ft, open air
- Compatible control panels: Qolsys IQ Panel 2
- Code outputs: paring, tamper, tamper restore, alarm detect motion, alarm restore, supervisory, low battery
- Transmitter frequency: 319.5MHZ +-15KHz
- Transmitter bandwidth: 24KHZ
- Modulation type: ASK-OOK
- RF output power 91.1dBuV +/- 5% at 3m
- Sensor Range 30 ft x 40 ft
- Maximum Horizontal Sensing Angle 80°
- Sensor: 3.4H x 2.4W x 1.5D in.
- Replace batteries every 5 years with AAA Alkaline (x2). Detector intended for use with (2) Huizhou Deanda Battery Co. AAA LR03.

STEP 1 CHOOSE INSTALLATION LOCATION

LOCATION MOUNTING GUIDELINES:

- The sensor should be permanently mounted in a corner or on a flat wall that is free of vibrations, at a height of 7.5 feet.
- Mount the sensor on an insulated exterior wall facing in.
- Position the sensor to protect an area where an intruder is most likely to walk across the detection pattern.
- Position the sensor so it faces a solid reference point, such as a wall.
- If possible, mount the sensor within 100 ft of the panel. While the transmitter may have a range of 600 ft or more out in the open, the environment at the installation site can have a significant effect on transmitter range. Verify actual transmitter range for each installation.
- Close all windows in an area with an armed motion sensor.



DO NOT:

- Aim the sensor at windows, fireplaces, air conditioners, area heaters, forced air heating vents or drapes.
- Place the sensor in direct sunlight as sudden changes in temperature may trigger a false alarm.
- Mount the sensor near duct work or other large metallic surfaces that may affect the RF signals.
- Set the sensor on a shelf.
- Mount outdoors or in a non-temperature controlled environment.
- Mount at any other height than 7.5 ft.

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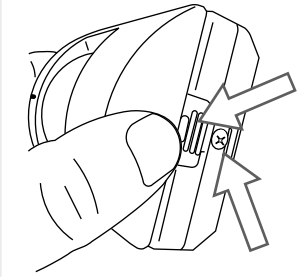
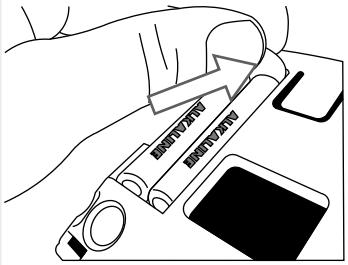
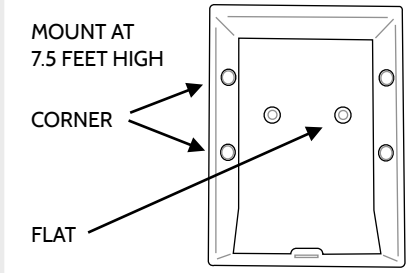
STEP 2 OPEN DEVICE CASING



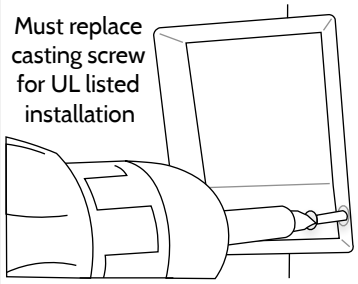
STEP 3 REMOVE BATTERY TABS



STEP 4 CHOOSE MOUNTING TYPE

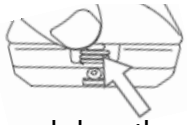


STEP 5 SECURE ALL HARDWARE



STEP 6 LEARN INTO PANEL

Place your panel in "Auto Learn" mode



Open and close the case to "tamper" the device

Customize name and settings as desired and and touch "ADD"

MODES & BEHAVIORS

NORMAL MODE:

Normal mode defines the motion detector's behavior set in which it can detect motion. It is the default state of the sensor, given no motion has been detected. While in normal mode, a motion detector sensor can go into both sleep mode and walk test mode, as is described below.

During any given time in normal mode, the motion detector can transmit up to TWO active events. Once the first active event is sent, the motion detector has a 4 second timeout delay before a second active event can be transmitted. After the first active event is sent, a 5 minute timer starts; if a second active event is sent during this 5 minute period, the motion detector will go into sleep mode for the remainder of the 5 minute period. Once this 5 minute period times out, the motion detector returns to its normal behavior where it can transmit two active events.

During normal mode, a motion detector will send a supervisory heartbeat to the panel 70 minutes after the last event transmission. If the device has been idle for 70 minutes consecutively, it will send out a heartbeat supervisory transmission.

SLEEP MODE:

Sleep mode defines a limited period when the motion detector does not transmit any active or idle events to the panel in order to conserve battery life. The sleep mode timer last five minutes and starts once the first active event is sent. During this period, if a second active event is transmitted, the motion detector will go into sleep mode until the timer finishes counting down.

WALK TEST MODE:

Walk test mode is activated by opening the motion detector back plate enough to release the tamper switch, then closing it again. During walk test mode the red LED on the front of the detector will light up every time motion is detected. Use this feature to test the coverage pattern of the protected area. The motion detector will remain in walk test mode until there is a period of one minute of inactivity, meaning that no motion is detected for one minute, at which time it will return to normal mode.

PET IMMUNITY:

The IQ Motion Detector is pet immune up to 40 lbs when mounted at 7.5 feet high and angled downward. Pets must not be allowed to climb on objects such as furniture, shelves, boxes, etc. within the field of coverage (see detection pattern on page 3 of this manual). The detector should not be looking directly at stairs that would allow a pet to walk up them when the panel is armed.

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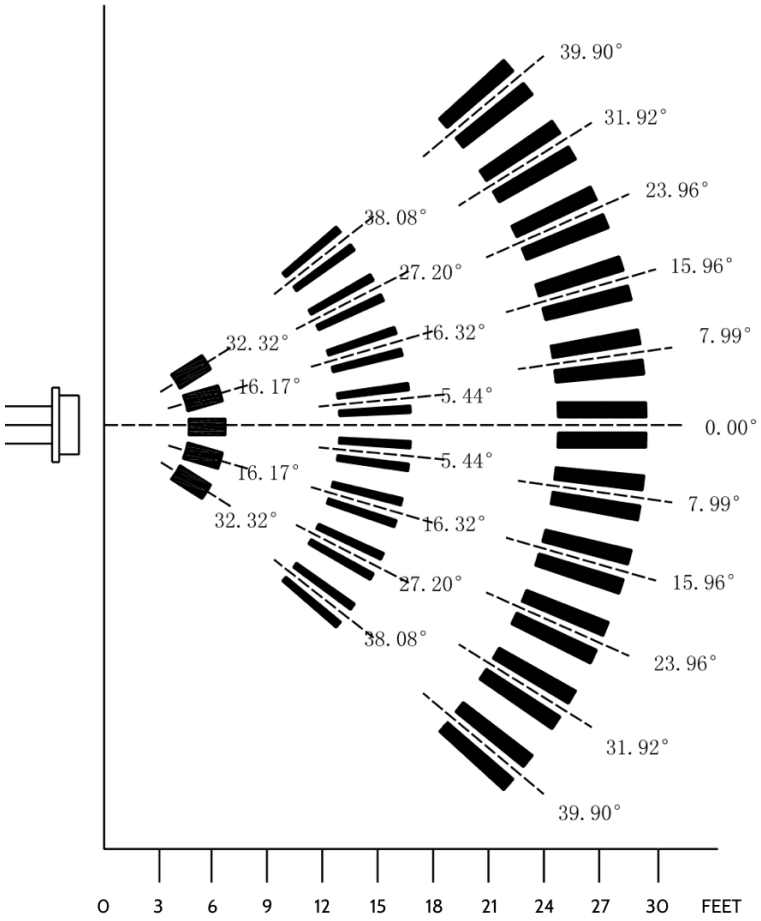
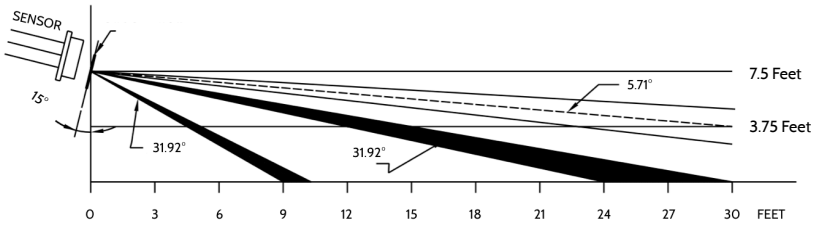
DETECTION PATTERN

TOP VIEW:



SIDE VIEW:



BATTERY REPLACEMENT

AAA Alkaline (2 per sensor)
Battery life expectancy: 5 years. (Lifetime may vary depending on number of activations, environmental conditions, etc.)

To replace batteries:

- Push button on bottom of sensor and remove from backplate.
- Remove old batteries and replace with new ones.
- Re-install in reverse order.

ENVIRONMENTAL

Operating Temperature: 0˚C~49˚C
Relative Humidity: 93% Max
Storage Temperature: -40-80˚C

CONNECTS USING S-LINE SECURE 319.5 MHz

Document#: IQM-SIM-04-18
Revision#: 4/20/18
Issue Date: APR 2018
Qolsys Part #: QS1231-840

SECURITY c UL us LISTED Equipment BP21056

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IC: 11205A-QS1200

GOT QUESTIONS?
CONTACT TECH SUPPORT
TechSupport@Qolsys.com

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.
Cet appareil est conforme avec Industrie Canada exempts de licence standard RSS (s). Son fonctionnement est soumis aux deux conditions suivantes: (1) cet appareil ne doit pas provoquer d'interférences et (2) cet appareil doit accepter toute interférence, y compris celles pouvant causer un mauvais fonctionnement de l'appareil.