
Introduction

The reference to IQ Lockdown PowerG throughout this manual includes the model IQ LOCKDOWN PG.



Safety instructions

Read the safety information before you install the equipment.

The detector shall be installed and used within an environment that provides the pollution degree max 2 and over voltages category II in non-hazardous locations, indoor only.

The equipment is designed to be installed by SERVICE PERSONS only; (SERVICE PERSON is defined as a person having the appropriate technical training and experience necessary to be aware of hazards to which that person may be exposed in performing a task and of measures to minimize the risks to that person or other persons).

Safety alert symbols are used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

 **WARNING:** Warning indicates a hazardous situation which, if not avoided, could result in death or serious injury.

 **CAUTION:** Caution indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

 **Attention:** Attention indicates a hazardous situation which, if not avoided, could result in harm to yourself and others.

 **NOTICE:** Notice is used to address safe-use practices not related to personal injury.

 **WARNING:** Read carefully the following warnings.

- IQ Lockdown PowerG does not prevent someone from accessing your home, business, or commercial facility via other means.
- IQ Lockdown PowerG does not prevent someone from getting through your door if they use special tools.
- IQ Lockdown PowerG is designed as a lock to prevent a closed door from being forced open when blunt force is used against the middle section of the door near the outside door handle. Any other entry attempt does not fall under the product definition or purpose of IQ Lockdown PowerG. For instance, a person who uses a special tool to remove the door or any elements of the door or attempts to cross the barrier of the door through an opening does not fall under the defined use of IQ Lockdown PowerG.
- If you experienced a breach attempt with IQ Lockdown PowerG installed we recommend that you replace your IQ Lockdown PowerG.
- Do not attempt to disassemble unit or remove components that are not explicitly stated in the installation manual.
- Do not press down on the thumb press and locking gate at the same time.
- Owner is responsible for providing alternative access to the building in the event of fire, potential smoke inhalation, carbon dioxide event, or other emergency not listed explicitly here.
- Owner is responsible to ensure proper fit and correct installation.
- Owner is responsible for safety of themselves and others. If you are unsure if this product is right for you, please consult our help team at Intrusion-Support@jci.com or other security professional.

 **CAUTION:** Read carefully the following cautions.

- Use caution when installing IQ Lockdown PowerG on a doorway during installation and use.

- Owner is responsible for reading and following the operating and safety instructions as well as proper use of the IQ Lockdown PowerG. Wear appropriate protective items during installation to avoid injury.
- Do not install near live electrical cords. Ensure installation area is free of wires, cables, pipes, and other objects that may cause hazards.
- Use only the tools referenced in the installation guide. Use of other tools or not following installation instructions may result in improper installation and decreased functionality.
- Owner is responsible for proper use and avoidance of IQ Lockdown PowerG as a bump hazard.
- Install IQ Lockdown PowerG on solid core, commercial doors only. Installation on hollow core doors will severely degrade the lock's capabilities and is not recommended.
- Owner is responsible for ensuring the unit is clean for full functionality and capabilities.
- Ensure that the provided wall charger adapter and wire accessory cable are used to charge the device as necessary. Utilizing anything other than provided could cause a shock or hazard rendering the device inoperable as well as potential injury.

ⓘ Attention: Pay attention to the following considerations.

- Owner is responsible for providing access to the building or commercial facility. Owner is responsible for ensuring alternate access into the building when needed.
- Owner is responsible for maintaining control of permissions, access control, and accountability of any key fob or credentialed device that has been shared with the IQ Lockdown PowerG.
- The unit is designed to act as a deterrent, but should still be used in conjunction with other safety measures. The unit is intended as supplementary security for use in conjunction with current lock hardware.
- Johnson Controls is not liable for any personal injuries, property damage, economic loss or any consequential damages sustained as a result of any individual that comes into contact with the lock or attempts to breach it.
- Do not consume any area of the unit.
- Do not put the unit near sensitive bodily areas.
- Do not place fingers near the center locking gate or bracketing hardware while the lock is being used. Severe injury to fingers could result from getting caught between the locking gate and bracket.

ⓘ NOTICE: Read the following notices.

- To avoid damage to the unit, do not use on wet surfaces or damp locations. The product is designed for indoor use only. Do not expose to weather elements as this may affect functionality.
- To avoid potential damage to your unit, do not simulate a breach. Damage to the unit may affect later functionality.
- Owner is responsible for ensuring unit is operating properly. Johnson Controls expressly disclaims all guarantees, whether implied or expressed, to include but not limited to fitness or merchantability for a particular purpose.

Battery information and disposal

Battery specifications

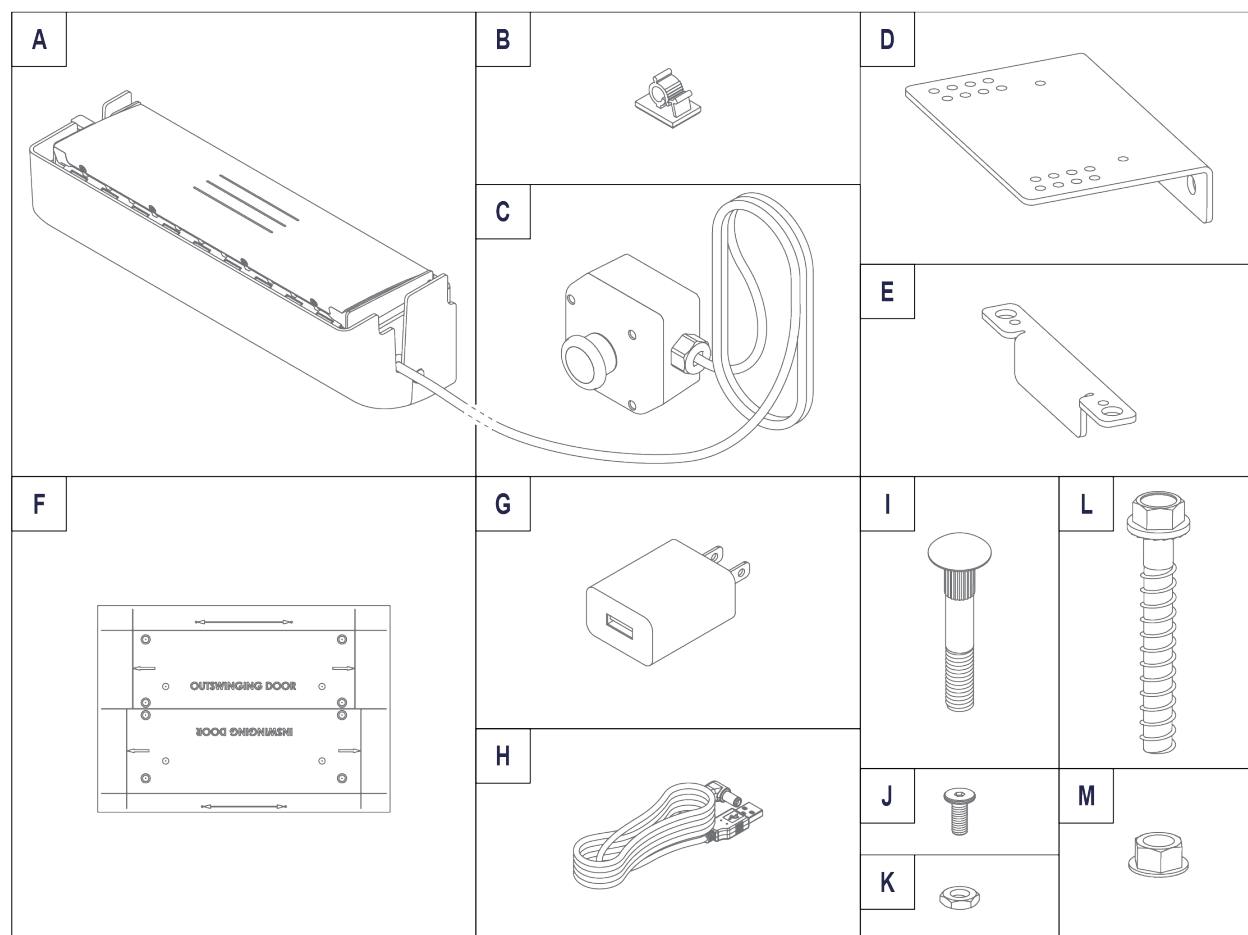
This product uses a single cell Lithium-Ion or Lithium Polymer battery that is installed in the product at the time of manufacturing and cannot be removed or replaced. The battery is rated for 3.7 V and has a 5200 mAh capacity.

⚠ CAUTION: RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.

Inside the box

Figure 1 shows what is inside IQ Lockdown PowerG box.

Figure 1: Inside the box

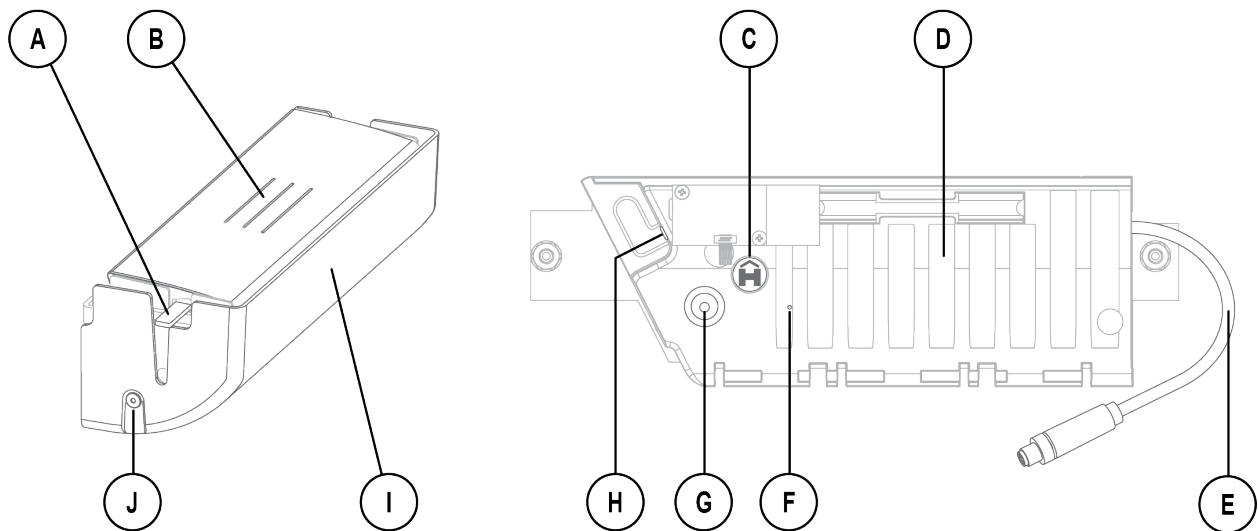


Callout	Description	Quantity
A	IQ Lockdown PowerG	1
B	Strain relief	1
C	Egress button	1
D	Latch bracket	1
E	Latch	1
F	Drill template	1
G	120 Vac USB power adapter	1
H	USB charging cable	1
I	Carriage bolt, 3/8 in.-16 x 2 1/2 in.	2
J	Low head screw, 1/4 in.-20 x 5/8 in.	2
K	Thin hex nut, 1/4 in.-20 x 1/8 in.	2
L	Trapping screw, 3/8 in. x 3 in.	2
M	Flange nut, 3/8 in.-16 x 5/16 in.	2

Identification of parts

To identify the IQ Lockdown PowerG parts, see [Figure 2](#)

Figure 2: IQ Lockdown PowerG parts

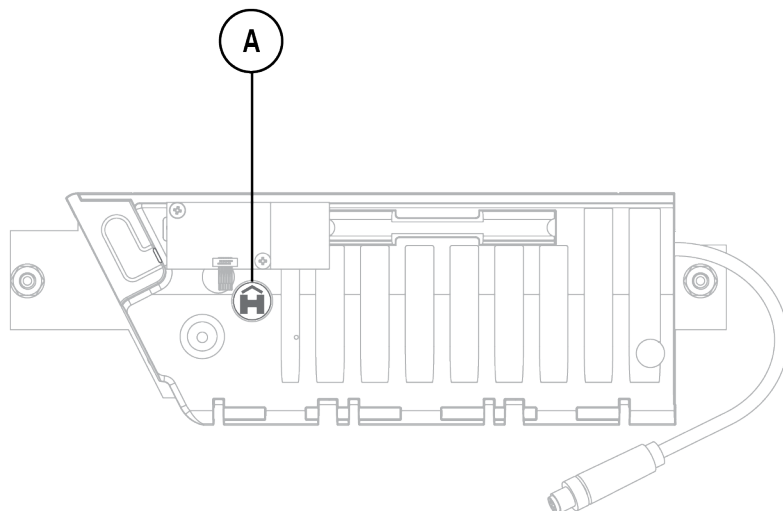


Callout	Description
A	Hand press
B	Locking gate
C	Status indicator
D	Electronic control board: inside of shell enclosure, under shelf
E	Wire harness
F	Reset button (use pin)
G	Enrolling button
H	Charging port
I	Cover
J	Cover screw

Status indicator and sounds

For the description of the IQ Lockdown PowerG status indicator and sounds see [Figure 3](#) and [Table 1](#).

Figure 3: Status indicator



Callout	Description
A	Status indicator

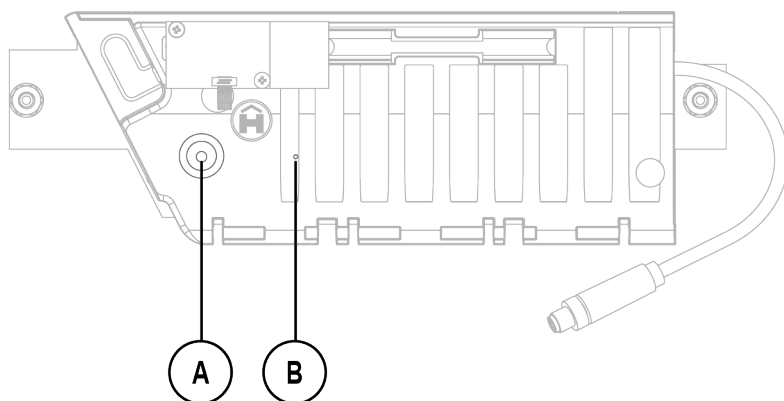
Table 1: Status indicator and sounds

Status indicator, and sounds	Description
4 yellow, 1 chirp	Gate closed successfully
4 green, 2 chirps	Gate opened successfully
Alternating green and red	Gate did not move to commanded position
Blue every second	Device has entered include or exclude mode
Solid red	If enrolling button is held for ten seconds, red LED will light and the lock will return to default settings. Use caution, this also removes it from the network.
Yellow every 2.5 seconds	Battery is charging
3 green, 2 chirp	Reset successful, after pressing reset button
3 yellow, 1 chirp	Security notification: Unit is locked and detects an impact
3 green, 2 chirps	Security notification: Unit is unlocked and detects an impact

Button functions

For the description of the IQ Lockdown PowerG buttons see [Figure 4](#).

Figure 4: IQ Lockdown PowerG buttons



Callout	Description
A	Enrolling button. Use this button for the following operations. • Enrolling on PowerG control panel: For more info, see Enrolling the device • Removing from PowerG control panel • Restore the IQ Lockdown PowerG to default: For more info, see Factory reset
B	Reset button. Use this button to reset the IQ Lockdown PowerG. To press this button, use a paperclip or similar object. For more info, see Reset .

Installing IQ Lockdown PowerG

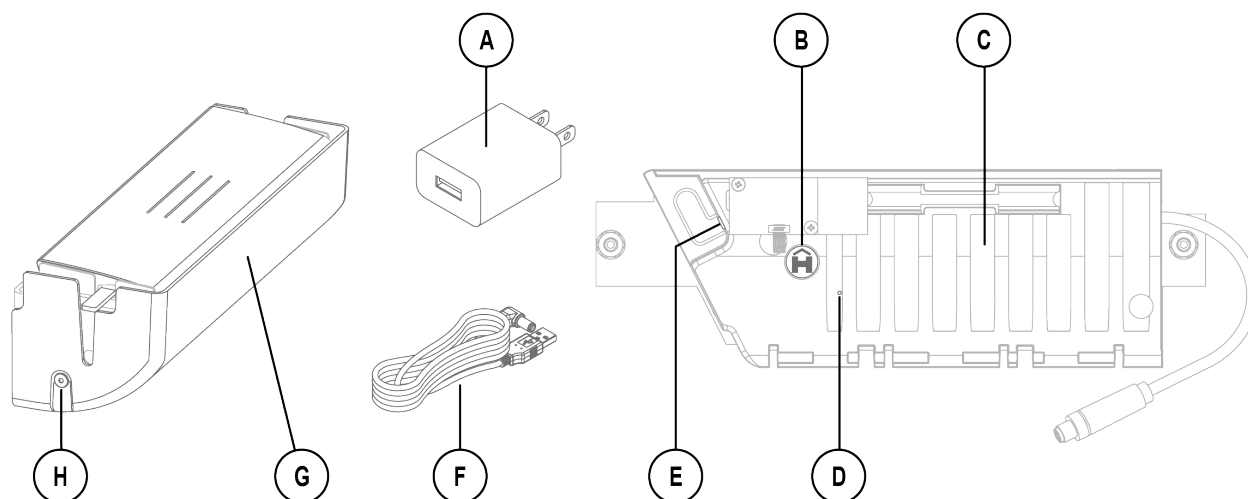
To install the IQ Lockdown PowerG, complete the following steps.

1. Charge the IQ Lockdown PowerG: For more info, see [Charging the IQ Lockdown PowerG](#).
 2. Cycle the IQ Lockdown PowerG: For more info, see [Cycling the IQ Lockdown PowerG](#).
 3. Enroll the IQ Lockdown PowerG on the PowerG control panel: For more info, see [Enrolling the device](#).
 4. Prepare the IQ Lockdown PowerG for hardware installation: For more info, see [Preparation for hardware installation](#).
 5. Optional. Connect hardwire accessories: For more info, see [Installing hardwire accessories](#).
- ❶ **Note:** The installer shall perform an RF communication verification before finalizing the location of the lock to ensure proper signal strength is received from the control panel using PowerG communication: For more info, see [Local diagnostics test](#).

Charging the IQ Lockdown PowerG

The IQ Lockdown PowerG comes with greater than a 30% charge. Before using the IQ Lockdown PowerG, fully charge its battery. It can takes from 6 to 8 hours.

Figure 5: IQ Lockdown PowerG charging



1.

Callout	Description
A	120 VAC USB power adapter
B	Status indicator
C	Electronic control board: inside of shell enclosure, under shelf
D	Reset button (use pin)
E	Charging port
F	USB charging cable
G	Cover
H	Cover screw

To charge the IQ Lockdown PowerG, see [Figure 5](#) and complete the following steps.

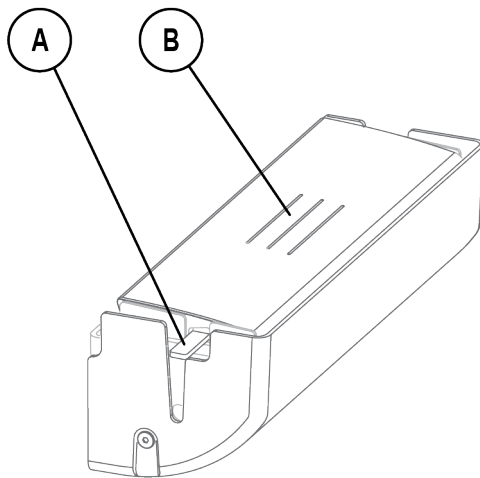
1. Open the IQ Lockdown PowerG cover to access the electronic control board **C**:
 - a. Remove the IQ Lockdown PowerG cover screws **H**
 - b. Remove the IQ Lockdown PowerG cover **G**
2. Push the reset button **D** through the pinhole to wake the IQ Lockdown PowerG from shipping mode.
3. Plug the USB end of included charging cable **F**, into the included power adapter **A**.
4. Plug the charging cable into the charging port **E**.
5. Plug power adapter **A** into a socket.

The status indicator **B** flashes yellow every 2.5 seconds when charging.

Cycling the IQ Lockdown PowerG

- NOTICE:** Cycling the IQ Lockdown PowerG a minimum of ten times before installation ensures that the nylon straps inside the IQ Lockdown PowerG are correctly stretched and calibrated. During shipment parts can settle and this cycling allows the parts to “stretch” and maximize their effectiveness.

Figure 6: Cycling IQ Lockdown PowerG



Callout	Description
A	Hand press
B	Locking gate

To cycle the IQ Lockdown PowerG, see [Figure 6](#) and complete the following steps.

1. Lock the IQ Lockdown PowerG through the hand press **A** and unlock the IQ Lockdown PowerG through the locking gate **B**.
2. Cycling the IQ Lockdown PowerG through the app or the egress button: a minimum of five times ensures the servo motor is correctly engaged and ready for use.

Enrolling the device

Refer to the control panel installation manual for the complete set of enrollment instructions and testing procedures.

To enroll the device, complete the following steps.

1. From the **Installation** menu, enter the **Device enrollment** menu and select the option to add a new device.
 2. Press the Enroll button until the yellow LED light turns on.
 3. If requested, enter the PIN code printed on the device label.
 4. To manually enroll the device:
 - a. Scan the QR Code on the device box, using the IQ4 camera if available, or see step b.
 - b. Manually enter the device ID, printed on the product label, in the format 505-XXXX.
- ❗ **Note:** If the device has been powered up for more than 48 hours it will be identified by the system only after the device has been reset.
5. Select the desired zone.
 6. Configure any device parameters that are required.
 7. Mount and test the device. See [Local diagnostics test](#) for information on testing the device.
 8. After enrollment, cycle the lock via the mobile app or customer site a minimum of five times to ensure proper operation and servo cycling.

Configuring the device options

Enter the **DEVICE SETTINGS** menu and select the required configuration as described in the following table:.

Local diagnostics test

After power-up or closing the cover, the device automatically enters Test Mode for 15 minutes. To manually enter the devices into Test Mode refer to the Control Panel Installer Guide.

1. Before you start the test, remove the device cover from the base.
2. Close the cover to return the tamper switch to its normal position.
3. After 10 seconds the LED blinks three times.

The following table indicates received signal strength indication.

Table 2: Signal strength indication

LED response	Reception
Green LED blinks	Strong
Yellow LED blinks	Good
Red LED blinks	Poor
No blinks	No communication

► **Important:** Reliable reception must be assured. Therefore, poor signal strength is not acceptable. If you receive a poor signal from the device, relocate it and re-test until a strong signal strength is received .

❗ **Note:** It is recommended to have a strong signal strength and you must verify the signal strength using the control panel's diagnostic test. For detailed Diagnostics Test instructions, refer to the control panel installer guide.

Preparation for hardware installation

In order to mount the IQ Lockdown PowerG to a standard 2 inches commercial frame and door you need to check several things.

1. Confirm the door is either an inward swinging or an outward swinging door. This will dictate the bracket that you use.
2. Confirm that the frame is 2 inches or can accept the bracket and configuration.
3. Confirm that the door is either solid core or a metal door that is in good condition.

If the door is determined to not be suitable for this installation, do not proceed.

Connect hardwire accessories

Your lock comes with a wire harness protruding from the control panel.

This wiring harness is used for connecting an accessory to the lock.

For more info on hardwiring accessory, see [Installing hardwire accessories](#).

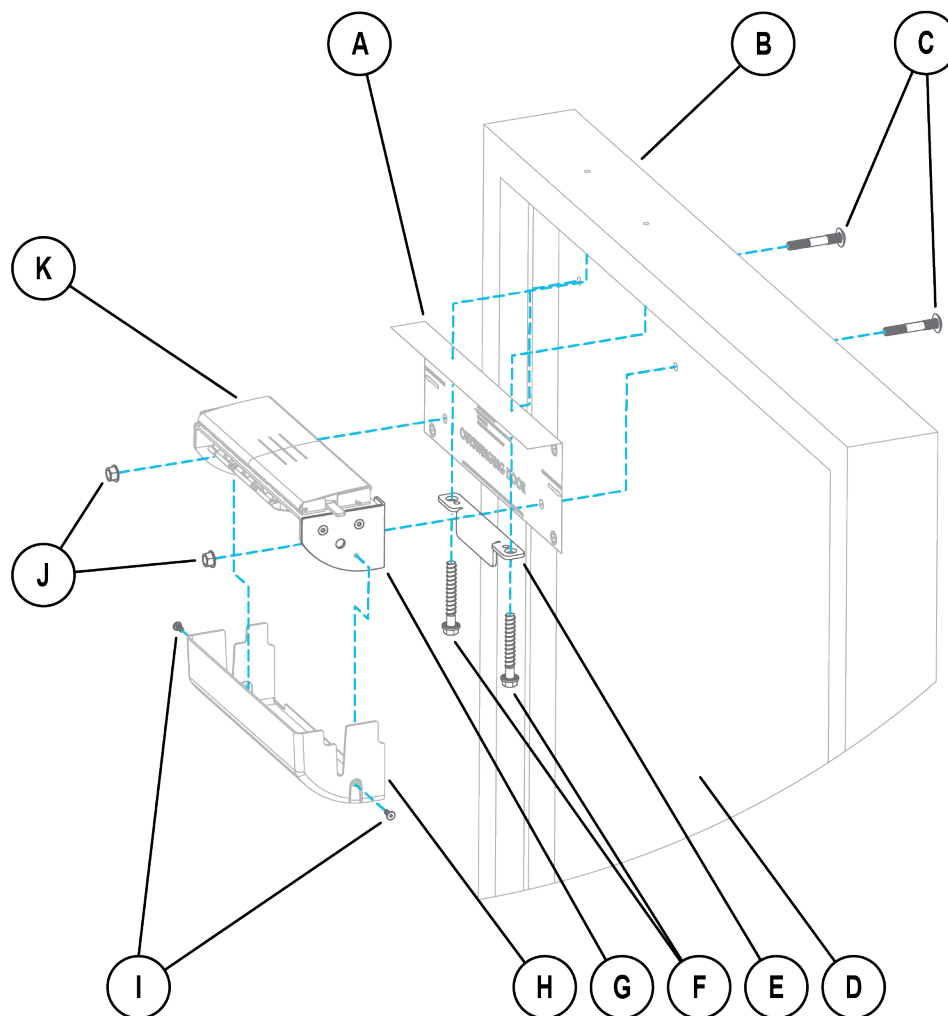
Mounting on outward-swinging door

Note: The IQ Lockdown PowerG system, and supplied latch bracket hardware, are designed to be mounted onto a standard two inches door frame backed with poured concrete. To mount it onto hollow frames, see [Mounting on hollow frame](#).

To mount the IQ Lockdown PowerG on an outward-swinging door, you need of the following tools:

- Masking tape
- Battery pack drill or impact driver
- 3/8 in. diameter x 4 in. x 6 In. multi-purpose drill bit
- 3/8 in. square drive to 1/4 in. hex adapter
- 3/8 in. drive ratchet
- 3/8 in. drive 9/16 in. socket
- 3/8 in. drive 7/16 in. socket

Figure 7: Mounting on an outward-swinging door



Callout	Description	Quantity
A	Drill template	1
B	Door frame	1
C	Carriage bolt, 3/8 in.-16 x 2 1/2 in.	2
D	Door	1
E	Latch	1
F	Tapping screw, 3/8 in. x 3 in.	2
G	Universal mounting bracket	2
H	IQ Lockdown PowerG cover	1
I	IQ Lockdown PowerG cover screws	2
J	Flange nut, 3/8 in.-16 x 5/16 in.	2
K	IQ Lockdown PowerG	1

To mount the IQ Lockdown PowerG on an outward-swinging door, see [Figure 7](#) and complete the following steps.

1. From packaging, remove the cover screws **J** and then remove the IQ Lockdown PowerG's cover **I**.
2. Make sure that universal mounting brackets **G** are with the correct orientation.
3. **Optional.** If universal mounting brackets have wrong orientation, see [Flipping the mounting brackets](#).
4. Fold crease in drill template **A** along indicated line for top of frame stop.
5. Corner drill template **A** with frame stop on door frame **B**, and align with edge.
6. Tape drill template **A** to door frame **B**.
7. Using the 3/8 inches diameter drill bit, drill two blind holes to a 3 inches depth into bottom of frame stop on door frame **B**, for mounting of latch **E**.
8. Using the 3/8 inches drill bit, drill two clearance holes through door **D**, for mounting of IQ Lockdown PowerG **K**.
9. Remove drill template **A** from doorway.
10. Fix latch **E** with two tapping screw **F**, to bottom of frame stop on door frame **B**: Do not tighten screws to final torque.
11. Fix IQ Lockdown PowerG **K** with two carriage bolts **C** and two flange nuts **J**, to door **D**: Do not tighten nuts to final torque.
12. Pair to IQ Lockdown PowerG **K**, and test fitment of IQ Lockdown PowerG with latch **E**.
13. Tighten tapping screws **F** and flange nuts **J**, to final torque.
14. Fit cover **H** to IQ Lockdown PowerG **K**, and tighten screws **I**

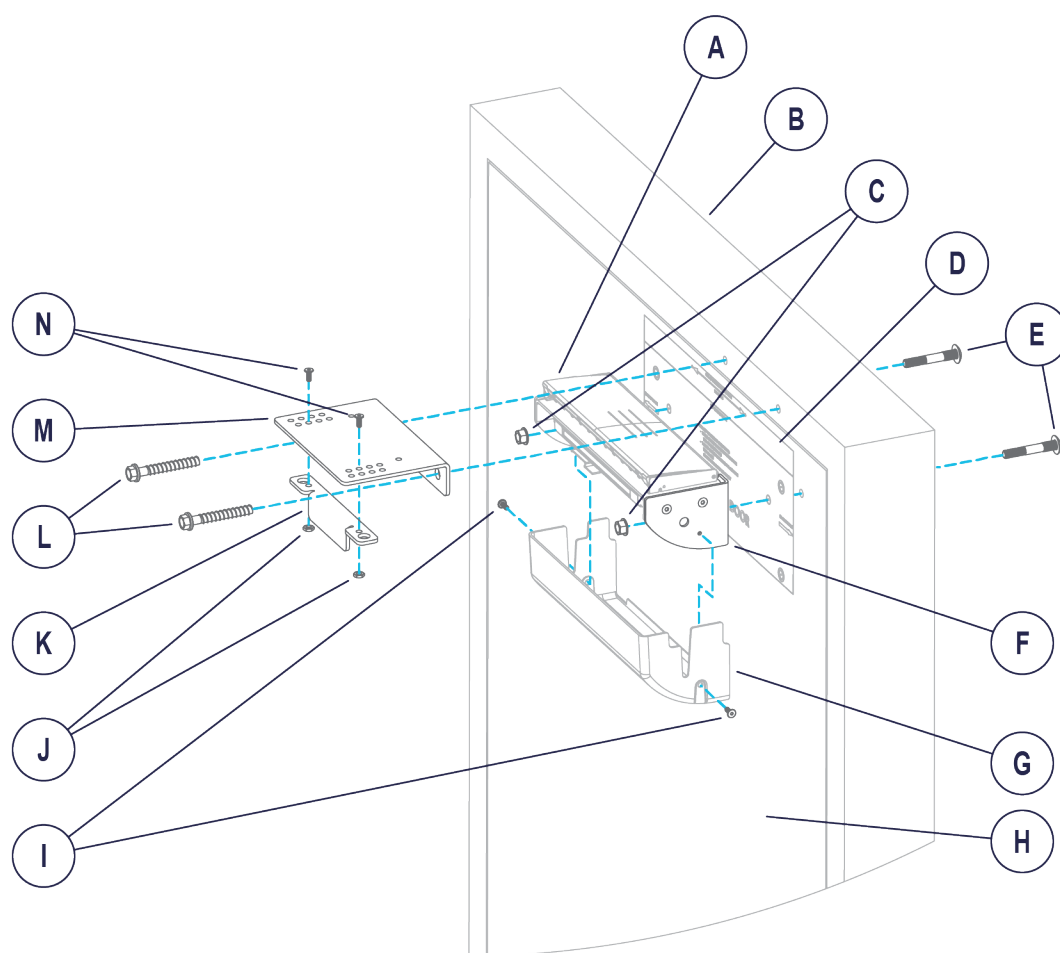
Mounting on inward-swinging door

Note: The IQ Lockdown PowerG, and supplied latch bracket hardware, are designed to be mounted onto a standard two inches door frame backed with poured concrete. To mount it onto hollow frames, see [Mounting on hollow frame](#).

To mount the IQ Lockdown PowerG on an inward-swinging door, you need of the following tools:

- Masking tape
- Battery pack drill or impact driver
- 3/8 in. diameter x 4 in. x 6 In. multi-purpose drill bit
- 3/8 in. square drive to 1/4 in. hex adapter
- 3/8 in. drive ratchet
- 3/8 in. drive 9/16 in. socket
- 3/8 in. drive 7/16 in. socket

Figure 8: Mounting on an inward-swinging door



Callout	Description	Quantity
A	IQ Lockdown PowerG	1
D	Door frame	1
C	Flange nut, 3/8 in.-16 x 5/16 in.	2

Callout	Description	Quantity
D	Drill template	1
E	Carriage bolt, 3/8 in.-16 x 2 1/2 in.	2
F	Universal mounting bracket	2
G	IQ Lockdown PowerG cover	1
H	Door	1
I	IQ Lockdown PowerG cover screws	2
J	Thin hex nut, 1/4 in.-20 x 1/8 in.	2
K	Latch	1
L	Tapping screw, 3/8 in. x 3 in.	2
M	Latch bracket	1
N	Low head screw, 1/4 in.-20 x 5/8 in.	2

To mount the IQ Lockdown PowerG on an inward-swinging door, see [Figure 8](#) and complete the following steps.

1. From packaging, remove the cover screws **I** and then remove the IQ Lockdown PowerG's cover **G**.
2. Make sure that universal mounting brackets **F** are with the correct orientation.
3. **Optional.** If universal mounting brackets have wrong orientation, see [Flipping the mounting brackets](#).
4. Align drill template **D** with inner edge of door frame **B**.
5. Tape drill template **D** to door frame **B**.
6. Using the 3/8 inches diameter drill bit, drill two blind holes to a 3 inches depth into door frame **B**, for mounting of latch bracket **M**.
7. Using the 3/8 inches drill bit, drill two clearance holes through door **H**, for mounting of IQ Lockdown PowerG **A**.
8. Remove drill template **D** from doorway.
9. Fix latch bracket **M** with two tapping screws **L**, to door frame **B**: Do not tighten anchors to final torque.
10. Fix IQ Lockdown PowerG **A**, with two carriage bolts **E** and two flange nuts **C**, to door **H**: Do not tighten nuts to final torque.
11. By means of low head screws **N** and thin hex nuts **J**, fix latch **K** to latch bracket **M** in the best position to pair with IQ Lockdown PowerG **A**.
12. Tighten tapping screws **L** and flange nuts **C**, to final torque.
13. Fit cover **G** to IQ Lockdown PowerG **A**, and tighten screws **I**.

Mounting on hollow frame

The IQ Lockdown PowerG, and supplied latch bracket hardware, are designed to be installed onto a standard two inches door frame backed with poured concrete.

To install it onto hollow frames, use the hollow door frame hardware kit: To get the hollow door frame hardware kit, contact your dealer.

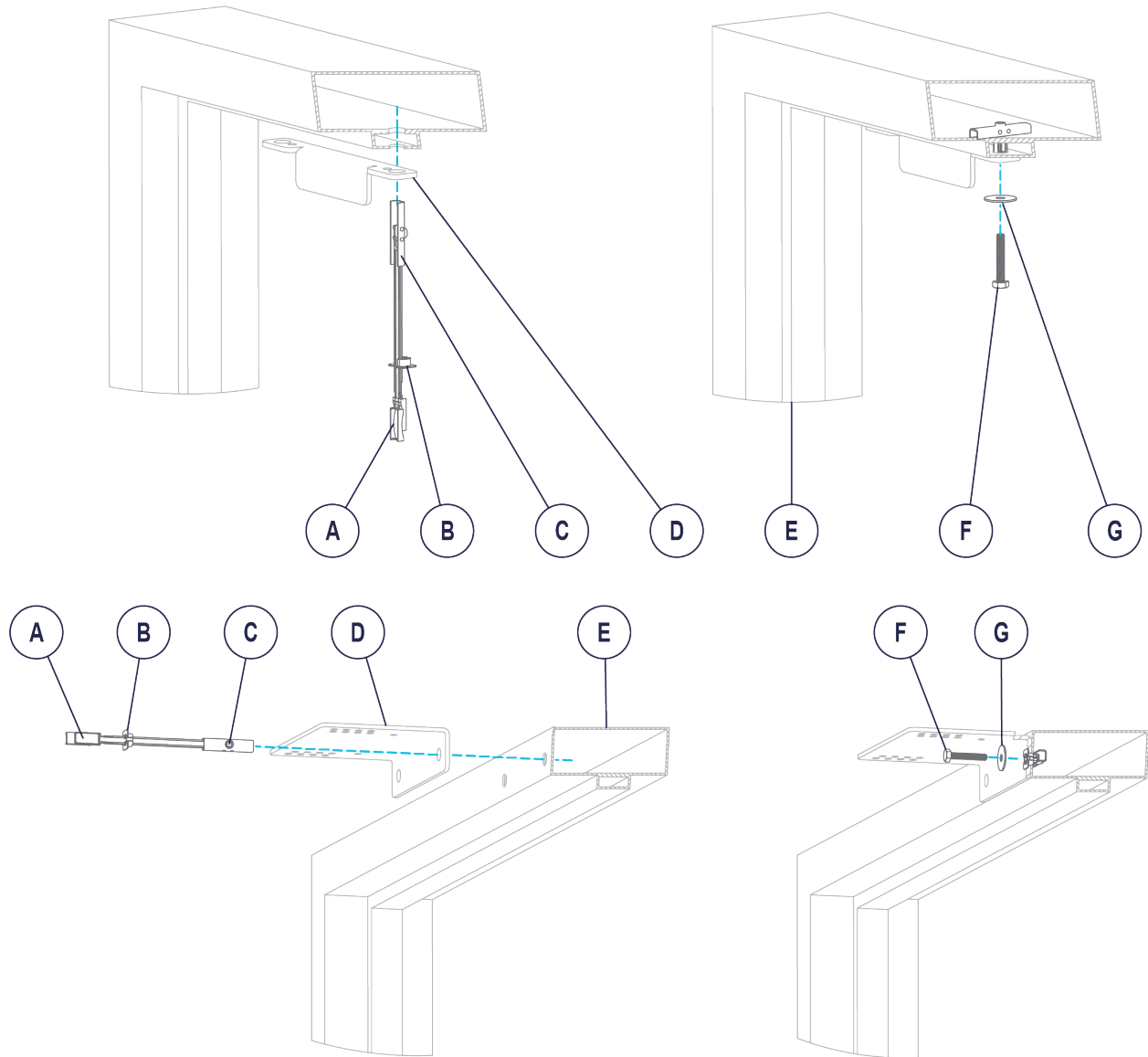
The hollow door frame hardware kit includes the following items:

- Two 1/4 in. heavy duty flip toggle anchors
- Two 1/4 in. x 1.5 in. hex head bolts
- Two 1/4 in. fender washers

To mount the IQ Lockdown PowerG on hollow frames, you need of the following tools:

- Drill with 1/2 steel bit 7/16 socket

Figure 9: Mounting on hollow frame



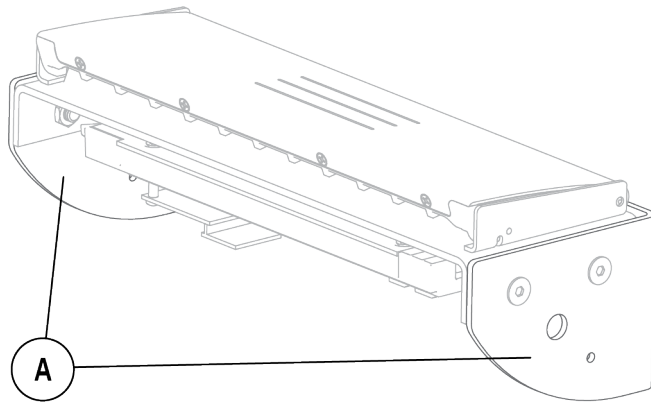
- | Callout | Description |
|---------|---------------------------------|
| A | Plastic straps |
| B | Plastic collar |
| C | Heavy duty flip toggle anchor |
| D | Latch or latch bracket |
| E | Hollow frame |
| F | 1/4 in. fender washer |
| G | 1/4 in. x 1.5 in. hex head bolt |

To mount the IQ Lockdown PowerG on hollow frames, see [Figure 9](#) and complete the following steps.

1. Follow the instructions in [Mounting on outward-swinging door](#) or [Mounting on inward-swinging door](#).
2. For mounting of latch or latch bracket, instead of drilling a 3/8 inches pilot hole, drill a 1/2 inch hole.
3. Feed the flip toggle anchor **C** through the latch or latch bracket **D** first, then through the hole in the frame **E**, one side at a time.
4. Be sure that the IQ Lockdown PowerG bracket is lined up as described in [Mounting on outward-swinging door](#) and [Mounting on inward-swinging door](#).
5. Cinch down plastic collar **B** and snap off the plastic straps **A**.
6. Place fender washer **F** and then tighten bolt **G**.

Flipping the mounting brackets

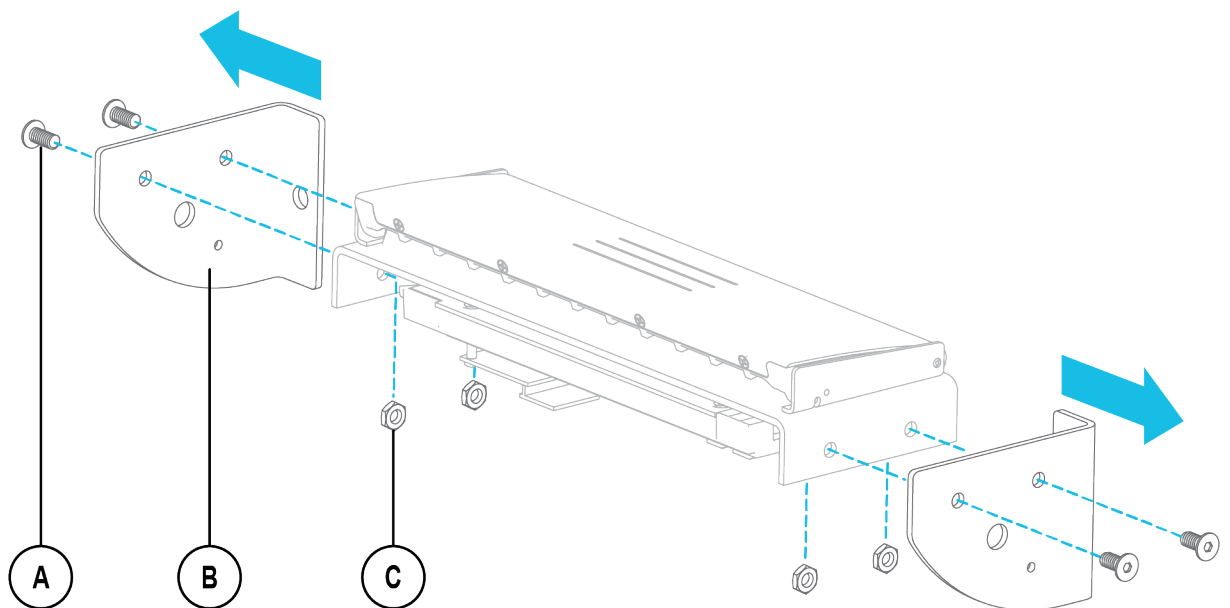
Default orientation of universal mounting brackets **A** looks like in the following figure.



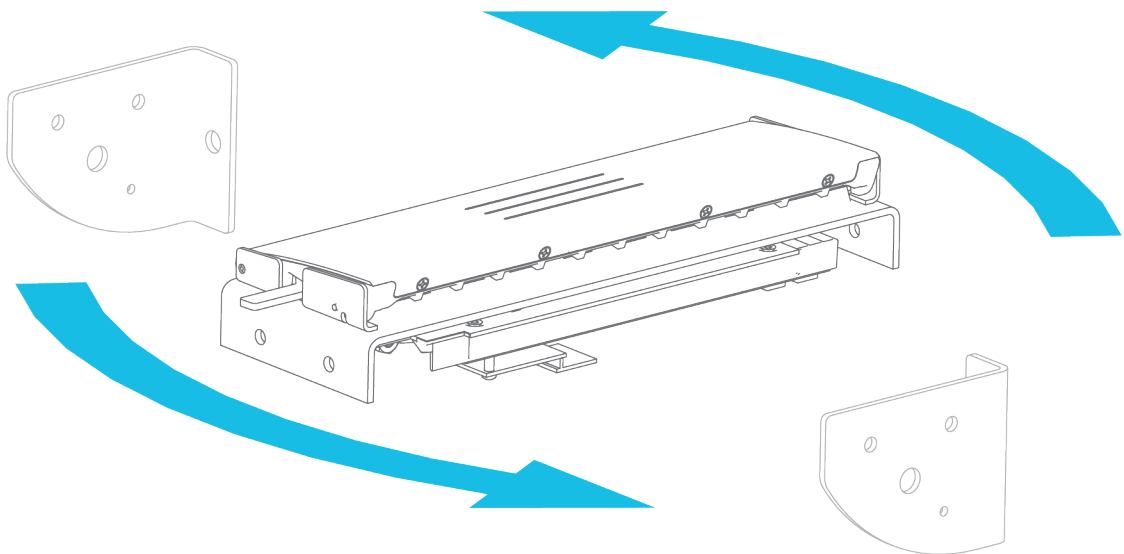
The above orientation is for mounting IQ Lockdown PowerG on inward swinging doors.

To mount the IQ Lockdown PowerG on outward swinging doors, complete following steps.

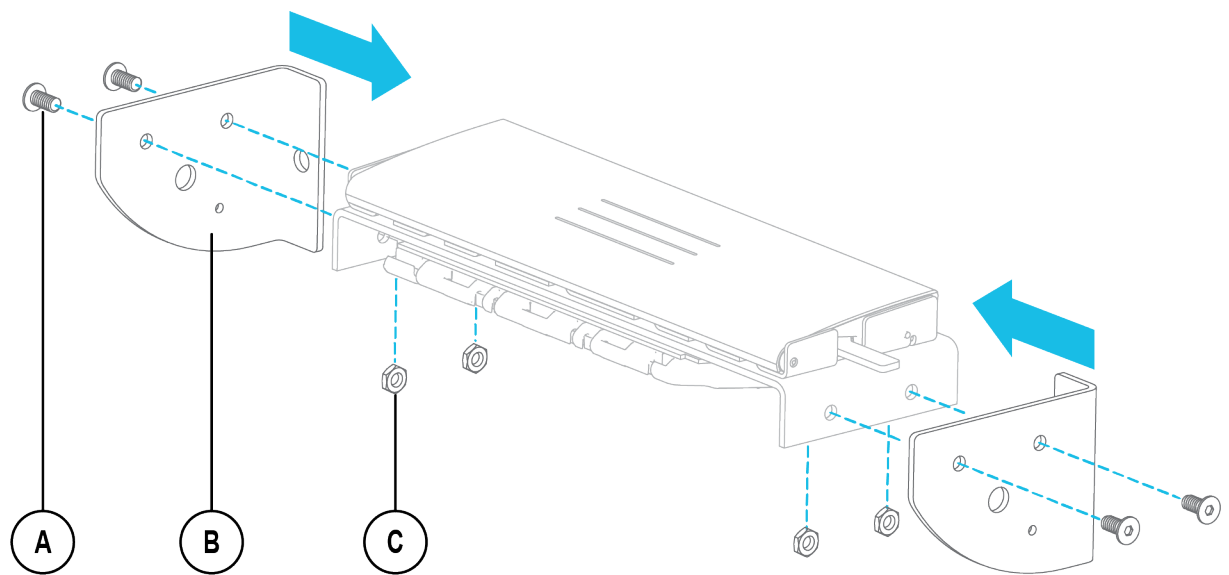
1. Remove bolts **A** and nuts **C** to separate mounting brackets **B** from IQ Lockdown PowerG.



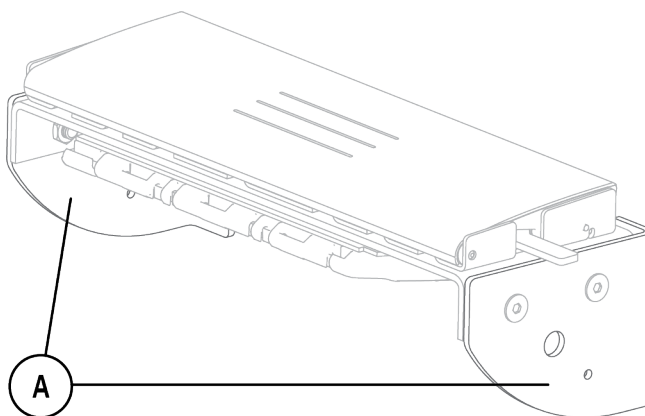
2. Flip lockdown unit 180 degrees.



3. Refit universal mounting brackets **B** through bolts **A** and nuts **C**.



4. For mounting IQ Lockdown PowerG on outward swinging doors, make sure that orientation of universal mounting brackets **A** looks like in the following figure.



If universal mounting brackets looks like in above figure and you need to mount the IQ Lockdown PowerG on inward swinging doors, complete the above steps in reverse order.

Installing hardwire accessories

IQ Lockdown PowerG is equipped with optional wired control capability to support accessories, such as egress, emergency lock (panic), motion sense and others. The IQ Lockdown PowerG includes a pre-wired green egress button that you can replace with other commercially available peripherals. The wiring harness contains five wires, as outlined in the following table.

Wire color	Wire name	Description
Brown	Lock	Short this wire to Ground/Common wire to toggle the unit to the locked position
White	Unlock	Short this wire to Ground/Common wire to toggle the unit to the unlocked position
Blue	Ground/ Common	Momentarily connect to lock or unlock for wired control
Black	Ground/ Common	Momentarily connect to lock or unlock for wired control. ① Note: Two conductors are provided for installation convenience of multiple accessories.
Gray	+3.3 V	Power line connected to the 3.3 V regulator in the lock. ① Note: In battery operation, it is recommended to only use IQ Lockdown PowerG-approved accessories. In hard-wired power applications, it is less important to ensure a tight power budget for accessories.

- ① **Note:** Be careful to ensure the **+3.3 V** wire can never be shorted to **Ground/Common** wires as this significantly affects battery life.
- ① **Note:** If **Lock** or **Unlock** wire is unused, connect the unused wire to **Ground/Common** wire to stabilize the unused floating input.

Lock and **Unlock** control inputs are designed for passive normally-open momentary-closed switches.

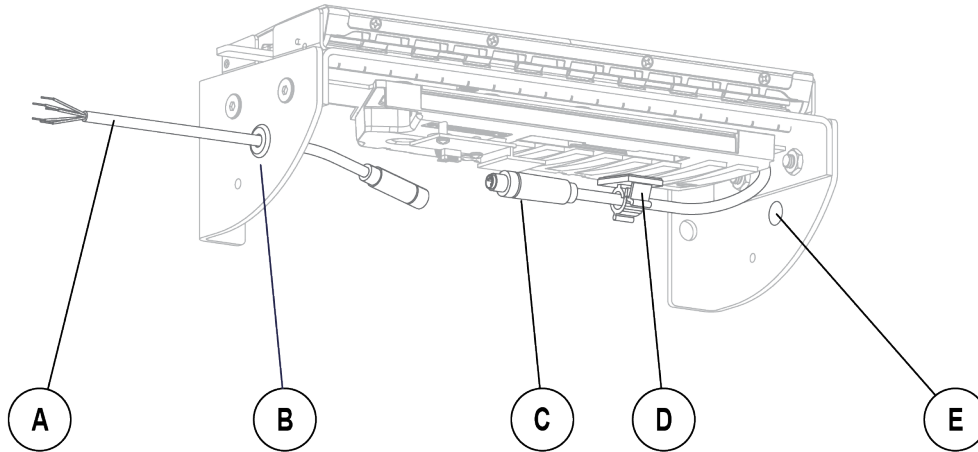
Switch these control inputs to **Ground/Common** wire to control the lock state: The lock responds on the leading edge of the connection.

Possible accessories for this application include a panic button, egress button, and motion sensor.

Instructions for wiring each device is further detailed in that accessory manual.

It is possible to include your own wall switches and accessories, but contact support to ensure compatibility.

Figure 10: Hardwire accessory installation



Callout	Description
A	Wiring harness to accessory
B	Cable through hole and grommet: Exit ability on both sides of IQ Lockdown PowerG
C	Accessory attachment connector
D	Strain relief
E	Cable through hole

To install hardware accessory, see figure [Figure 10](#) and complete the following steps.

1. Remove IQ Lockdown PowerG cover to access the inside of the unit.
2. Use strain relief **D** to secure the female side of the wiring harness and connector **A**: The location in the figure is an example; choose the best location that fits with the installation requirements.
3. Install the grommet **B** into one of the holes in the enclosure on the left or right side of the unit.
 - ❗ **Note:** The backside of IQ Lockdown PowerG against the door is open-faced so, it is possible to run wire into and through the door, if supported, for a clean installation.
4. Thread the wiring harness **A** through your installed grommet before any accessory connection.
5. Use proper conduit and flex joints across the door hinges to securely route the wire to your accessory mounting location.
6. Strip the necessary wires of the harness according to the wiring diagram of the accessory.
7. Connect the accessory to the proper wires, ensuring a strong connection.
8. Install strain relief inside the accessory as needed.
9. Double check your wiring harness from inside the unit to the accessory.
10. After all other connections have been made, complete the connection at connector **C** by pushing together the keyed connector and screwing down the threaded lock-nut for a solid mechanical connection.
11. Test all accessories.
12. Replace the IQ Lockdown PowerG cover.

If you need to lengthen the wiring harness, consider the following options.

- Cut the wiring harness **A** to a few inches past the male connector **C** and splice in your own wiring cables inside the lockdown unit. There is room for an approved electrical terminal block or small enclosure, if necessary.

- ① **Note:** Do not cut the female side of the wiring harness before the connector **C**. This ensures that you have the option to update the wiring harness in the future by replacing the male side of the harness **A**.
- Wire the harness **A** out of the lockdown enclosure as normal. Splice your own cable inside your own electrical box or inside one of the accessories, which often have room enough for wire splicing.

IQ Lockdown PowerG operation

This product can operate with the following PowerG control panels:

- IQ4 v4.3 and higher
- IQPro
- IQ4 NS

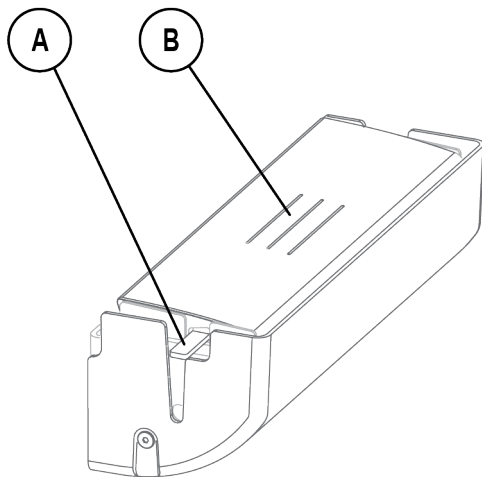
For the description of the IQ Lockdown PowerG operations see the following topics:

- [Manually lock and unlock](#)
- [Unlocking through egress button](#)
- [Locking and unlocking through PowerG keyfob](#)
- [Locking and unlocking through the control panel](#)
- [Locking and unlocking through ADC app](#)
- [Unlock on smoke, CO or heat alarm](#)
- [Unlock in the event of loss of power](#)
- [Reset](#)
- [Factory reset](#)
- [Sleep mode](#)
- [Battery status](#)
- [Quick test mode](#)
- [Impact detection](#)

For further information of IQ Lockdown PowerG operation with a specific control panel, refer to the control panel instructions.

Manually lock and unlock

Figure 11: Manually lock and unlock



Callout	Description
A	Hand press
B	Locking gate

To manually lock and unlock the IQ Lockdown PowerG, see [Figure 11](#) and complete the following steps.

1. To manually lock the IQ Lockdown PowerG, push the hand press **A**.
IQ Lockdown PowerG sends the **Manual lock operation** notification to the control panel.
2. To manually unlock the IQ Lockdown PowerG, push the locking gate **B**.
IQ Lockdown PowerG sends the **Manual unlock operation** notification to the control panel.

Unlocking through egress button

To unlock the IQ Lockdown PowerG through the egress button, complete the following step.

1. Press the the egress button.
The IQ Lockdown PowerG sends the **RF unlock operation** notification to the control panel.

Locking and unlocking through PowerG keyfob

Note: The PowerG keyfob is an optional item.

Figure 12: Locking and unlocking through PowerG keyfob



Callout	Description
A	Disarm button
B	Arm button

To lock and unlock the IQ Lockdown PowerG through PowerG keyfob, see [Figure 12](#) and complete the following steps.

1. Enroll the PowerG keyfob on the control panel.
2. Associate the PowerG keyfob with required IQ Lockdown PowerG units.
Note: You can associate one or more IQ Lockdown PowerG units to a keyfob.
 - a. Press the Arm button to lock the IQ Lockdown PowerG units associated with the keyfob.
The IQ Lockdown PowerG sends the **RF lock operation** notification to the control panel.
 - b. Press the Disarm button to unlock the IQ Lockdown PowerG units associated with the keyfob.
The IQ Lockdown PowerG sends the **RF unlock operation** notification to the control panel.

Locking and unlocking through the control panel

You can lock and unlock one or all IQ Lockdown PowerG units through the panel.

- When you arm away the control panel, the IQ Lockdown PowerG units lock.
- When you disarm the control panel, the IQ Lockdown PowerG units unlock.

Locking and unlocking through ADC app

You can lock and unlock one or all IQ Lockdowns through the ADC app.

Unlock on smoke, CO or heat alarm

In the event of smoke, CO or heat alarm, all IQ Lockdown PowerG units unlock.

When this event occurs, the control panel sends a notification to the monitoring station and the ADC app.

Note: You have to enable this feature. For more info, see ???

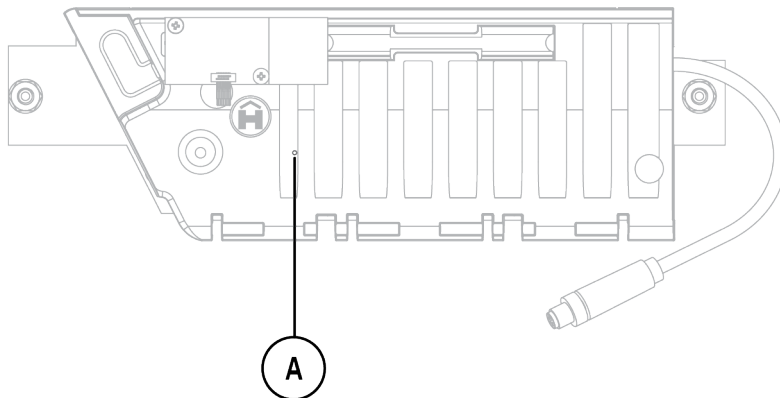
Unlock in the event of loss of power

In the event of loss of power and low battery at the control panel, all IQ Lockdown PowerG units unlock.

When this event occurs, the control panel sends a notification to the monitoring station.

Reset

Figure 13: IQ Lockdown PowerG reset



Callout	Description
A	Reset button. To press this button, use a paperclip or similar object.

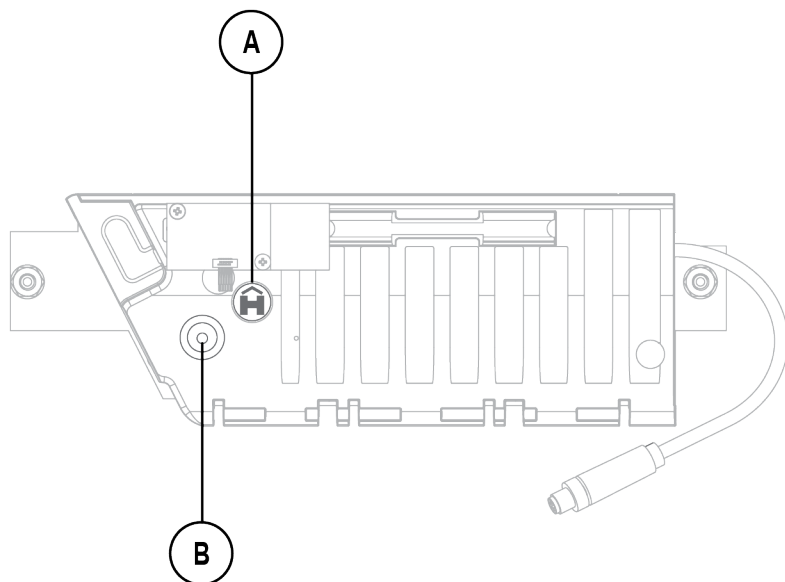
To reset the IQ Lockdown PowerG, see [Figure 13](#) and complete the following step.

1. Press the **Reset** button **A**.

Factory reset

- ❗ **Note:** Use this procedure when the PowerG control panel is missing or otherwise inoperable. This operation also remove the IQ Lockdown PowerG from the control panel.

Figure 14: IQ Lockdown PowerG factory reset



Callout	Description
A	Status LED
B	Enrolling button

To perform the IQ Lockdown PowerG factory reset, see [Figure 14](#) and complete the following step.

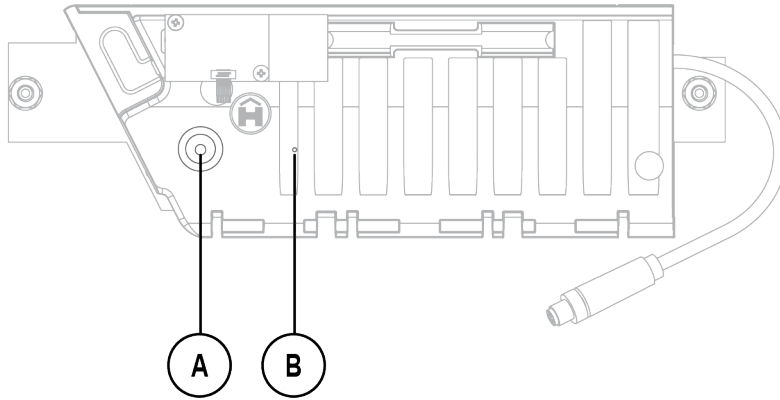
1. Press and hold the **Enrolling** button for about 8 seconds, until the **Status** LED turns red, and then release it.
Factory reset completes in about 5 seconds, and then IQ Lockdown PowerG restarts.

Sleep mode

You can put the IQ Lockdown PowerG into sleep mode for shipping or long term storage.

- ❗ **Note:** This mode clears memory and remove the IQ Lockdown PowerG from the PowerG control panel. You need to re-enroll the device when woken up.

Figure 15: IQ Lockdown PowerG buttons



Callout	Description
A	Enroll button
B	Reset button. To press this button, use a paperclip or similar object.
C	Control panel, inside of shell enclosure, under shelf

To put the IQ Lockdown PowerG into Sleep Mode, see [Figure 15](#) and complete the following steps.

1. Press and hold the **Reset** button. To press this button, use a paperclip or similar object.
2. While holding the **Reset** button press and hold the **Enrolling** button.
3. Release the **Reset** button first, then release the **Enrolling** button.
If successful, you can press the **Enrolling** button or toggle the gate and should not see or hear, LED or chirp activity.
4. To wake up the IQ Lockdown PowerG from Sleep Mode, press the **Reset** button.

Battery status

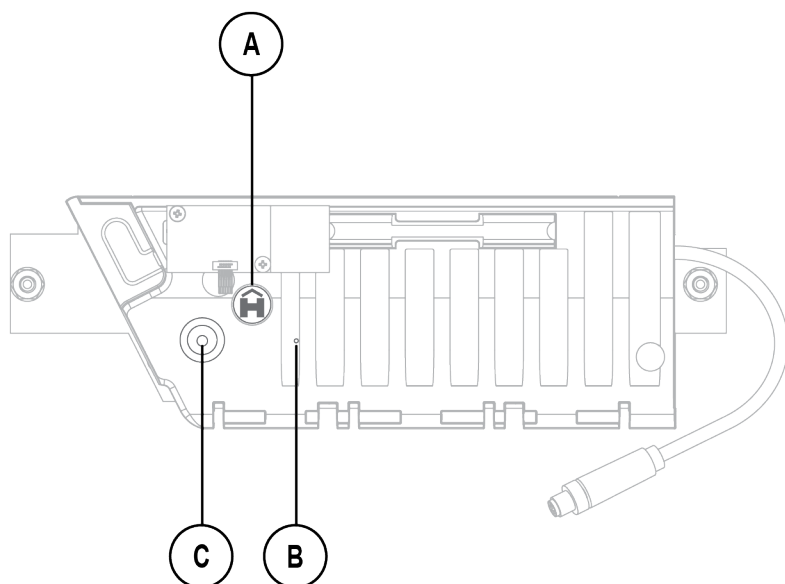
When you start up the IQ Lockdown PowerG it checks the status of its battery, and sends a battery report to the control panel. Then the IQ Lockdown PowerG checks battery status every five minutes and sends the battery report every 24 hours, unless one of the following events occur.

- If battery falls below 25%, the IQ Lockdown PowerG sends a battery report to the control panel and, one second later, sends the notification **Low battery**.
- If battery falls below 10%, the IQ Lockdown PowerG sends a battery report to the control panel and, one second later, sends the notification **Low battery**. At this point you cannot longer raise the gate but you can still lower it.
- When you plug the charger in, the IQ Lockdown PowerG sends a battery report to the control panel and, one second later, sends the notification **Battery is charging**. Yellow LED flashes every 2.5 seconds.
- When charge is complete, the IQ Lockdown PowerG sends a battery report to the control panel and, one second later, sends the notification **Battery is fully charged**.

Quick test mode

Use the Quick Test Mode to check proper operation of the IQ Lockdown PowerG.

Figure 16: Quick test mode



Callout	Description
A	Status LED
B	Reset button
C	Enroll button

To perform the quick test, see [Figure 16](#) and complete the following steps.

1. Press the **Enroll** button three times in steady succession.
 - a. The **Status** LED flashes blue and green and the unit chirps
 - b. Then the **Status** LED starts flashing blue, indicating that the IQ Lockdown PowerG is in Quick Test Mode
2. Once in Quick Test Mode mode, press the **Enroll** button to control the gate.

❗ **Note:** Avoid toggling the gate any faster than once every four seconds.
3. To exit from the Quick Test Mode, press **Reset** button. To press this button, use a paperclip or similar object.

The IQ Lockdown PowerG exits from the Quick Test Mode after one minute.

Impact detection

The impact detection function uses an accelerometer that is tuned using the options **Transient Debounce** and **Transient Threshold**: For more info, see ???

When the gate is up and you exceed the **Transient Threshold**, the IQ Lockdown PowerG sends the notification **Impact Detected** to the control panel.

In addition, the IQ Lockdown PowerG sends a **Door Lock Operation Report** and **Access Control Notification** to communicate locked status.

General notes on IQ Lockdown PowerG

Layered security

The IQ Lockdown PowerG is a layered security device. We advise customers to use IQ Lockdown PowerG as a supplemental layer in their security. Relying on a single device or component will lessen the security of your school or business. IQ Lockdown PowerG should be part of a larger security system. It is not a total solution. We suggest using video cameras, motion sensors, alarm monitoring, and vibration sensors.

Personal security

IQ Lockdown PowerG only works as well as its user. Taking personal responsibility for your own safety is very important to make IQ Lockdown PowerG work for you. Our product can't prevent you from sending a guest pass to the wrong person. IQ Lockdown PowerG can't prevent your phone from being stolen and cannot keep your password secure. Being proactive and responsible is the best way to protect you and your facility.

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Troubleshooting

Below are some common issues you might encounter while installing or operating IQ Lockdown PowerG. If you do not see your issue below, or the suggested remedies do not work, refer to <https://qolsys.com/iq-lockdown>.

Issue	Remedy
IQ Lockdown PowerG does not fit my door or is not compatible with my frame.	Visit our detailed installation guide at https://qolsys.com/iq-lockdown that walks you through various scenarios involving uncommon door situations. In most cases this fixes the situation, but if you still need help, contact support.
IQ Lockdown PowerG does not turn on or no indication of power.	1. Try resetting the device with the pin hole reset button. This action also generates a LED flash and beep. 2. Make sure you have fully charged the unit. 3. Toggle the gate manually. You should see a LED flash and hear a beep.
The unit fails to lock or unlock.	The nylon straps nearest the servo motor could be kinked up in the unit, or one strap could be too tight and need to be loosened. 1. Manually open the locking gate and pull/tug on the open gate to stretch or flex the nylon straps. 2. Take off the unit cover and pull the straps with your fingers. This usually evens out the nylon and allows the servo motor to reach its locked position. 3. Make sure the nylon strap is not bunched up within the unit. The screw closest to the servo motor, on the left side of the unit when it is facing the door, is overtightened. If the unit bows in the wingtips, it is a good indication you over tighten the IQ Lockdown PowerG.
How do I turn IQ Lockdown PowerG off?	IQ Lockdown PowerG is designed to be “always on” so that it is ready to receive commands from your PowerG control panel. It automatically uses sleep and low-power modes to achieve long built-in battery life.

Issue	Remedy
I can't get the thumb press to work.	The thumb press is designed to be pressed by an adult to prevent false locking by children. Pulling straight down on the thumb press will activate the locking gate.
I need to reset my IQ Lockdown PowerG. Can I perform a factory reset?	To perform factory reset, see Factory reset .

Important safeguards



Charge low batteries immediately. Long life internal rechargeable LiPo battery. Main battery lasts up to 2 years on a single charge under normal use. Charge via USB cable.



Protect your password. You are responsible for your own security. IQ Lockdown PowerG is not a replacement for personal responsibility. Do not share your password with anyone you do not trust or know well. To be safe, do not share it with anyone.



Make sure to turn on notifications in your IQ Lockdown PowerG controller app as well as your smartphone settings. This helps you keep track of any changes that occur to your IQ Lockdown PowerG.

Specifications

Table 3: Specifications

Frequency Band	915 MHz
Modulation	GFSK
Antenna	Built-in inverted-F antenna
Communication Protocol	PowerG
Supervision	Signaling at 256 s intervals
Battery type	3.7 V 5200 mAh single cell Lithium-Ion or Lithium Polymer non-removable rechargeable battery
Battery Life	2 years with typical use at room temperature 25°C (77°F)
Low Battery Threshold	2 V at room temperature 25°C (77°F) ???
Nominal operating voltage	5 V
Operating Temperature	-10°C (14°F) to 55°C (131°F) ???
Storage Temperature	-20°C to 70°C (-4°F to 158°F) ???
Relative Humidity (RH)	Up to 95% non-condensing
Dimensions (LxHxD)	322 mm x 105 mm x 111 mm (12.67 in. x 4.11 in. x 4.37 in.)
Weight (including battery)	??? g (??? oz)
Color	Grey

Compliance with standards

IQ Lockdown PowerG complies with the following standards:

Model: IQ LOCKDOWN PG	FCC (912 to 919 MHz): 47CFR part 15.247 ISED Canada (912 to 919 MHz): RSS-247 UL/ULC: UL 294, UL 60950-1, CAN/CSA C22.2 No. 60950-1-07
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UL/ULC notes

SGS has evaluated and certified this product for safety under UL 294, UL 60950-1, CAN/CSA C22.2 No. 60950-1-07, as a commercial locking device. Utilize SGS reference number 800596 and SGSNA/22/SUW/00044X for additional information related to this standard.

FCC and ISED Compliance Statement

This device complies with FCC Rules Part 15 license-exempt standard(s). Operation is subject to two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference that may be received or that may cause undesired operation.

Le présent appareil est conforme aux CNR d'ISED Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radio électrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Note: The digital circuit of this device 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.

This Class B digital apparatus complies with Canadian ICES-003.

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

WARNING: Changes or modifications to this equipment not expressly approved by the party responsible for compliance (Visonic Ltd.) could void the user's authority to operate the equipment.

To comply with FCC RF exposure compliance requirements, the device should be located at a distance of at least 20 cm from all persons during normal operation. The antennas used for this product must not be co-located or operated in conjunction with any other antenna or transmitter.

Le dispositif doit être placé à une distance d'au moins 20 cm à partir de toutes les personnes au cours de son fonctionnement normal. Les antennes utilisées pour ce produit ne doivent pas être situées ou exploitées conjointement avec une autre antenne ou transmetteur.

WEEE Product recycling declaration



For information regarding the recycling of this product you must contact the company from which you originally purchased it. If you are discarding this product and not returning it for repair then you must ensure that it is returned as identified by your supplier. This product is not to be thrown away with everyday waste. Directive 2012/19/EU Waste Electrical and Electronic Equipment.

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Website: www.dsc.com

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