

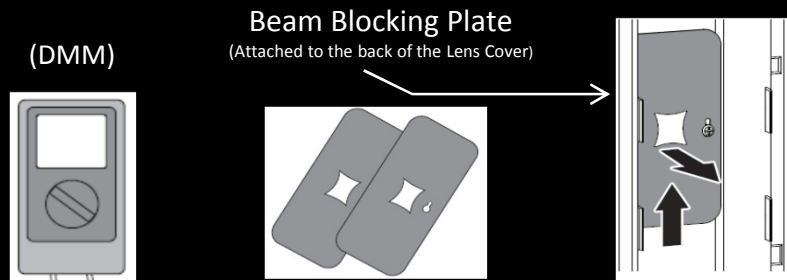
**Pre-Installation Checklist**

This Pre-Installation Checklist is designed to help guide and assure the installation of the Optex PE Beam is set-up and aligned correctly. This guide will also verify the proper dip-switch setting (E.g. Low Battery, Channel Frequency, Beam Interruption etc.)  
 If after all steps have been conducted properly and operation has not been achieved, please contact our Tech Support Team at (800 556-7839)

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

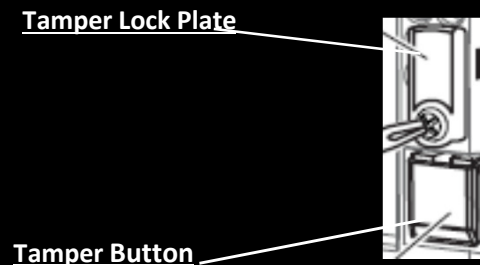
**STEP 1.**

Verify you have the proper tools to achieve optical alignment and increase reliability and maximum performance of the PE Beam



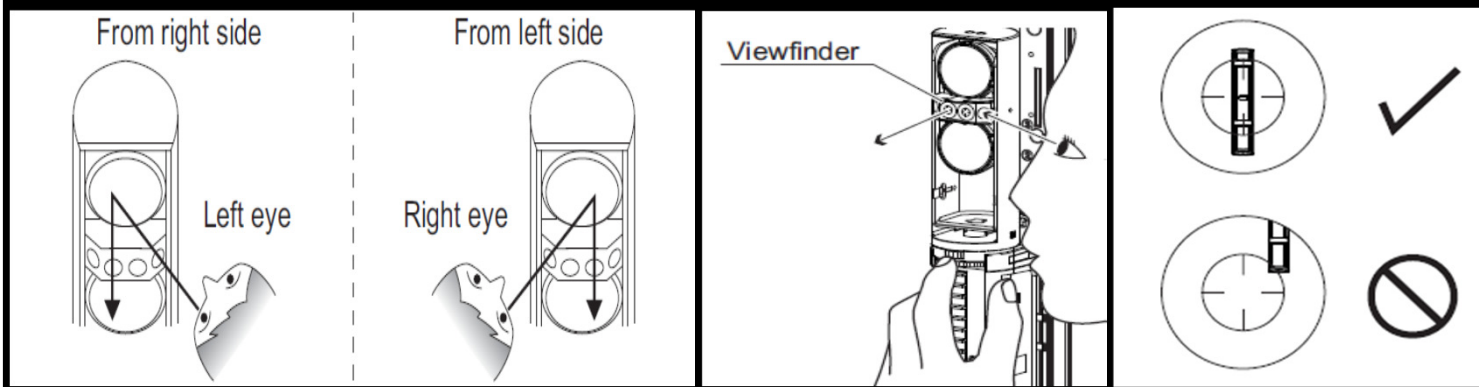
**STEP 2.**

Locate the tamper and make sure it is open. This will allow the PE Beam to remain in Alignment Mode.



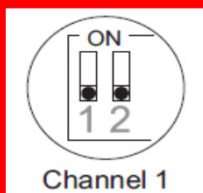
**STEP 3.**

Use the view finders to perform the rough alignment on both Receiver and Transmitter. Make sure to align the PE Beam in between the crosshairs as demonstrated below.

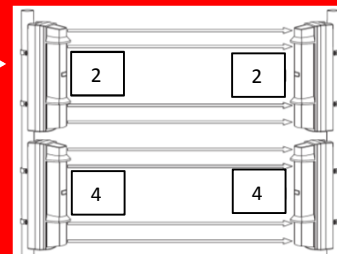
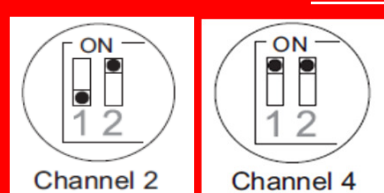


**Note:** Before starting the fine tune alignment process if double stacking the PE Beams please make sure the Frequency Channels are in the correct position

Single Stack CH 1 OK



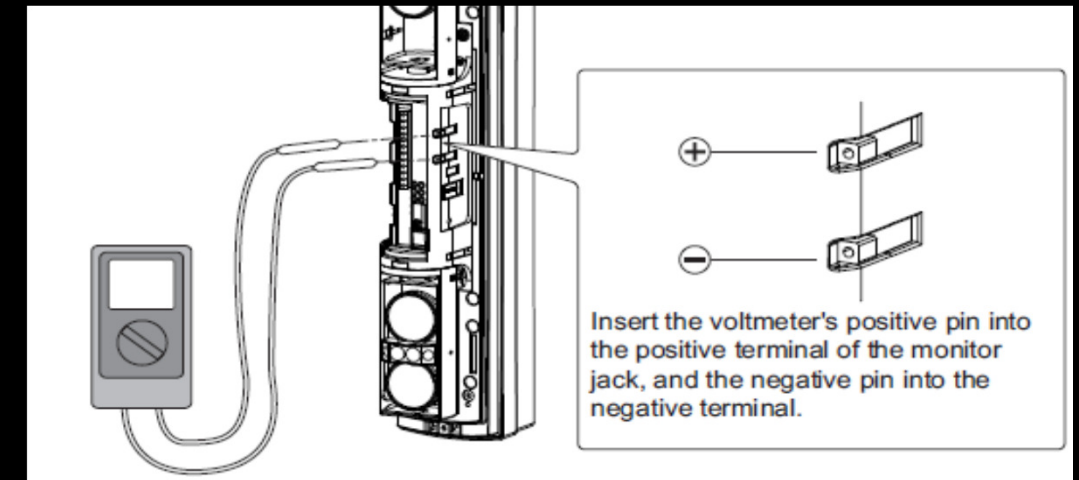
Double Stack



**STEP 4.**

After the rough alignment has been set using the viewfinder PE Beam is now ready for final adjustments. To reach maximum Optical Alignment please refer to the following steps (4-1 and 4-2)

**4-1)** Make fine-tune adjustments with the (DMM) for a more accurate optical alignment.  
Set DMM range to

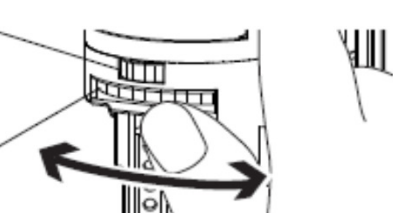


**4-2)** Adjust the horizontal and vertical angles while checking the light receiving status through the Alarm Indicator LE's on the pairing Receiver.

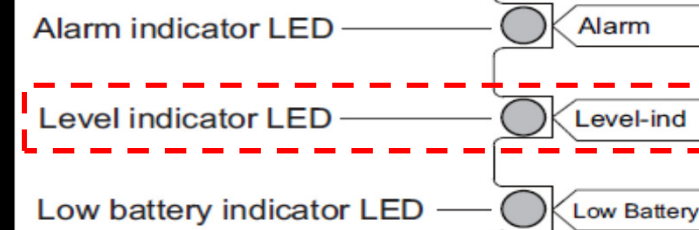
Turn the small dial for horizontal alignment.

Turn the large dial for vertical alignment.

- Clockwise: Upward
- Counterclockwise: Downward



**Receiver**



Level indicator LED	Light interrupted	Light received			
	ON (Red)	Fast blink	Slow blink	OFF	
	●	●●●	●●	○	
Adjustment level	Realign		Fair	Good	Excellent
Monitor jack output	0V ▷ 1.0V ▷ 2.4V ▷ 2.8V ▷ 1V ▷				

**CAUTION**

The Alarm Indicator LED is a supporting tool for easy alignment. Be sure to perform the fine alignment to ensure maximum output level through the monitor jacks.  
 The level indicator LED should only be used for the rough alignment, for fine alignment always use the monitor jack.

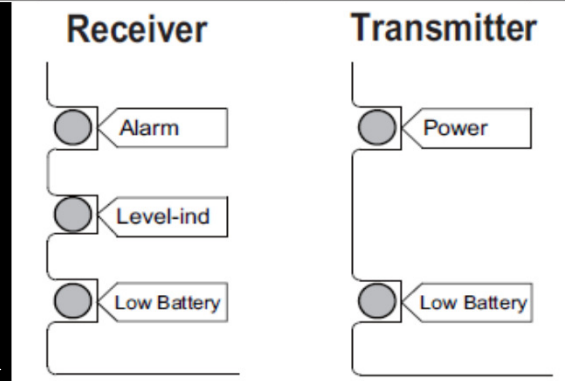
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**STEP 5. OPERATIONS CHECK**

After Optical Alignment has been completed make sure to double check Dip-Switch settings

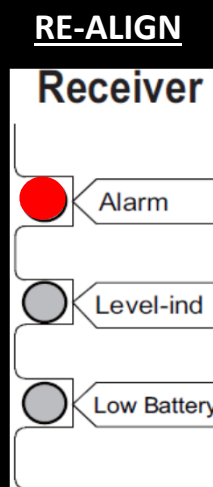
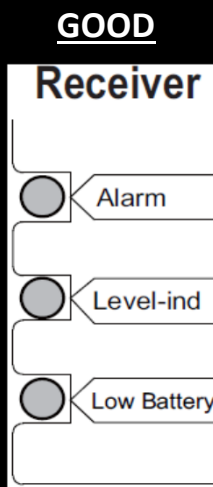
5-1) LED INDICATOR

	Detection (beam interruption)	Normal	Low battery power
ALARM (Receiver)	ON	OFF	—
POWER (Transmitter)	ON	ON	—
LOW BATTERY (Receiver&Transmitter)	—	—	Blink



Reference Steps 4-2

5-2) Make sure that the Alarm indicator LED is off. If illuminated even when the beams are not blocked, re-adjust the optical alignment again.

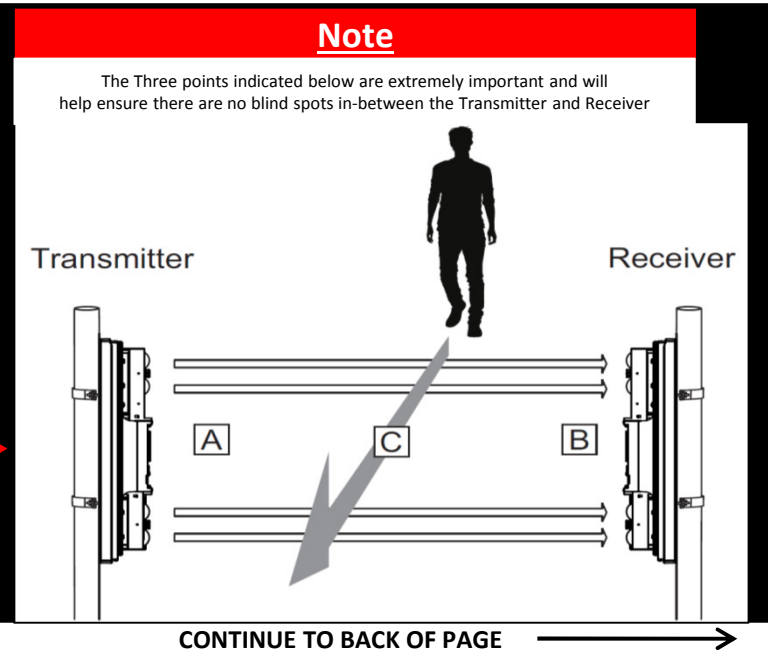


STEP 6.

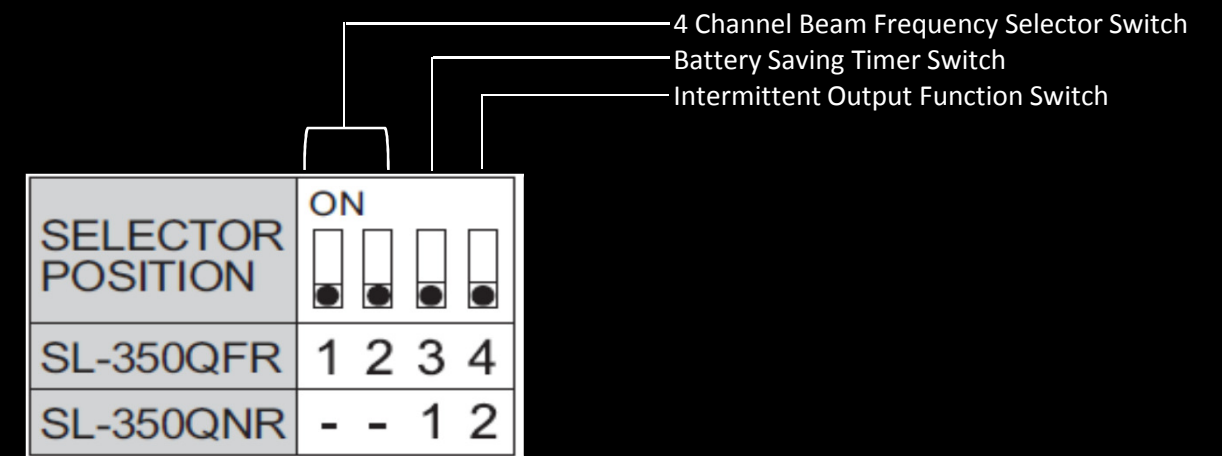
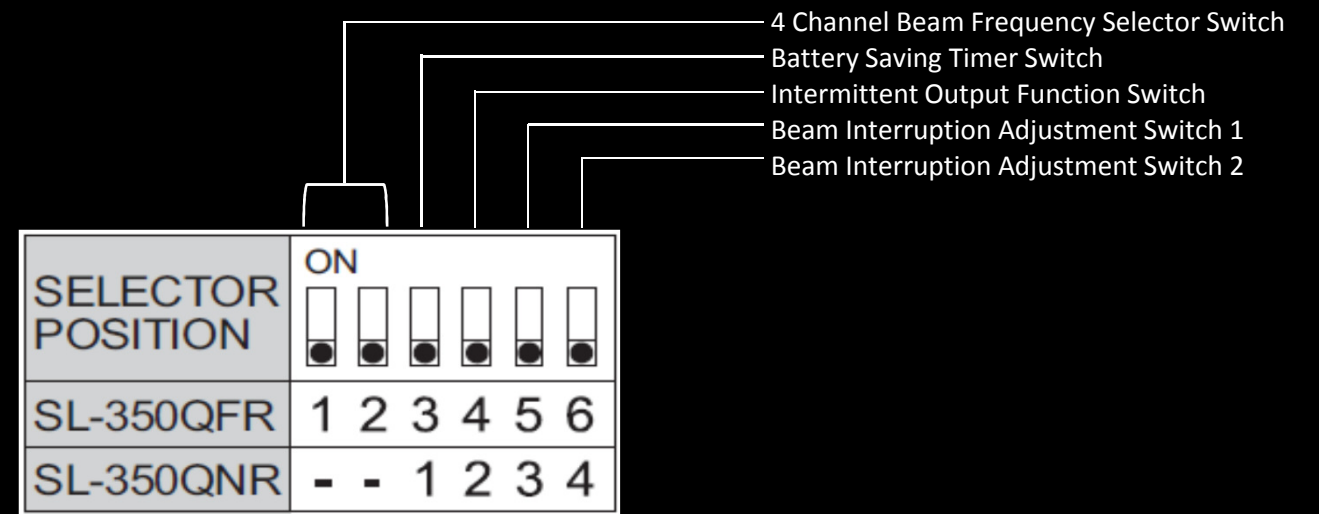
Conduct a walk test to verify the Alarm indicator on the receiver turns ON as the beam is being interrupted. Be sure to conduct a walk test at the following three points.

- A. In front of the Transmitter.
- B. In front of the Receiver.
- C. At the mid point between the Transmitter and Receiver.

If the LED turns on when test in the three key points indicated above the PE Beams have been installed



(I.E. Channel Frequency, Battery Saving Mode, Intermittent Output & Beam Interruption) to fit your application needs.



Return the Beam Blocking Plate to the back of the Lens Cover so that it is not misplaced

