

This Pre- and Post-Installation Checklist will help identify and resolve some of the most common installation issues. This guide will also verify that all Dipswitch settings and Area Depth adjustments are properly set. If after verifying all nine steps proper operation has not been achieved, please contact our Technical Support Team at (800) 877-6656.

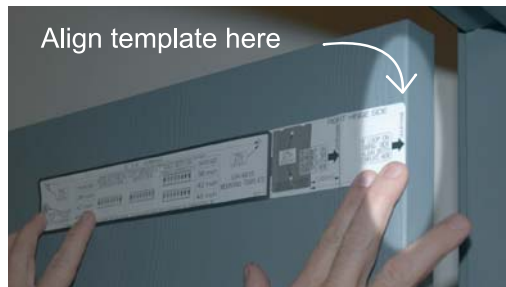
Note: this is **not** a substitute for the installation manual!

## 1

### Proper Sensor and Loop Placement

For proper installation of the door position sensor, determine which side of the door (Swing Side or Approach Side) the position sensor will be installed on. This will determine how both mounting templates should be aligned with the pivot edge of the door.

When installing Door Loop on **Swing Side** of Door:  
Template Labeled "Right Hinge Side"

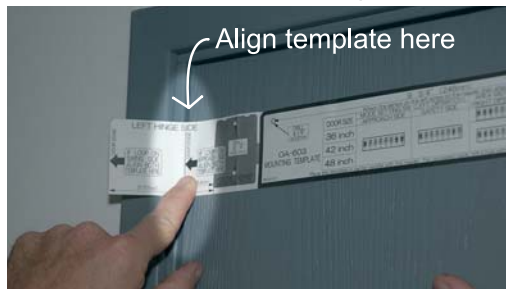


Note: **edge** of template aligned with edge of door

Template Labeled "Left Hinge Side"

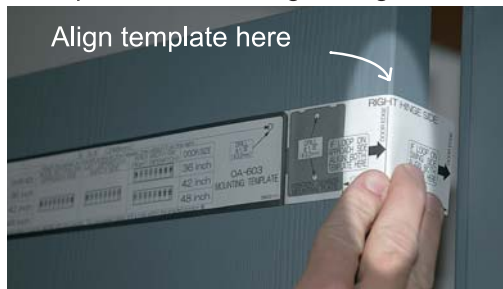


When Installing Door Loop on **Approach Side** (Non-Swing Side) of Door:  
Template Labeled "Left Hinge Side"



Note: **line** on template aligned with edge of door

Template Labeled "Right Hinge Side"



## 4

### Proper Operation of Position Sensor

Manually move door panel from 0 to 90 degrees. Ensure collar on position sensor moves freely and loop does not bind.

Important:

Position sensor does not rotate 360 degrees until it is mounted on Mounting Plate due to the locking function.

The collar on the position sensor must move freely as the door opens and closes.

Here are **two** of the most common reasons the position sensor does not move freely:

#### Example 1:

The bottom of the loop is getting caught in the door.



#### Most common solution:

Remove wire cover and rotate 90° and re-install to move loop away from hinge.



## 2

### Proper Angle Area Adjustment

Threshold Area: Area angle adjustment must be set to +5 degrees (deep).

Swing Area: Start with Swing Area angle adjustment at +5 degrees (deep). If after walk test the pattern is too deep, adjust towards shallow as necessary (after changing the angle adjustment please repeat initial setup. See Section 9 of this document).

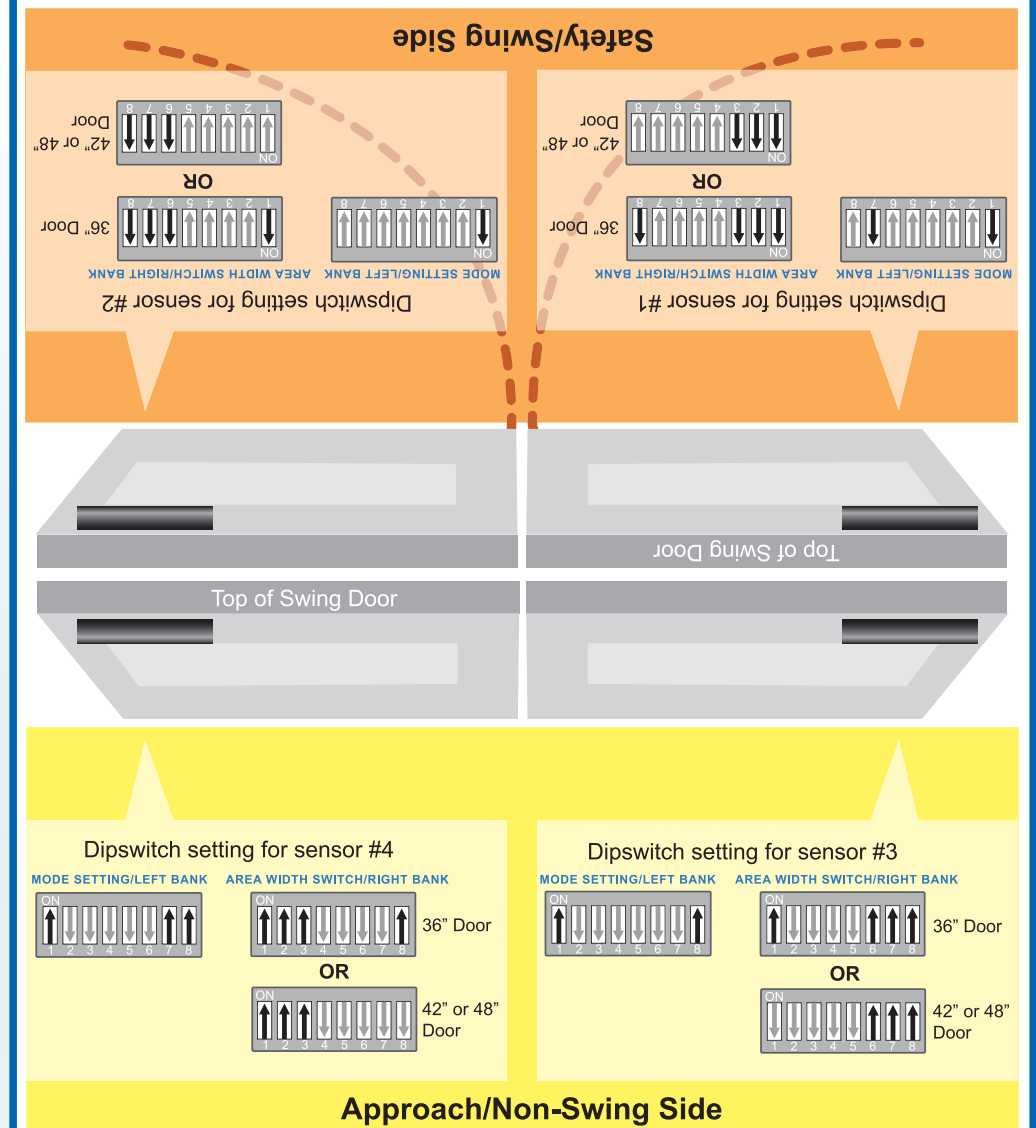


Using screwdriver, turn both adjustments clockwise towards "deep"

## 3

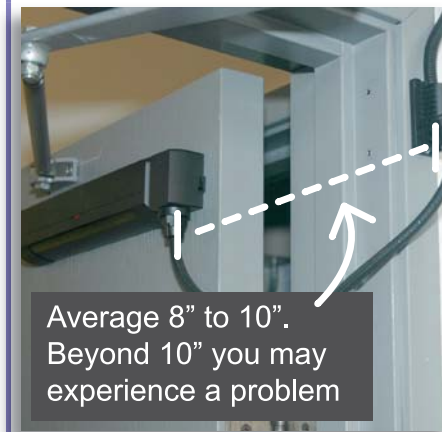
### Proper Dipswitch Settings

Verify proper dipswitch settings of OA-603 sensor heads (specifically dipswitches 7 & 8 of left bank and 1 thru 8 of right bank).



#### Example 2:

The loop is stretched beyond recommended distance, preventing free movement of position sensor collar.



Average 8" to 10". Beyond 10" you may experience a problem

#### Most common solution:

1. Move wire base to inside of jamb if possible.



2. Then remove wire cover and rotate 90° and re-install to move loop away from hinge.



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**Proper Mounting of Position Sensor**

Ensure position sensor is fully locked in place on the mounting plate, Place two fingers on top of position sensor and push down to ensure it is fully seated.



In this view, the bottom of the mounting plate is visible. Position Sensor is not fully seated.



To fully seat mounting plate, push down on position sensor until it clicks into place with its Lock Plate in upright position.



With the position sensor in place, bottom of mounting plate is flush with sensor.

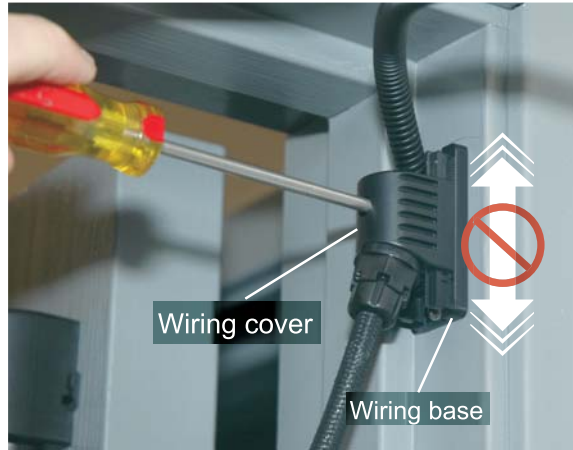


Once fully seated, push down lock plate to secure.

6

**Properly Secure Wiring Cover to Wiring Base**

Ensure set screw in wire cover is tight and wire cover does not move up or down on wire base.



When installed properly, wire cover is tight and will not slide on wire base.

If wire cover is loose, tighten using screwdriver as shown. The cover must **not** move up and down.

7

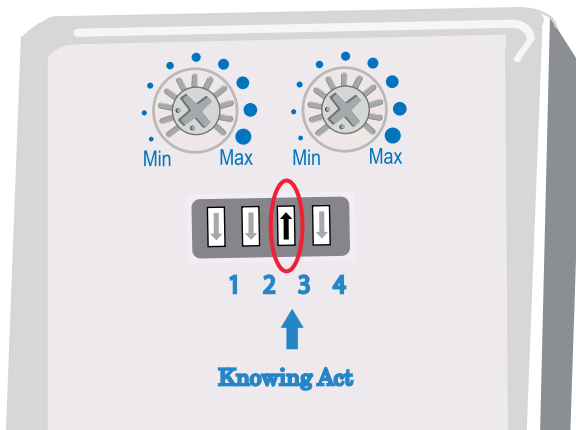
**Proper Use of Purple Wires (Knowing Act Applications)**

Ensure proper connection of wire harness in accordance with Wiring Matrix or Wiring Diagram (Note: if using purple wires ensure they are NOT connected to the Door Control).

Purple wires must not be connected to the Door Control. They are only for Knowing Act devices.

Note: when using purple wires verify that dipswitch 3 of the 904 is in the ON position.

<b>Settings</b>	<b>Note :</b>
as in install Notes	Purple wires connect to Kowing Act devices only. DO NOT connect purple wires to door control
ch 3 up.	See Note Above
<b>ORANGE</b> power	<b>PURPLE</b> N.O. & Com of Knowing act Device (See Note Above)
<b>INSTALL NOTES:</b>	
L.H Op. for Black Motor wire +, R.H Operat. White wire+. Set 904 dipswitch 3 to N.C.(up). On single swings place a jumper from pin 17 to 18.	
Pin 8	



8

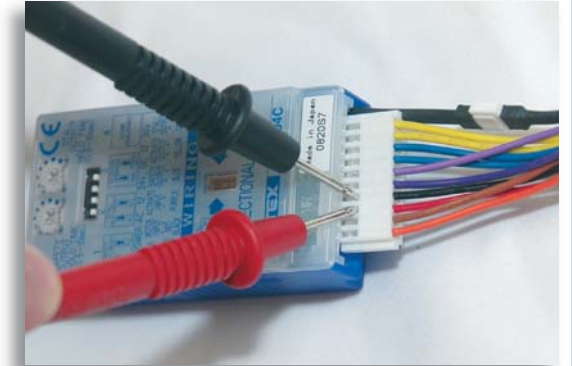
**Proper Connection to Motor Voltage**

Follow these steps to verify proper connection of Red & Black wires from OC-904:

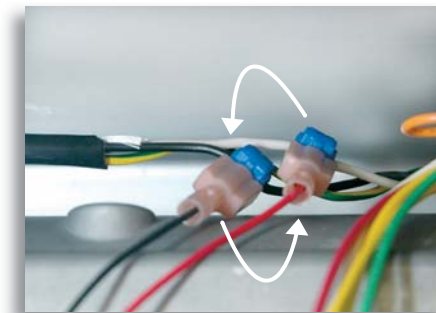


1 Place door in power hold open.

2 Check for proper voltage at red & black wire at the metal pads on the wiring harness. With a multi-meter set to VDC, place the red meter lead to the metal pad at the red wire of the OC-904 and place the black meter lead to the metal pad of the black wire of the OC-904. Meter should read a positive voltage.



3 If reading a negative voltage, the red & black OC-904 wires need to be reversed.



4 If reading 0 VDC, there may be a bad or improper connection on the red or black wire (find the bad connection and correct).



**After correcting wiring, an initial set-up must be done (Refer to Section 9).**

9

Review the initial setup sequence document to ensure proper understanding of initial setup. Review the proper Operation LED indications to help identify proper operation of sensors when walk testing AFTER initial setup.

**A successful learn:**

1) On either the swing or approach side OA-603 sensor head flip any dipswitch and then flip it back to the original position (necessary on only one sensor per door panel only).



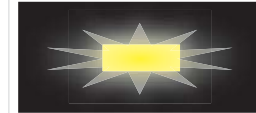
Both sensors should blink yellow for approx. 10 seconds, then turn solid yellow.

2) Solid Yellow → Activate Door



Once LEDs are solid yellow, activate door.

3) When door starts to open:

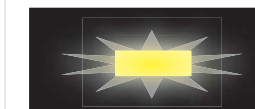


Blinking yellow on swing/safety side and...



solid orange on approach side

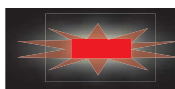
**4) Full Open**



Blinking yellow on swing/safety side and on approach side...



Solid orange, (approx. 6 secs.)

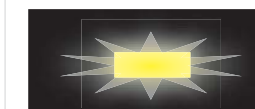


flashing red, (approx. 2 secs)



flashing yellow

**5) Closing Cycle**



Flashing yellow.

6) Full Closed - 3 seconds flashing yellow then solid green. If more than 4 seconds, you must repeat learning cycle.



3 seconds ... then green

If these nine steps don't resolve the issue, call Tech Support at 800 877-6656