

⚠ DANGER

Make sure that the power source has been locked out and tagged according to OSHA regulations and approved local electrical codes.

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Unless the dock leveler is equipped with a tethered remote, two people are required to engage the maintenance prop: one person to operate the unit, the other person to engage the maintenance prop.

In addition, it is recommended and good safety practice to use an additional means to support the dock platform and lip anytime when physically working in front of or under the dock leveler. This additional means may include, but is not limited to a boom truck, fork truck, stabilizing bar or equivalent.

⚠ CAUTION

All electrical work — including the installation of the disconnect panel, control panel, and optional sensors — must be performed by a certified electrician and conform to all local and applicable national codes.

7155-0010 - Door Open Sensor Installation

Door position sensors are used to signal the position of the door to the iDock controller. This information can be used for interlocking and sequence of operation, and also to provide analytics for myQ Dock management subscribers.

The door open sensor mounts near the top of the door to confirm the door is in the open position. Each kit includes the sensor, cable and adjustable mounting bracket.

Note: Mounting hardware is supplied by others.

7155-0010 Installation Instructions

1. Determine a suitable mounting location for the door open sensor and bracket (D), according to Figure 1.
2. Locate the bracket and door sensor (D) on the same side of the door opening as the iDock controller (C), to ensure sufficient cable length to reach iDock.
3. Hardware to mount the sensor bracket to the wall is supplied by others.

Note: Do not mount sensor to door track (B). The door track can change position as the door operates. This can affect sensor accuracy.

4. Position the bracket so that it is plumb and level. Ensure that the bracket will clear the door track and also position the sensor below the bottom of the door (A) when it is fully open only. See Figure 2.
5. Mount the door open sensor (J) into the bracket (H), using the included plastic nuts. See Figure 3.
6. Adjust the bracket and sensor to provide 3" of clearance from the face of the sensor to the overhead door panel or roll up door.

Electrical Connections

1. Attach cable (M) to the sensor (J).
2. Secure the sensor cable following all applicable local and national codes. See suggested J-Box placement (E) near the sensor(s). Reference Figure 1.
3. Terminate the cable in the iDock controller (C) with the following connections:

- Brown wire connects to terminal block #20
- Blue wire connects to terminal block #21
- White wire:
 - Small terminal board - Terminal #29
 - Large terminal board - Terminal #51.
- Black wire - not connected.

Note: Removal of factory installed yellow jumper wire in the iDock, may be required to install signal wire from door open sensor.

4. Continue to Testing Operation instructions on page 2.

Instructions continued on page 2.

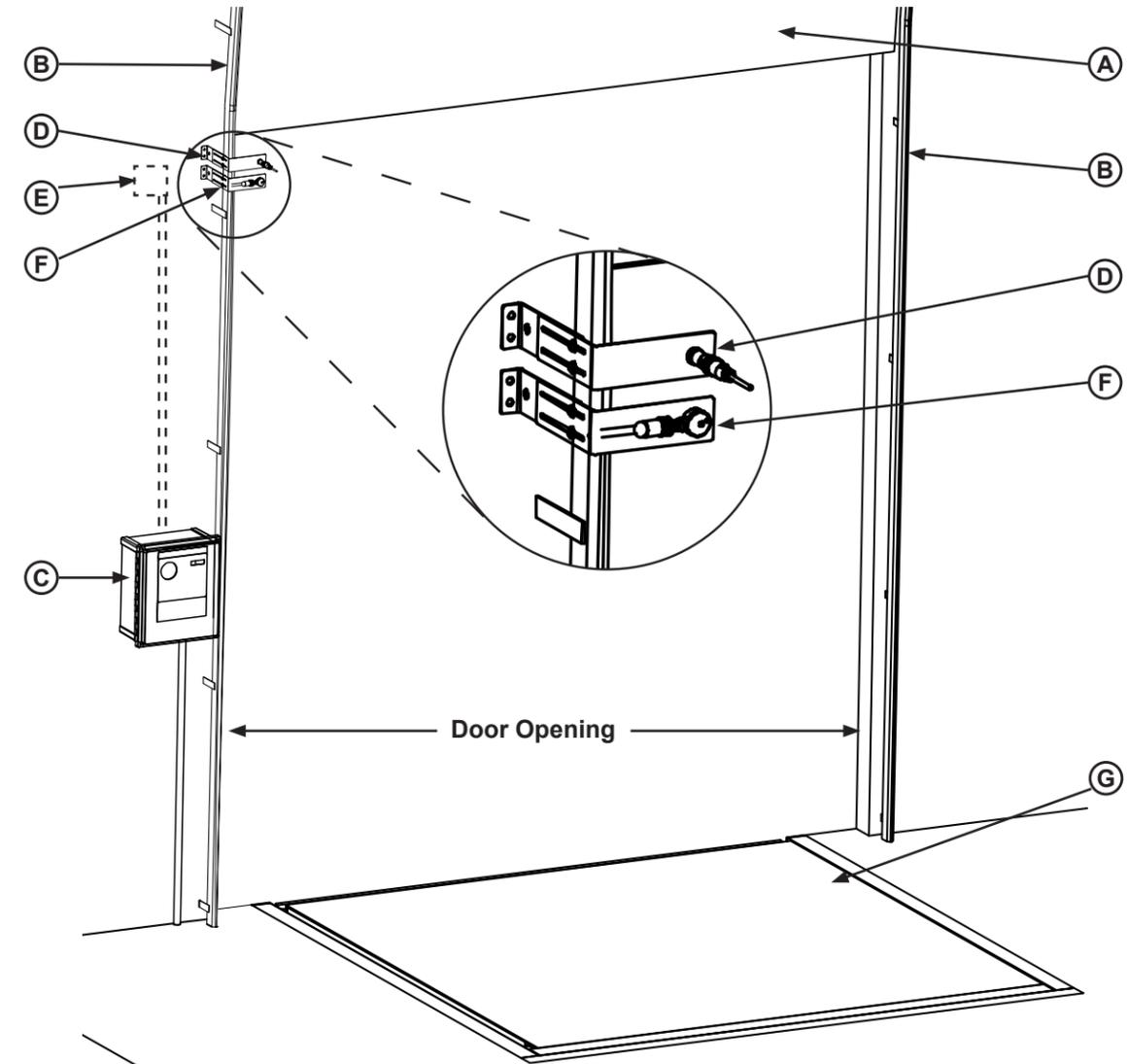


Figure 1

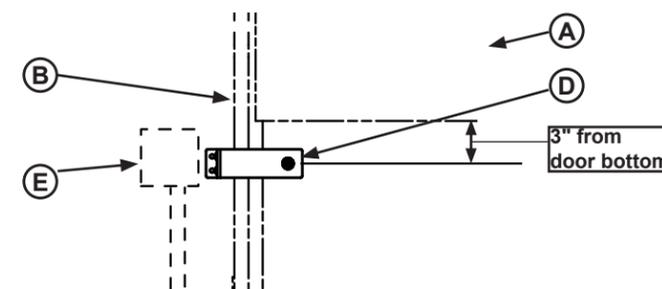


Figure 2

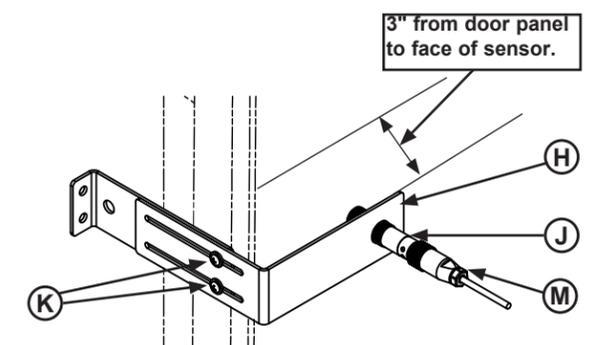


Figure 3

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|------------------------|--------------------------------------|----------------|----------------------|
| A—Overhead Door (Open) | D—Door Open Sensor Kit (7155-0010) | G—Dock Leveler | K—Adjusting Hardware |
| B—Door Track | E—Suggested J-Box Location | H—Bracket | M—Sensor Cable |
| C—iDock Controller | F—Door Closed Sensor Kit (7155-0011) | J—Sensor | |

Door Open Sensor Installation (Continued)

7155-0010 - Testing Operation

- After the sensor has been mounted and the electrical connections have been made, remove the lock out tag outs and safely energize the equipment.
- With the door in the *Closed* position, the terminal board in the iDock controller should display the following:
 - Small Terminal Board: DC Input #3 OFF (Figure 4)
 - Large Terminal Board: DC Input #8 OFF (Figure 5)
- With the door in the *Open* position, the terminal board in the iDock controller should display the following:
 - Small Terminal Board: DC Input #3 ON (Figure 4)
 - Large Terminal Board: DC Input #8 ON (Figure 5)
- If the equipment is operating correctly, based on steps 1-3 above, then the installation is complete. If you require further assistance with the installation, contact Systems Technical Services.

Small Terminal Board - Door Open Sensor Operation

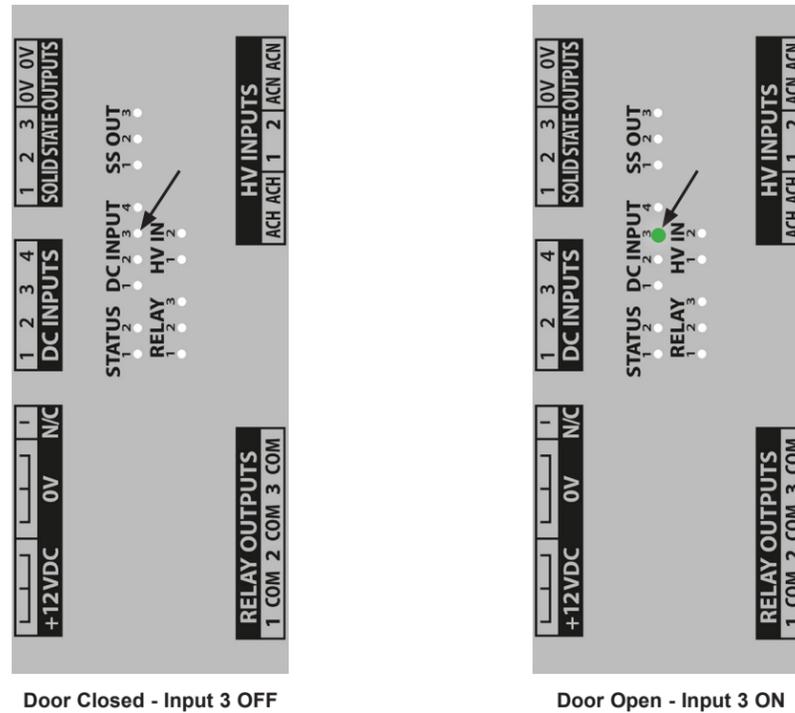


Figure 4

Large Terminal Board - Door Open Sensor Operation

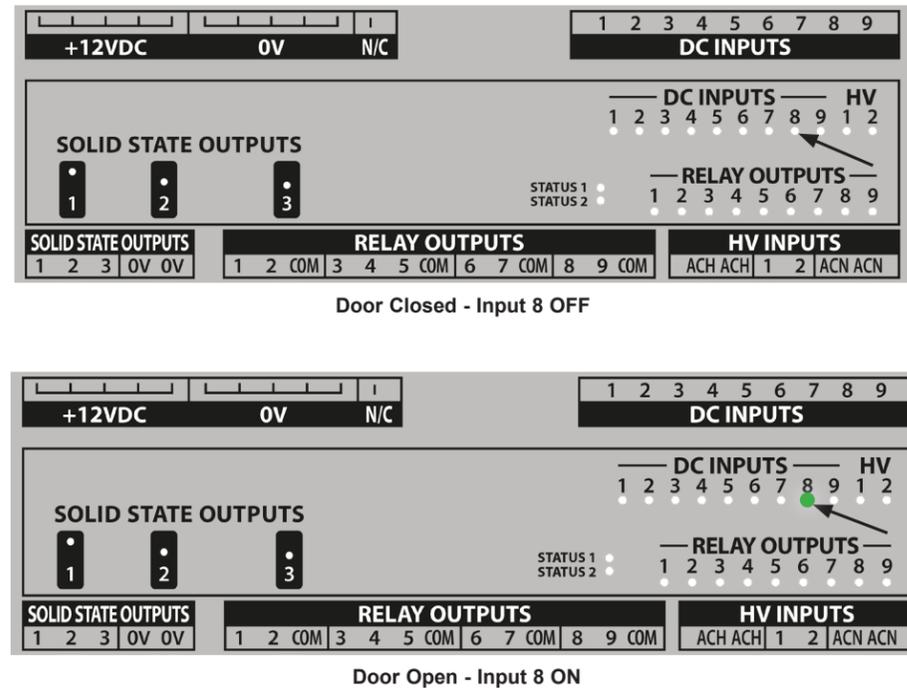
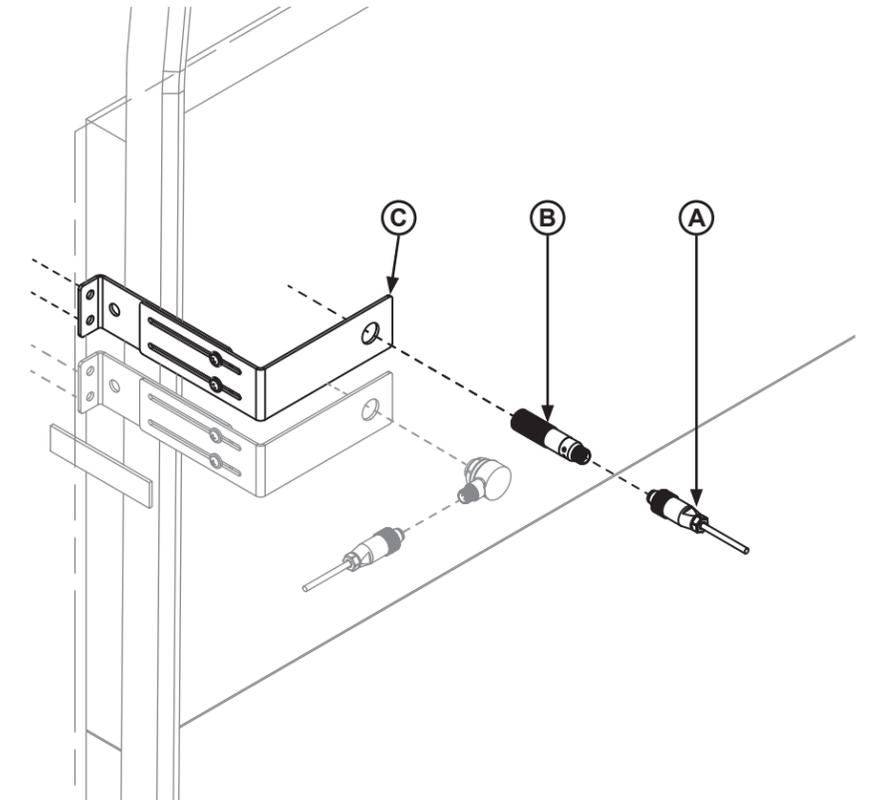


Figure 5

7155-0010 — Kit Contents



7155-0010 - Door Open Sensor Kit			
Item	Quantity	Part Number	Description
	1	7155-0010	Kit, Door Open Sensor, 12VDC, Brkt, Cable
A	1	0961-0648	Cable, 5M Lg, M12 Plug Flying Leads
B	1	0961-0660	Photosensor
C	2	3053-0011	Door Sensor Bracket Assembly
	1	1026-0005	Installation Instructions iDock Sensor Kits