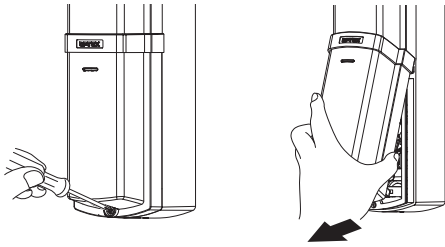


Mounting and Wiring (you must remove sensor from backplate for mounting)

1. Remove front covers, then cable connectors of transmitter and receiver.

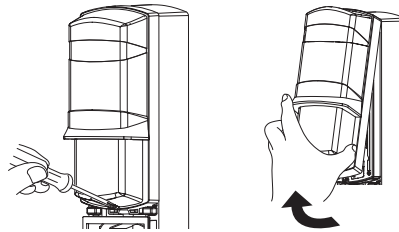
① Remove the bottom cover:



Loosen the cover
lock screw

Pull

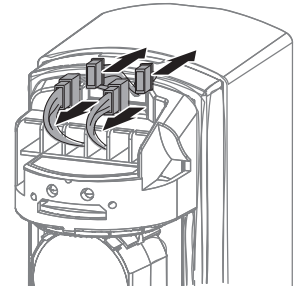
② Remove the main unit cover:



Loosen the main unit
cover lock screw

Pull and
slide up

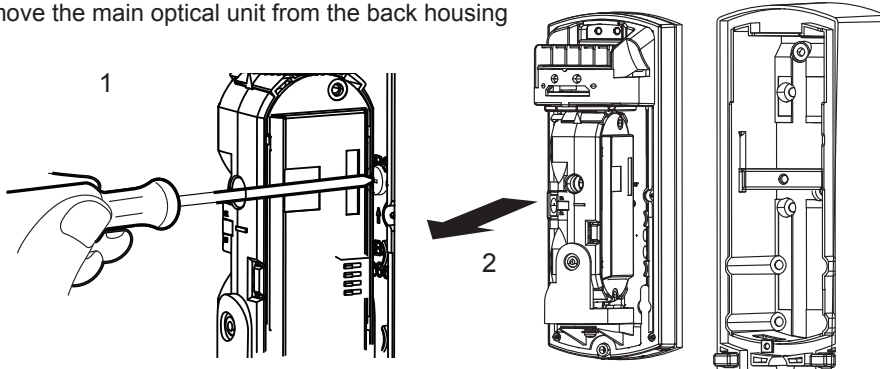
③ Unplug the wired connectors:



2. Remove the main optical unit from the transmitter and receiver.

Transmitter and receiver:

Remove the main optical unit from the back housing



Loosen the optical unit mounting screw.
Note: Optical unit shown at 90°

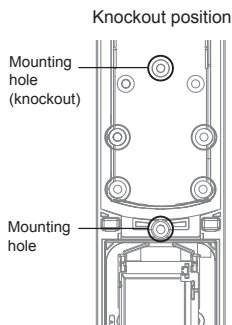
Take the main optical unit out
of the back housing

3. Mount and wire the units

Mounting holes

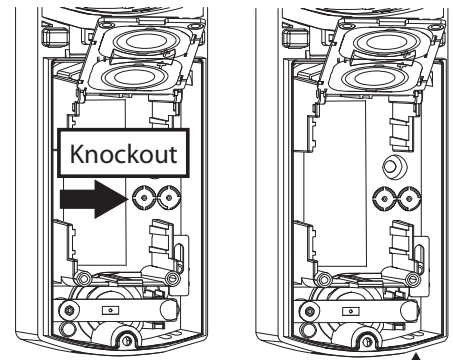
(receiver and transmitter):

① Using a screwdriver or similar tool, break the knockout position in the back housing.



(receiver only):

② Again using a screwdriver or similar tool, break the knockout position in the back housing.

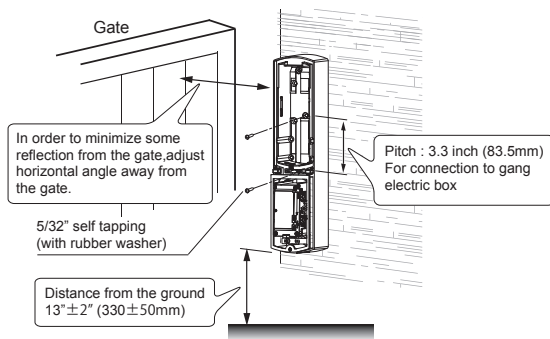


Use bottom knockouts for
external wiring

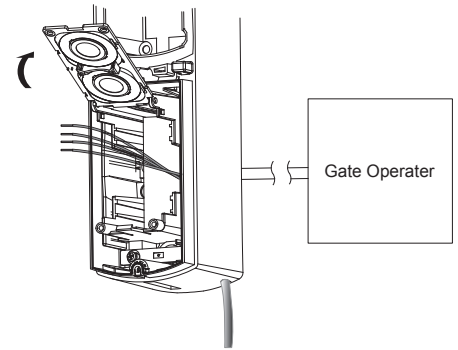
continued on the back

3. Mount and wire the units (continued from front)

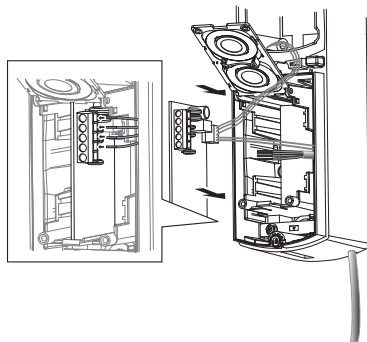
- ③ Using the template, mount the back housing to the wall or post.



- ④ Open the plate and then route the Gate Operator wires from the rear of the back housing through the knockout holes. Adjust the wires so that they extend about 4 inches from the holes. Use supplied putty to fill holes with the wires.

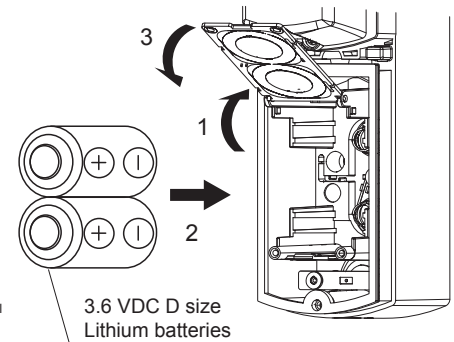


- ⑤ Connect the wires to the interface board terminals, and close the plate. Reassemble the optics and covers.



In the transmitter only, insert the batteries

- ① Open the battery plate in the direction of the arrow. Insert the two batteries into their compartments.
- ② Ensure the positive terminals are facing toward the front.
- ③ Close the battery plate.

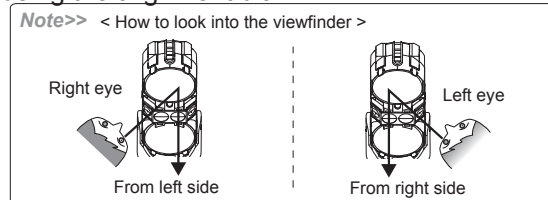


Disposal method for batteries
Dispose of used batteries in accordance with local government regulations/low and EU Battery Directive (2006/66/EU).

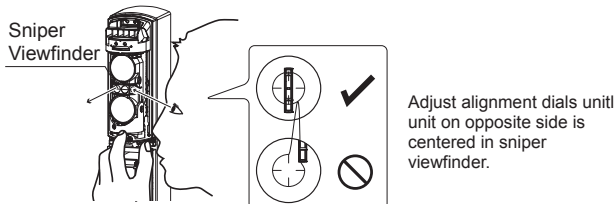
Alignment

4. Align transmitter, then receiver:

- ① Look into the sniper viewfinder and perform alignment of the horizontal and vertical angles using the alignment dial.



NOTE: How to use and view the sniper viewfinder when facing the unit

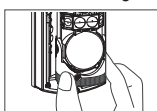


< Vertical alignment >



Turn the vertical alignment dial with a screwdriver to make alignment

< Horizontal alignment >

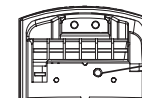


Turn the horizontal alignment dial by fingers to make alignment

- ② Checking the indicator LED and fine alignment.

Checking of the indicator

- After the rough alignment using the sniper view finder, check the light receiving status by the Alignment / Level Indicator.



< Receiver >
Alignment / Level Indicator LED

Alignment / Level indicator LED	Beam interrupted	Beam received			
	ON	Fast blink	Slow blink	OFF	
	●	●●●	●●●	○	
Adjustment level	Realign		Fair	Good	Excellent
Monitor jack output	0 v ▷ 0.1 vDC		▷▷▷ 2.4 vDC	▷ 2.8 vDC	

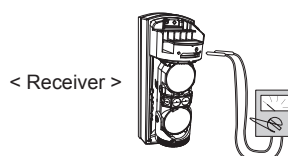
※ Good more than 2.4 VDC.

Fine adjustment with monitor jack

- After checking the receiver by using the LED indicator, perform fine alignment for both transmitter, then receiver, using the voltmeter until it reaches an output level above "Good".

Note>>

- When making the adjustments by the monitor jack, be careful not to cover the optical unit with your hand, the voltmeter pin cord, etc.



Set the voltmeter range to 5 to 10VDC and connect the voltmeter probes ⊕ and ⊖ to ⊕ and ⊖ of the monitor jack respectively.