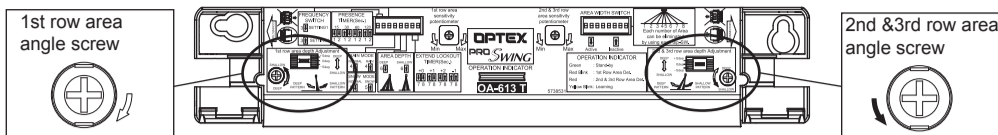




## ADJUSTMENTS for OA-613 T

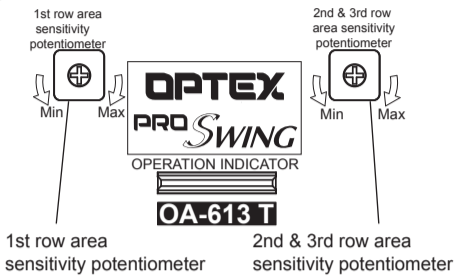
### 1 Area depth angle adjustment



Start with 1st row area depth angle at -5 degrees (shallow).  
If after walk test the pattern is too shallow, adjust towards deep as necessary.

Start with 2nd & 3rd row area depth angle at +5 degrees (deep).  
If after walk test the pattern is too deep, adjust towards shallow as necessary.

### 2 Adjusting the Sensitivity

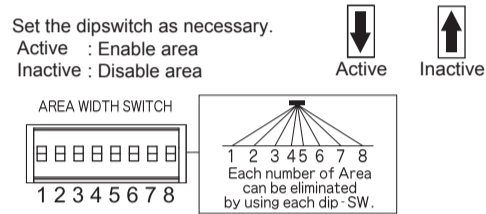


### 3 Initial setup

This sensor has the function to fit floor condition changes automatically.  
Therefore, even if objects are put in the detection area, sensor will learn the changes gradually and set back to normal operations automatically after presence timer has expired.  
To enable a Learn process only, flip any dipswitch on OA-613 T sensor head and wait 1 second, then flip it back to the original position.

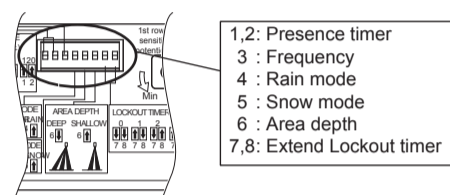
**NOTE** See PREMIER T installation manual step 6 (PREMIER Learn process).

### 4 Area width setting switch (Right bank)



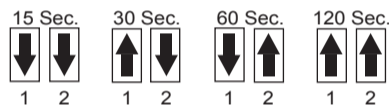
**NOTE** Whenever a dipswitch is moved a PREMIER Learn process is enabled, ensure proper completion of process (See step 3).

### 5 Mode setting switch (Left bank)



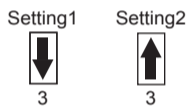
#### 5-1. Setting the Presence timer

To comply with ANSI standard, set to "30sec." or longer.



#### 5-2. Setting the Frequency

When using more than one sensor close to each other, set the different frequency for each sensor by dipswitch 3.

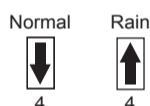


#### 5-3. Setting the Rain mode

Set dipswitch 4 to "Rain" if the sensor is used in a region with a lot of rain.

**NOTE**

When set to "Rain", the actual detection area may become smaller.

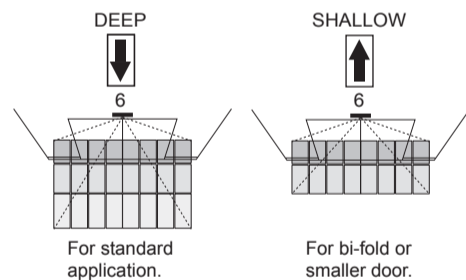


#### 5-4. Setting the Snow mode

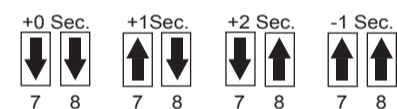
Set dipswitch 5 to "Snow" if the sensor is used in a region with snow or a lot of insects.



#### 5-5. Setting the Area depth



#### 5-6. Setting the Extend Lockout timer

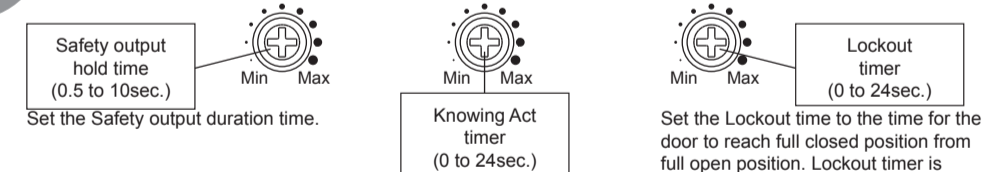


Fine-tune the Lockout time after setting the Lockout timer on OC-913C T by volume (0-24 sec.)  
Only effective when dipswitch 3 is set to "Manual" and dipswitch 5 is set to "OFF" on OC-913C T.

**NOTE** See ADJUSTMENTS for OC-913C T

## ADJUSTMENTS for OC-913C T

### 1 Timer adjustment



Set the time required for door to close from fully open position to within 10 degrees when uses for Knowing Act application (dipswitch 4:ON).

### 2 Setting the dipswitches

- Safety relay contact : Choose the Relay contact.
- Door open signal switch : Determines safety output when door is open.
- Auto Lockout : Set the Lockout method  
ON : Manual (by volume setting on OC-913C T)  
OFF : Auto (by motor voltage)
- Knowing Act : If uses Knowing Act Function, set to "ON".

Set the dipswitches as shown below.

Dipswitch setting	OFF	ON
1 Safety relay contact	NO	NC
2 Door open signal switch	Act	Saf
3 Auto Lockout	Auto	Manual
4 Knowing Act	OFF	ON
5 Data input	OFF	ON
6 PWM	OFF	ON
7 Test input	Enable	Disable
8 Test input	High	Low

- Data input : If using data output from door control for Lockout, set to "ON".  
When Data input is "ON", setting of Auto Lockout (dipswitch 3) is ignored.

- PWM : If using PWM from door control for Lockout, set to "ON".  
When using PWM, dipswitch 5 also needs to be set to "ON" and setting of Auto Lockout (dipswitch 3) is ignored.

- Test input : If not using Test input from door control for Lockout, set to "ON". When not using Test input, dipswitch 7 also needs to be set to "ON", and setting of Test input (dipswitch 8) is ignored.

- Test input : If using Test input of "Active Low" for Lockout, set to "ON".

## Knowing Act Function

Use this function when Primary Activation is Knowing Act (i.e. Push Plate, Card reader, etc.) and a secondary activation sensor (door mount or header mount) is desired.  
See WIRING in the installation manual when Knowing Act Function is required.

Secondary activation sensor status in Knowing Act Function:

- Full Closed position  
Secondary activation sensor is inactive until the Knowing Act device is initiated.  
Door can be used manually without activation or reactivation from sensor.
- Door opening & Full open  
When door is activated by Knowing Act, the secondary activation sensor is active and the door will remain open when the sensor is in detection.
- Door closing  
Secondary activation sensor is active and will reactivate the door upon detection until the Knowing Act timer expires. Set the Knowing Act timer on OC-913C T control to stay active to within 10 degrees from full closed.

**NOTE** When using the Knowing Act Function, Push/Pull activation MUST be disabled at the door controller.

## INFORM BUILDING OWNER / OPERATOR OF THE FOLLOWING ITEMS

### WARNING

- Always keep the detection window clean. If dirty, wipe the window with a damp cloth. (Do not use any cleaner / solvent.)
- Do not wash the sensor with water.
- Do not disassemble, rebuild or repair the sensor yourself, otherwise electric shock may occur.
- When the operation indicator blinks Green, contact your installer or service engineer.
- Always contact your installer or service engineer when changing the settings.
- Do not paint the detection window.

**NOTE** 1. After applying power, wait 10 seconds then walk test detection area to ensure proper operation.  
2. Do not place any objects that move or emit light in the detection area. (e.g. Plant, illumination, etc.)

## TROUBLESHOOTING

Symptom	Operation indicator		Possible cause	Possible countermeasures
	OA-613 T	OC-913C T		
Initial setup can not start.	None	None	Power supply voltage. Wrong wiring cable (Brown & Orangewires) of OC-913C T.	Set to the stated voltage. Check the wiring cable.
	Twice Orange blinking or None	Twice Orange blinking	Connection failure from OA-613 T to OC-913C T.	Check the connector.
	Slow Orange blinking		Defective communication cable. When all the area are inactive. (Right bank dipswitches on OA-613 T)	Replace as necessary. Verify proper settings. See <b>installation manual step 5</b> .
Incomplete initial setup	Blinking Yellow	Blinking Green	OC-913C T dipswitches set wrong.	Check the dipswitch settings.
Sensor detects when no one is in the detection area. (Ghosting)	Solid Green or Solid Red or Blinking Red	Proper	Improper 1st row or 2nd & 3rd row area angle adjustment.	Set 1st row area angle at -5 degrees (shallow) or 2nd & 3rd row area angle at +5 degrees (deep).
			Stalling caused by traffic just outside of swing path.	Set dipswitch 6 on left bank dipswitch of OA-613 T on/up (shallow).
			Moving objects near guide rails.	Remove the objects.
			Area width dipswitches set wrong. (Right bank dipswitches on OA-613 T)	Verify proper settings. See <b>installation manual step 5</b> .
			Wet floor. The exhaust emission or fog penetrate into the detection area.	Check the installation condition referring to <b>MANUFACTURER'S STATEMENT</b> .
			Reflecting objects in the detection area.	Remove the objects.
			Objects that move or emit light (Ex. Plant, illumination, etc.)	
Water drops on the detection window.	Use the rain-cover (Separately available). Or install in a place keeping the water drops off.			
Sensitivity is too high.	Adjust the sensitivity lower.			
Snow drifting.	Set the snow mode to "Snow".			
Other than above.	Set the rain mode to "Rain".			
Door does not operate properly when a person enters the detection area. (Sensor does not detect.)	Solid Green	Proper	Sensitivity is too low.	Adjust the sensitivity higher.
			Area width dipswitches set wrong. (Right bank dipswitches on OA-613 T)	Verify proper settings. See <b>installation manual step 5</b> .
	Slow Green blinking	Proper	Improper 1st row or 2nd & 3rd row area angle adjustment. Signal saturation.	Set 1st row area angle at -5 degrees (shallow) or 2nd & 3rd row area angle at +5 degrees (deep). Remove highly reflecting objects from the detection area. Or lower the sensitivity.
OA-613 T detects but door operate.	Red or Blinking Red	Proper	Dirty detection window.	Wipe the detection window with a damp cloth. (Do not use any cleaner or solvent.)
			Sensor failure.	Contact your installer or service engineer.
Door remains open.	Solid Green	Proper	Improper wiring of door equipment on / off / hold switch.	Verify proper wiring of on / off / hold switch.

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