IQ KEYPAD
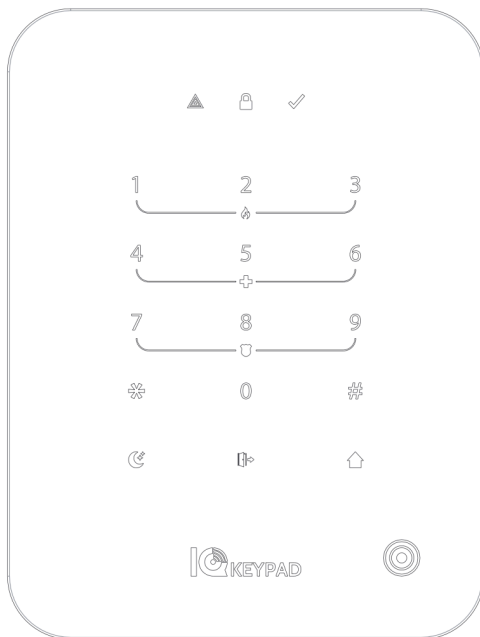## INSTALLATION MANUAL

IQ Keypad is a battery powered, capacitive touch keypad for use with compatible IQ4 NS, IQ4 Hub & IQ Panel 4 platforms via the PowerG protocol. It provides an easy and intui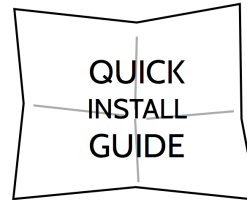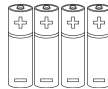tive interface to control basic features of the system. This manual covers both IQ Keypad-PG and IQ Keypad Prox-PG models.

INCLUDED IN BOX

IQ Keypad

4 x AA
Batteries

QUICK
INSTALL
GUIDE
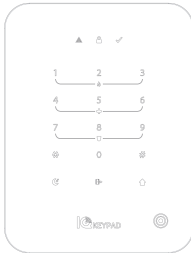
SUPPORT

?

QUESTIONS?

Contact us at
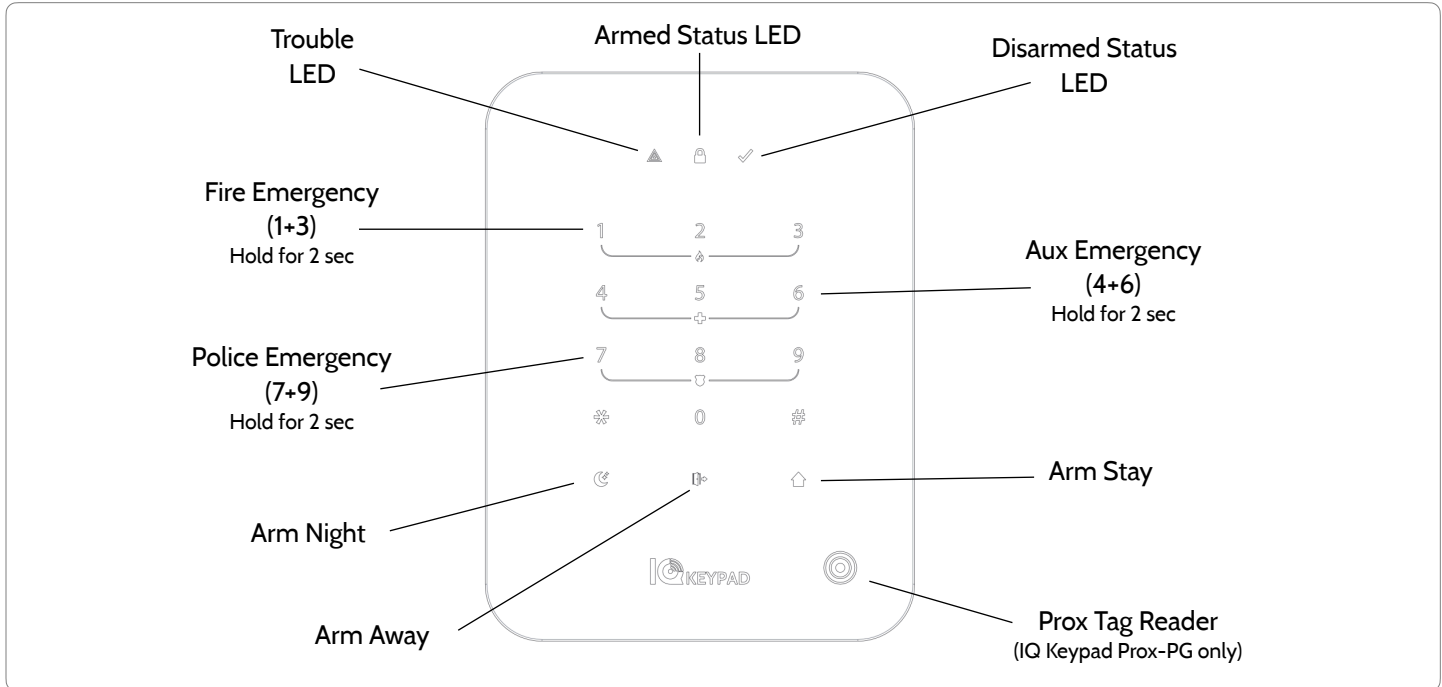intrusion-support@jci.com

ABOUT THIS GUIDE

This document outlines the basic hardware specifications and software directions to install and customize the IQ Keypad. Note that the information presented is not comprehensive, but is specifically dedicated to those menus, features, and systems accessible solely to those with the proper installation code. Features accessible to users and installers alike are outlined in the IQ Keypad User Guide. The information contained is confidential and proprietary, and is solely owned by Qolsys Inc. Any reproduction, modification or distribution without permission is strictly prohibited. Reference to IQ Keypad throughout this manual covers both models IQ Keypad-PG and IQ Keypad Prox-PG unless stated differently.
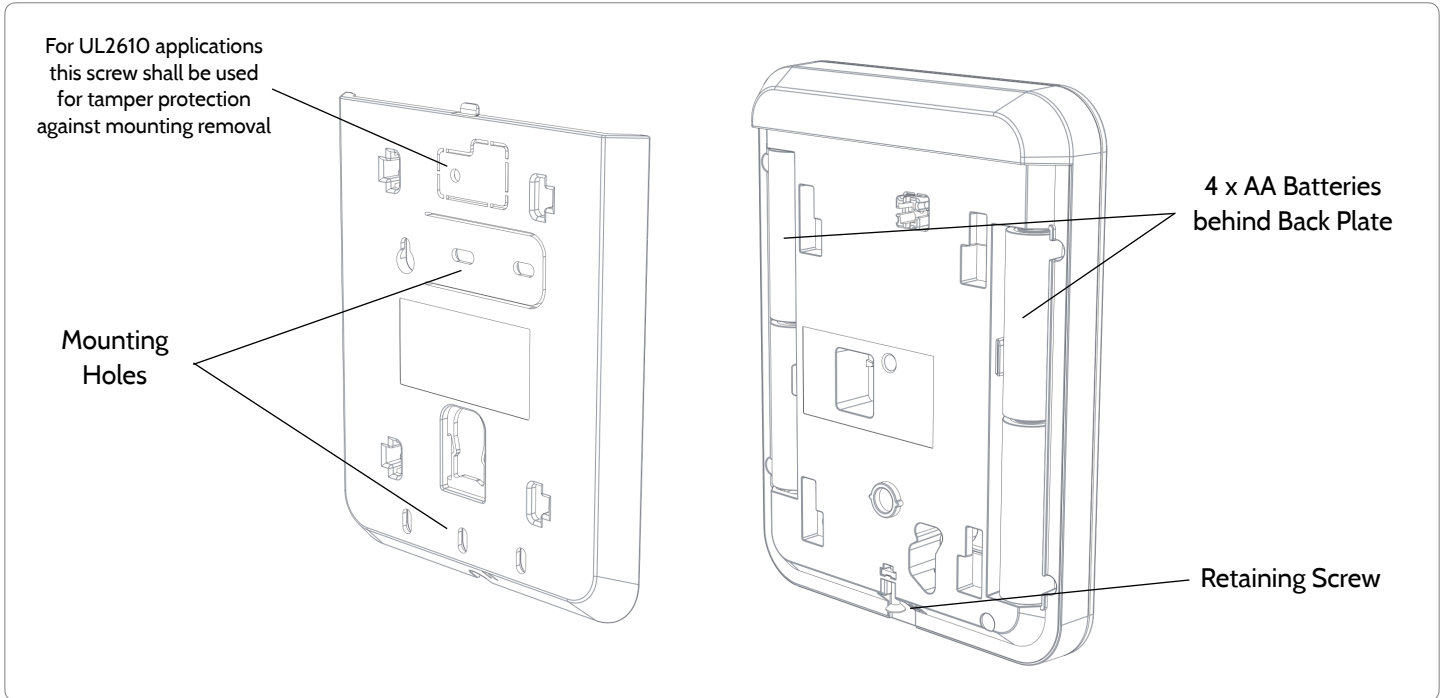
IQ KEYPAD OVERVIEW

Warning: This Product should be installed in accordance with the National Fire Alarm Code, ANSI/NFPA 72, (National Fire Protection Association, Batterymarch Park,Quincy, MA 02269) and with National Electric Code, ANSI/NFPA 70. Printed information describing proper installation, operation, testing, maintenance, evacuation planning, and repair service is to be provided with this Product. In Canada the product shall be installed in accordance with the Standard for the Installation of Residential Fire Warning Systems, CAN/ULC-S540.

Warning: For Canadian installations this Product and all sensors associated with it (collectively, the "System") should be tested once a week. The test shall be performed also with primary DC power de-energized. For recommended smoke detectors maintenance instructions refer to user manual associated with compatible Qolsys model QS5110-P840 smoke detector.

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EXTERIOR FRONT

Trouble LED

Armed Status LED

Disarmed Status LED

Fire Emergency (1+3)
Hold for 2 sec

Aux Emergency (4+6)
Hold for 2 sec

Police Emergency (7+9)
Hold for 2 sec

Arm Stay

Arm Night

Arm Away

Prox Tag Reader
(IQ Keypad Prox-PG only)

EXTERIOR BACK

For UL2610 applications this screw shall be used for tamper protection against mounting removal
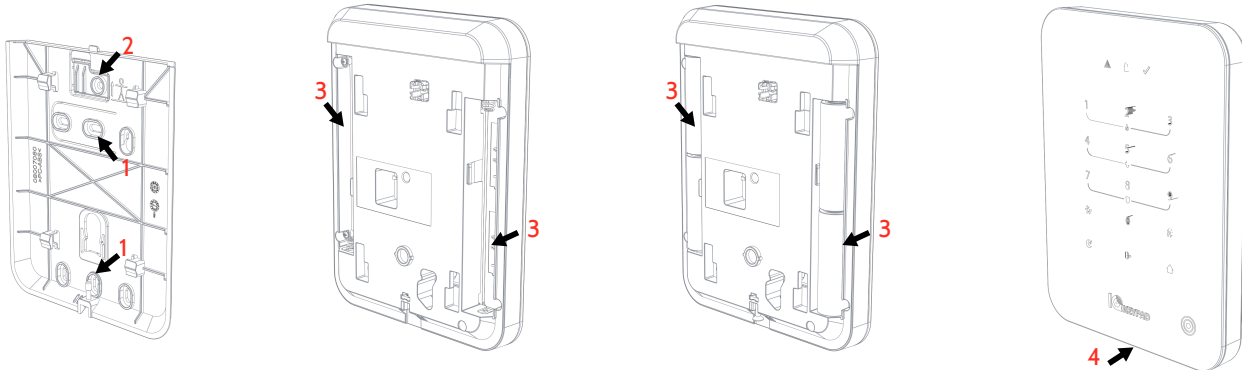
Mounting Holes

4 x AA Batteries behind Back Plate

Retaining Screw

INSTALLING IQ KEYPAD

WALL MOUNT

Note: For UL/ULC Commercial Burg installations (UL2610/ULC-S304 Security Level II compliant) use only wall mount option.
This product when installed as per these instructions does not present the risk of fire, electric shock, or injury to persons.

1. Mount the bracket to the wall using appropriate hardware ensuring it is level.

2. A screw shall be used in this hole for UL2610 installations

3. Insert the 4 x AA batteries in to the battery slots.

Be sure to observe correct polarity.
Use only Energizer AA 1.5V ALKALINE BATTERY

4. Slide the keypad down onto the wall mount and secure with the bottom screw so that it can not be removed.

INSTALLING THE IQ KEYPAD

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ENROLLING THE IQ KEYPAD

The IQ Keypad can be paired to either an IQ4 NS, IQ4 Hub or IQ Panel 4 running software version 4.4.0 or higher using the PowerG protocol. Panels that do not have the PowerG daughter card installed will not support the IQ Keypad. Follow the instructions below to pair an IQ Keypad to the primary panel:

1. On the primary panel, start the "Auto Learn" process as indicated in the primary panel manual (Settings/Advanced Settings/Installation/Devices/Security Sensors/Auto Learn Sensor).

2. On the IQ Keypad press and hold ✳ for 3 seconds to initiate pairing.

3. The IQ Keypad will be recognized by the primary panel. Configure options accordingly then touch "Add New".
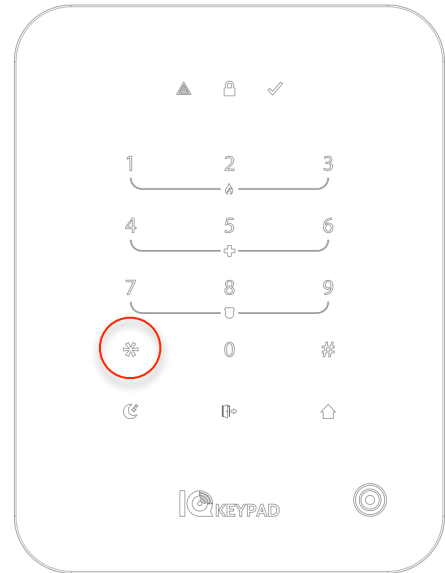
NOTE: The IQ Keypad may also be manually paired to a panel by using the sensor ID printed on the device beginning with 372-XXXX. If manual learn is used instead of Auto Learn, you must network the device after pairing is complete by pressing and holding [*] for 3 seconds.

USER INTERFACE

STATUS LIGHTS

KEYPAD STATUS LIGHTS:
Status lights help you understand the state of the system at a glance.

Status Lights	LED	Description
	OFF	Not ready to Arm.
	ON	Ready to Arm.
	FLASHING	Ready to Arm, bypass-able zones are open.
	OFF	Disarmed
	ON	Armed
	FLASHING	Alarm occurred
	RAPID FLASHING	Bell silenced for Fire Alarms
	OFF	No Trouble
	ON	System Trouble
	FLASHING	Keypad Low Battery

ARMING

ARMING KEYS:
Arming keys are the primary way of controlling the system from the IQ Keypad.

Key	Description
⌂	Arm Stay
🚪⇒	Arm Away
🌙	Arm Night

NOTE: If successful, the Armed Status LED will flash twice. If communication is not successful, the keypad flashes all keypad number LED's (backlight) 0.5 seconds ON/OFF twice.

SECURE ARMING

SECURE ARMING:
When Secure Arming is enabled on the primary panel, a valid 4 - 6 digit users code is required to Arm the system.

Key	Description
⬆	Arm Stay + [Access Code] or [Prox Tag]
◻⇨	Arm Away + [Access Code] or [Prox Tag]
🌙	Arm Night + [Access Code] or [Prox Tag]

PROX TAG SUPPORT:
For "IQ Keypad Prox-PG" models that support Prox Tags, you may Arm with a Prox Tag in place of a 4 - 6 digit code if Secure Arming is enabled and by pressing the Arming icon of choice, followed by presenting your tag in front of the bullseye icon on the lower right hand side of the keypad.

DISARMING

DISARMING KEYS:
Disarming from the IQ Keypad is easy. Simply enter a valid 4 - 6 digit code into the keypad and the system will disarm.

NOTE: If successful, the Armed Status LED will flash twice. If communication is not successful, the keypad flashes all keypad number LED's (backlight) 0.5 seconds ON/OFF twice.

PROX TAG SUPPORT:
For "IQ Keypad Prox-PG" models that support Prox Tags, simply present your tag in front of the bullseye icon on the lower right hand side of the keypad and it will light up indicating the the tag has been read successfully. If the system is armed, presenting a valid Prox Tag will disarm it.
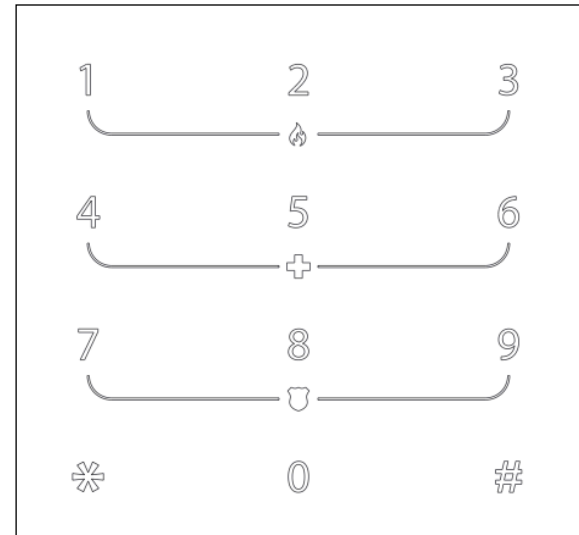
EMERGENCY KEYS

EMERGENCY KEYS:
Emergency keys allow you to trigger an emergency panic directly from the IQ Keypad.

Key	Description
🔥	Press and hold both the 1 & 3 keys simultaneously to generate a fire alarm.
✚	Press and hold both the 4 & 6 keys simultaneously to generate an auxiliary emergency alarm.
🛡	Press and hold both the 7 & 9 keys simultaneously to generate a police panic alarm.

NOTE: Press and hold emergency keys for 2 seconds

STAR MENU

STAR MENU:
The Star Menu on the IQ Keypad allows access to more advanced functionality such as silent arming, bypassing zones, turning on/off the chime, buzzer and more. See table below for a list of functions

Press	Action
[*] + [Arm/Disarm Button]	Silent Arm/Disarm
[*][1] + [Access Code]	Bypass all open Zones
[*][4] + [Access Code]	Toggle Chime On/Off
[*][6] + [Access Code]	Toggle Keypress Buzzer On/Off
[*][7] + [Output #] + [Access Code]	Toggle Command Output
[*][8] + [Access Code]	Turn on Installer Programming Access (EN Grade 2 only)
[*][9] + [Access Code]	Arm System with No Entry Delay

NOTE: All * menus will follow secure arming option whether an access code is needed or not

PARTITION ARMING

#

PARTITION ARMING:
The Hash Menu on the IQ Keypad allows access to Partition Arming functionality. It may also act as a "Home" button to back out of any button press activity and start over. See table below for a list of functions.

Press	Action
[#][1] + [Arm Stay] + [Access Code] or [Prox]	Arm Partition 1 to Stay
[#][2] + [Arm Stay] + [Access Code] or [Prox]	Arm Partition 2 to Stay
[#][3] + [Arm Stay] + [Access Code] or [Prox]	Arm Partition 3 to Stay
[#][4] + [Arm Stay] + [Access Code] or [Prox]	Arm Partition 4 to Stay
[#][1] + [Access Code] or [Prox]	Disarm Partition 1
Hold [#] for 2 Seconds	Cancels any current IQ Keypad activity or button presses

MAINTENANCE

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BATTERY REPLACEMENT
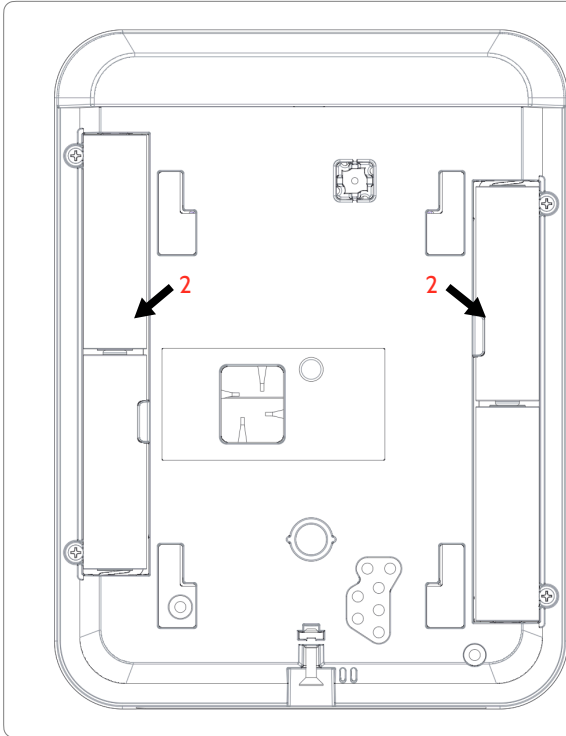
1. **Remove Keypad from Backplate:** Unscrew the bottom screw on the bottom of the keypad and then slide up to remove the keypad from the wall mount.

2. **Remove Batteries:** Remove the 4 x AA batteries from the back of the keypad. Do **NOT** use a screwdriver or anything sharp that could puncture the battery.

3. **Install New Batteries:** Insert new 4 x AA batteries into the battery slots. Be sure to observe polarity.

4. **Reinstall Keypad on Backplate:** Slide the keypad down onto the wall mount and secure with the bottom screw so that it can not be removed. Test and verify functionality with the primary panel.

Use only Energizer AA 1.5V ALKALINE BATTERY

CAUTION: Do **NOT** use a screwdriver or anything sharp that could puncture the battery.

LEGAL

UL/cUL RESIDENTIAL FIRE & BURGLARY INSTALLATIONS

This product has been tested and found in compliance with the following standards: UL1023 Household Burglar-Alarm System Units, UL985 Household Fire Warning System Units, ULC-S545 Residential Fire Warning Systems Control Units and ULC-S304 Security Level I Control Units, Accessories and Receiving Equipment for Intrusion Alarm Systems. For ULC Installations refer to the Standard for the Installation of Residential Fire Warning Systems, CAN/ULC-S540.

Wireless Supervision window at the control panel shall be set to 4 hours for UL/ULC Residential Fire Installations. Wireless Supervision window at the control panel shall be set to 24 hours for Residential Burglary Installations only.

UL/ULC COMMERCIAL BURGLARY INSTALLATIONS

This product has been tested and found in compliance with the following standards: UL2610 Central Station Burglar-Alarm Units and ULC-S304 Control Units, Accessories and Receiving Equipment for Intrusion Alarm Systems, Security Levels I-II.

Note: The product is not intended for installation outdoors or outside the protected premises.

This product is UL/ULC listed under the following categories: AMQE/AMCX7 Central Stations Alarm Units, UTOU/UTOU7 Control Units and Accessories, Household System Type NBSX/NBSX7 Household Burglar Alarm System Units. For further information on this product's listings please also refer to the official listing guides published at the UL website (www.ul.com) under Online Directory Section.

Programming:
The notes in the Installation Manual describing the system configurations for UL/uLC listed installations shall be implemented.

Note: For UL certified Commercial Burglary Central Station applications the IQ Keypad provides an acknowledgment signal to the user interface to confirm that normal closing signal has been received once the system has been armed. The device causes an audible and visual indication, when it receives the acknowledgment signal transmitted from the monitoring station compatible receiver: "Panel- Arming Response from Central Station is Acknowledged"

UL/ULC COMMERCIAL BURGLARY INSTALLATIONS continued...

User Information:
- The installer should advise the user and note in the User's Manual
- Service organization name and telephone number
- The programmed exit and entry time
- Instructions to test system weekly
- Note that the installer code cannot arm or disarm the system
- The installer should caution the user not to give system information (e.g., codes, bypass methods, etc.) to casual users (e.g., service people) and to only give out codes set to expire within 24 hours
- Identification of the conditions that might be expected to result in false alarms or impaired operation of the product(s): arming the system and not respecting the exit delay, entering the protected premises and not respecting the entry delay for disarming the system can cause false alarms.

FCC & ISED CANADA COMPLIANCE STATEMENT

This Class [B] digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.
Cet appareil numérique de la classe [B] respecte toutes les exigences du Réglement sur le matériel brouilleur du Canada.

IMPORTANT! Changes or modifications not expressly approved by Qolsys Inc. could void the user's authority to operate the equipment.

CAUTION! This equipment complies with radiation exposure limits set forth for uncontrolled environment. The antenna(s) used for this transmitters must be installed to provide a separation distance of at least 20 cm from all persons and must not be collocated or operating in conjunction with any other antenna or transmitter.
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.

FCC & ISED CANADA COMPLIANCE STATEMENT continued...

This 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. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

–Reorient or relocate the receiving antenna.
–Increase the separation between the equipment and receiver.
–Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
–Consult the dealer or an experienced radio/TV technician for help.

SPECIFICATIONS

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Items	Parameters	IQ Keypad
Interface	Type	Capactive touch key mat (0-9, *, #, Arm Stay, Arm Away, Arm Night keys)
Wireless	Security R/F	PowerG 912- 919MHz, 868MHz, 433MHz. UL listed models only operate in 912-919MHz band
LED Indicator	Status LEDs	Trouble, Arming, Status
Buzzer		1x for key presses, chirps and alarms
Tamper	Tamper Switch	Wall and Enclosure Tamper
Battery	Type	4 x AA - Use only Energizer AA 1.5V ALKALINE BATTERY
Mechanical	Dimension	6.1"H x 4.6"W x .91"D (155mm x 117mm x 23mm)
Mount	Back Plate	Wall mount only
Certification	UL/cUL/ULC	UL/cUL Residential Fire and Burglary and UL/ULC Commercial Burglary Alarm Control Unit. Compliant with standards: UL985, UL1023, UL2610, ULC-S545, ULC-S304
	FCC/IC	FCC ID: 2AAJXQS-IQKP IC: 11205A-QSIQKP
Temperature	Operational	-10 to 55C, up to 93% relative humidity, indoor, dry ordinary locations use only (*)
	Storage	-40 to 85C, up to 95% relative humidity, indoor, dry ordinary locations only (*)

 (*) Note: UL has only verified operation in 0C - 49C and up to 93%RH