

MANUFACTURER'S STATEMENT

This Installation manual 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.

Read this manual carefully before install. Failure to read this manual may cause improper operation and may result in serious injury or death of a person. The meanings of the symbols are as follows. Please study the following first and then read the contents of this manual.

	WARNING	Disregard of warning may cause the improper operation causing death or serious injury of a person.
	CAUTION	Disregard of caution may cause the improper operation causing injury of a person or damage to objects.
	NOTE	Special attention is required to the section of this symbol.

1 Placement the Sensor heads

Mounting templates should be aligned with the pivot edge of the door .

Template Labeled "Right Hinge Side".



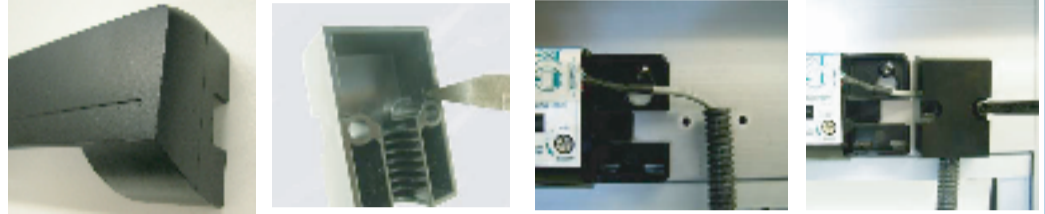
Template Labeled "Left Hinge Side".



NOTE Edge of the template aligned the hinge of door.
Make sure to attach the both templates (Swing Side , Approach Side) on the same horizontal level.

3 Fix the door loop

1. Knockout the side of a cover closer to OA-605.
2. Connect the door loop cable to OA-605.
3. Fix the door loop cover.



2 Fix the Sensor heads

1. Drill mounting holes and a wiring hole according to the mounting template.

NOTE Make a hole on one side. Door loop will be install on **one side only**.

2. Remove the mounting template.
3. Fix the OA-605 sensor heads.



How to remove the cover

Insert the flat head screw driver and push it down.
Hold the top and remove the cover.

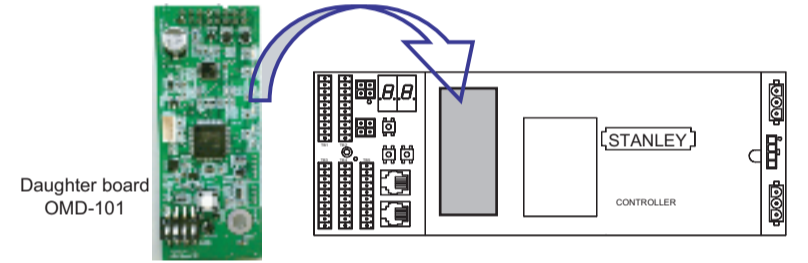


4 OMD-101 on MC521 controller

The procedure for OMD-101 is same for that of SENTREX MICRO BOARD

WARNING Turn "Power Switch" on MC521 controller OFF.

1. Remove one of hexagon standoffs from MC521 controller.
2. Tight the longer hexagon standoff (ELITE_ST Accessories) .
3. Connect OMD-101 to Sentrex (J401) connector on MC521 Controller.
4. Fix the board with the shorter hexagon standoff (ELITE_ST Accessories) .



5 Wiring

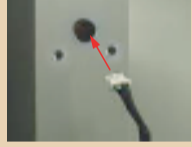
Wiring the cable as shown below.

Connect pass thru the communication cable to both OA-605 sensor heads.



For concealed wiring

Feed the connector.



Fix the cover.



For surface wiring.

Knockout the cover.



Fix the cover.



Connect cable



Supplied flexible wire shroud is cut to fit on site.

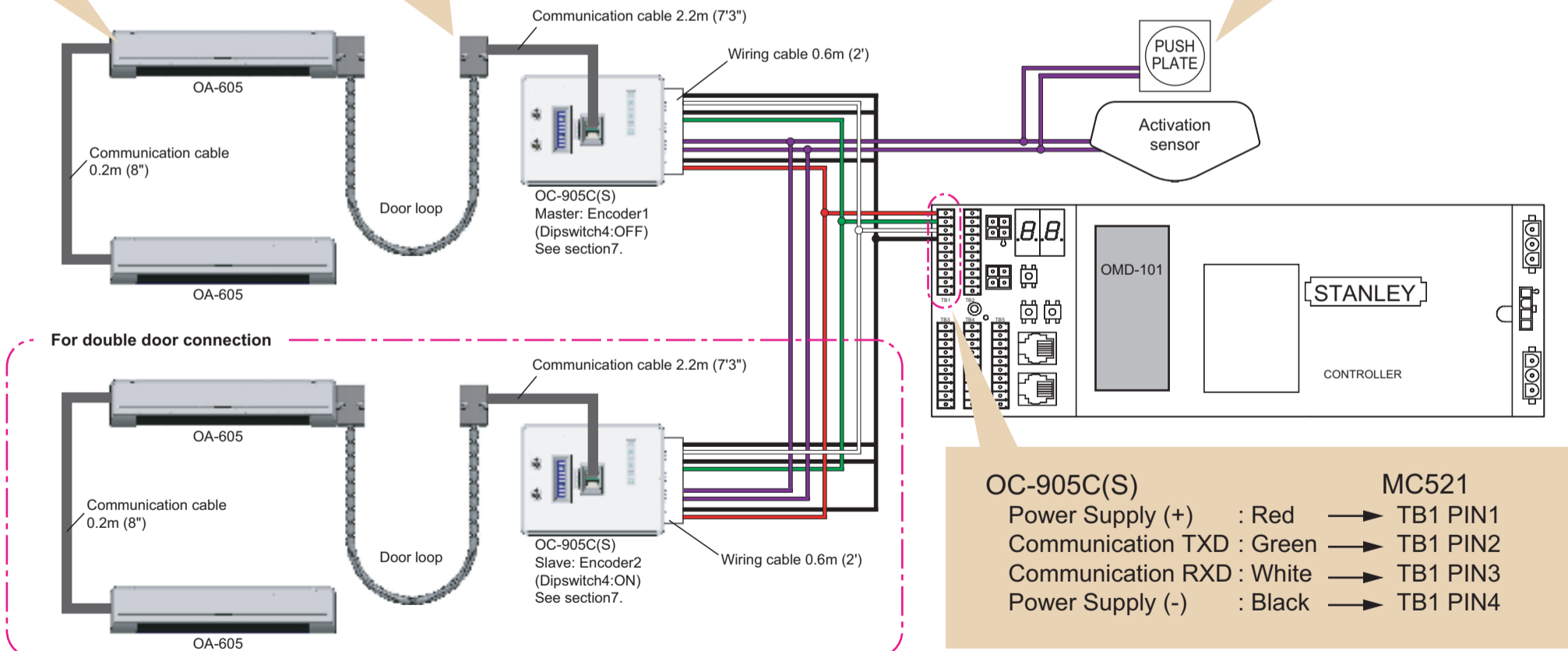


OC-905C(S)

All activation devices must be connected to Purple wires.
For knowing act application, connect purple wires to push plate (or to Activation sensor).
See section7.

NOTE

On pairs, purple wires from OC-905C(S)s connect in parallel. Be sure to observe polarity(+ to +, - to -).
Do not connect purple wires to MC-521.



OC-905C(S)	MC521
Power Supply (+) : Red	→ TB1 PIN1
Communication TXD : Green	→ TB1 PIN2
Communication RXD : White	→ TB1 PIN3
Power Supply (-) : Black	→ TB1 PIN4

6 Dipswitch settings of OMD-101

Set dipswitch as shown below.

OMD-101



Black arrow : See the setting below
Gray arrow : N/A

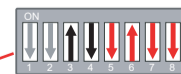
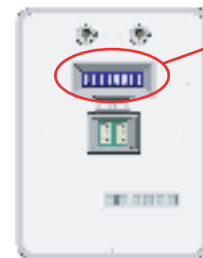
Dipswitch1
If setting is ON, after 10 sec. of "Dead Lock", OC-905C(S) emits Creep Signal.

NOTE See ELITE ST specification manual for each dipswitch definitions.

7 Dipswitch settings of OC-905C(S)

Set dipswitch as shown below.

OC-905C(S)



Red arrow : Mandatory
Black arrow : See the setting below
Gray arrow : N/A

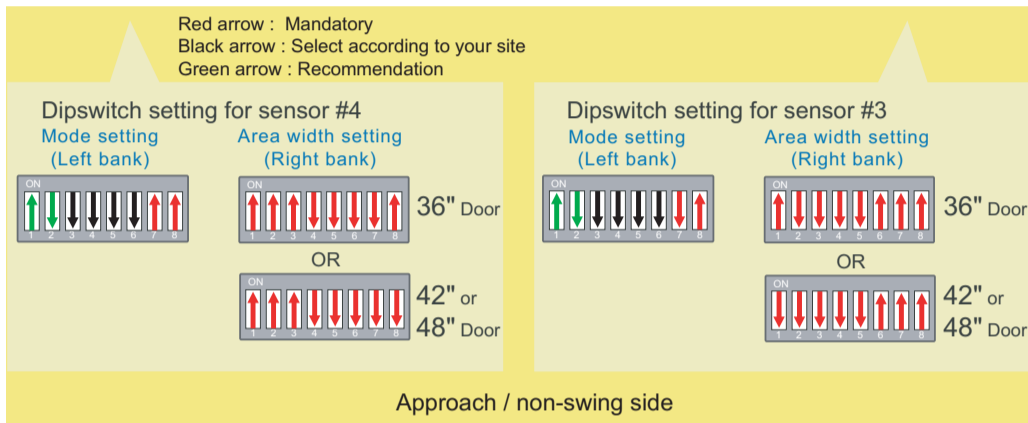
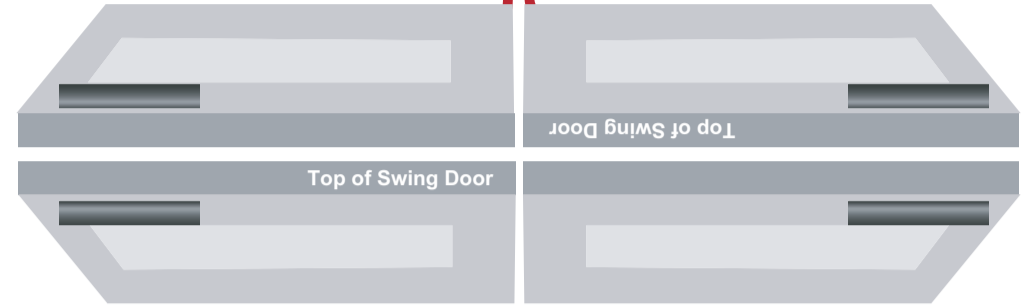
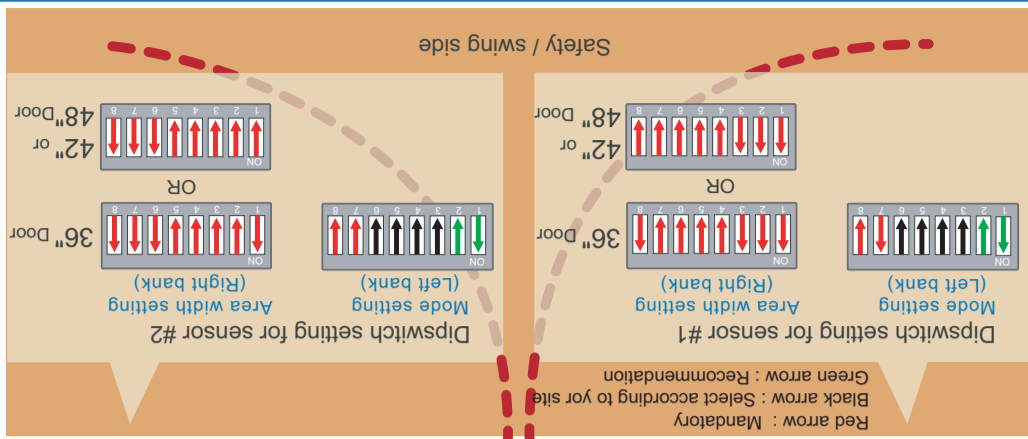
Dipswitch3
ON : knowing act application, OFF : fully automatic application.

Dipswitch4
ON : "Slave (Encoder2)", OFF : "Master(Encoder1)".
When connected a single door (one door), set to OFF.
When connected a double door (two doors), select ON or OFF respectively.

NOTE See ELITE ST specification manual for each dipswitch definitions.

8 Dipswitch settings of OA-605

Verify proper dipswitch settings of OA-605 sensor heads (specifically dipswitches 7 & 8 of left bank and 1 thru 8 of right bank).



NOTE See ELITE ST specification manual for each dipswitch definitions.

CAUTION Dipswitches 7 & 8 of Left bank must be set properly and will be exactly opposite from approach side to swing side of same panel.

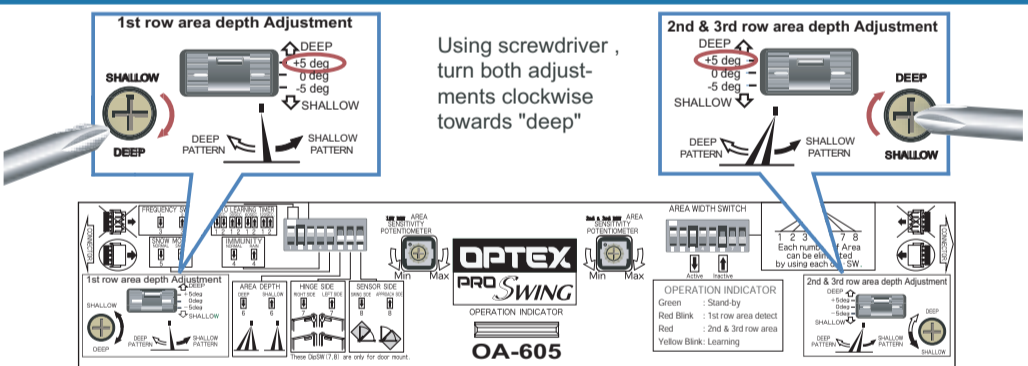
9 Area depth angle adjustment

1st row area

1st area depth angle must be set to +5 degrees (deep).

2nd & 3rd row area

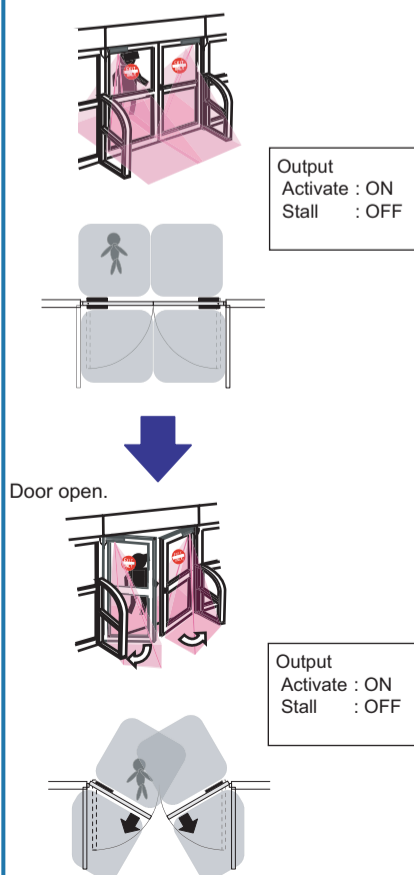
Start with 2nd & 3rd area depth angle at +5 degrees (deep). If after walk test the pattern is too deep, adjust towards shallow as necessary. After changing the angle adjustment please repeat Setup process. (See Setup Process of this document).



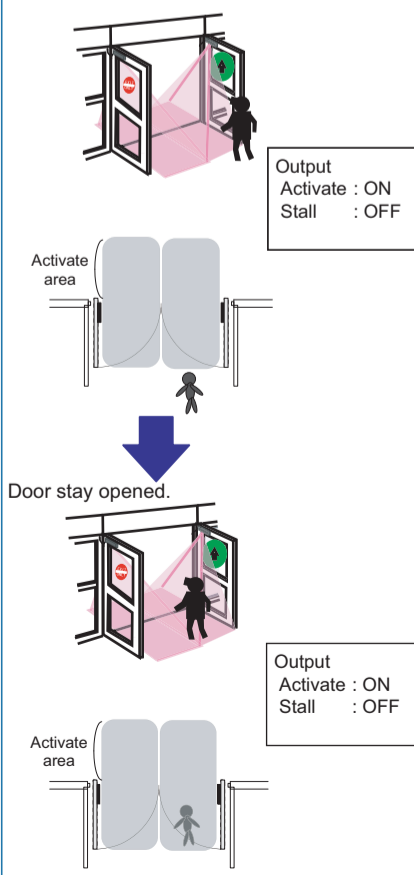
11 Operation check

Before leaving the site, check five items

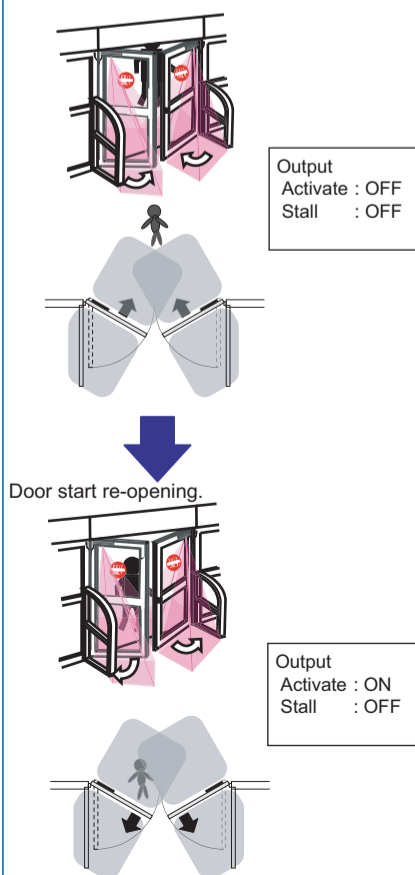
Entering approach side at full closed position.



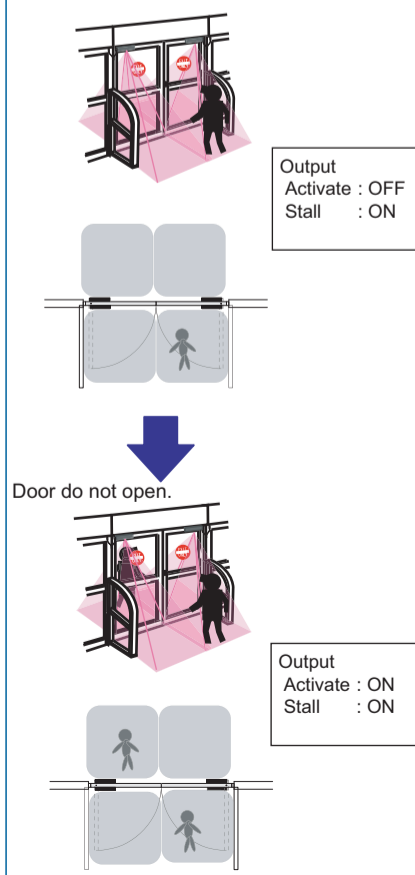
Entering the door at full open position.



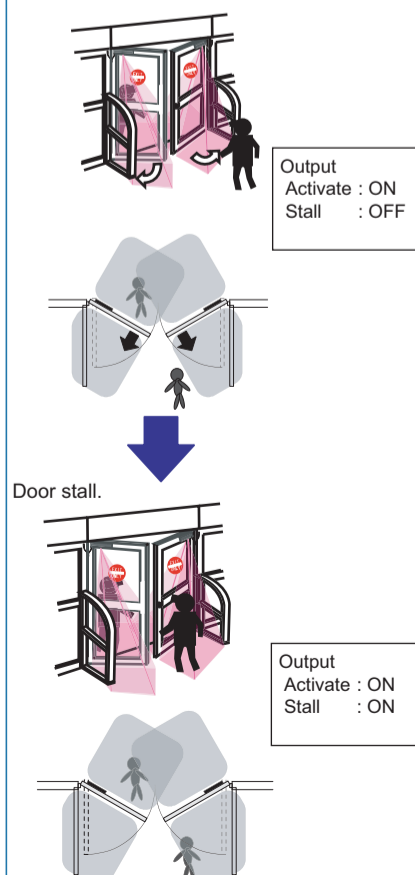
Entering approach side during closing cycle.



Entering swing side at full closed position.



Entering swing side during opening cycle.



NOTE Once the door reverses, swing side door will be activated again.

10 Setup process

There are 2 ways for a setup. Term Definitions :

First/Reset Auto Learn : The "Auto Learn" function (similar to Sentrex) which needs to be carried out at power-supply or when the settings have been changed.

Elite Learning : Same function as "First/Reset Auto Learn" but for Elite System. The function that OA-605 learns the floor change when the door opens.
* Only enabled at the power-supply for the first time or setting change

First/Reset Auto Learn

1. Turn "POWER SWITCH" on MC521 Controller ON, and supply 115VAC to the controller.
2. After supplying 115VAC, WITHIN 4 sec., press "First/Reset Auto Learn Switch" for approx. 2 sec..
3. After approx. 15 sec., the door opens for 90 degrees, and after a while, the door starts closing in order to recognize the door position.
4. After approx. 15 sec., the door reopens and closes for 90 degrees, and Elite system carries out Elite Learning.
5. After approx. 5 sec., the door reopens and closes for the verification.
6. When completed, the Interface LED on OMD-101 goes from Blinking Green to Solid Green.

NOTE After First/Reset Auto Learn is completed, do not turn "POWER SWITCH" OFF for minimum of 2 minutes.

NOTE When failed to complete, the operation LED shows Green Blinking, and Encoder LEDs blinks Green and Red alternately. When this occurs, repeat the procedure above from step "1".



First/Reset Auto Learn Switch

Elite Learning

To enable an Elite Learn process only, on either the swing or approach side OA-605 sensor head flip any dipswitch and then flip it back to the original position (necessary on only one sensor per door panel only). Check the process as shown below chart.

Door Status	Sensor Status	OA-605 Operation indicator		OC-905C(S) Operation indicator
		Swing Side	Approach Side	
	Initial setup	Approx. 10sec. 	Approx. 10sec. 	Approx. 10sec.
	Waiting for next learning	Until activate door	Until activate door	Until activate door
	Activate door to learn opening cycle			
	Learning full opened cycle		Approx. 6sec. Approx. 2sec. 	
	Learning closing cycle	Until approx. 3sec. after full closed		Until approx. 3sec. after full closed
	Setup complete	NOTE If more than 5 sec., you must repeat "initial setup".		