

# **WDS DOUBLE OPTICAL**

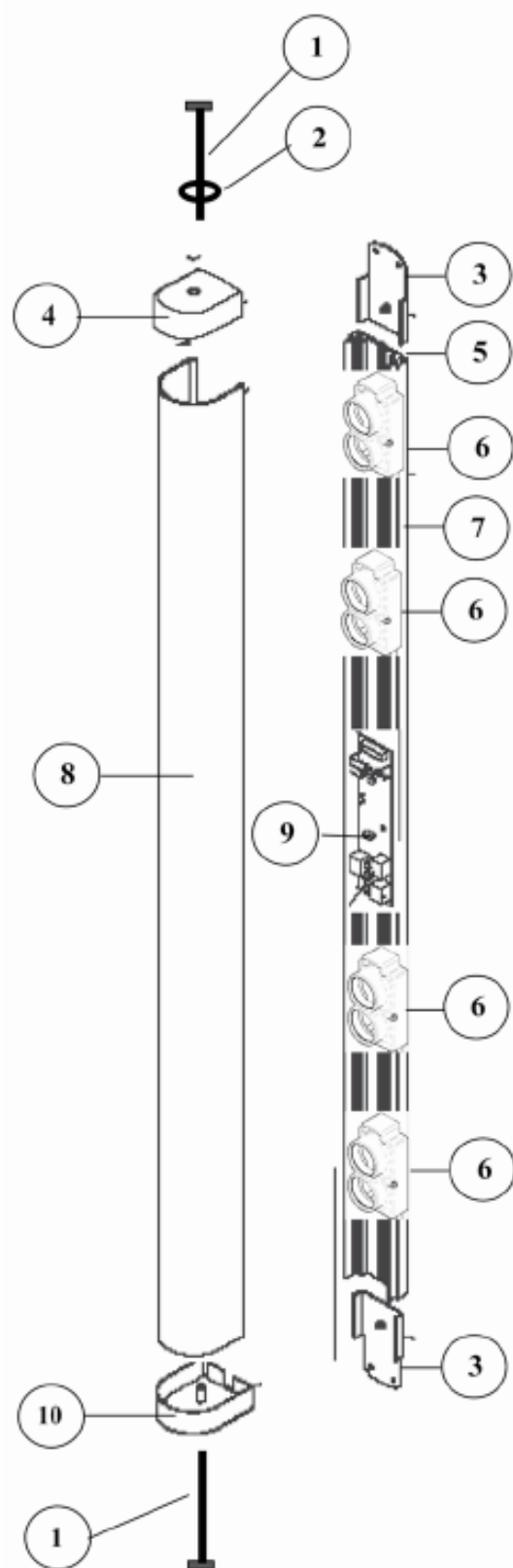
## **Installation Manual**





### **BARRIER COMPOSITION** (Version 20)

- |    |                                       |
|----|---------------------------------------|
| 1  | Upper / Lower CAP screws              |
| 2  | UPPER CAP O-RING screws               |
| 3  | WALL support brackets                 |
| 4  | Upper CAP                             |
| 5  | Anodised ALUMINIUM bar                |
| 6  | LENS unit (2 Lenses per beam)         |
| 7  | WHITE (Rx) – RED (Tx) spot            |
| 8  | I.R. POLYCARBONATE Front panel        |
| 9  | Tx or Rx MOTHER board                 |
| 10 | Lower CAP (with water drainage holes) |



### **INSTALLATION TIPS**

Remove the upper and lower barrier caps.

Fix the barriers to the wall or the pole with the special fixtures.

If possible, avoid positioning the receiver so that it faces the sun at dawn or sunset.

Make the electrical connections.

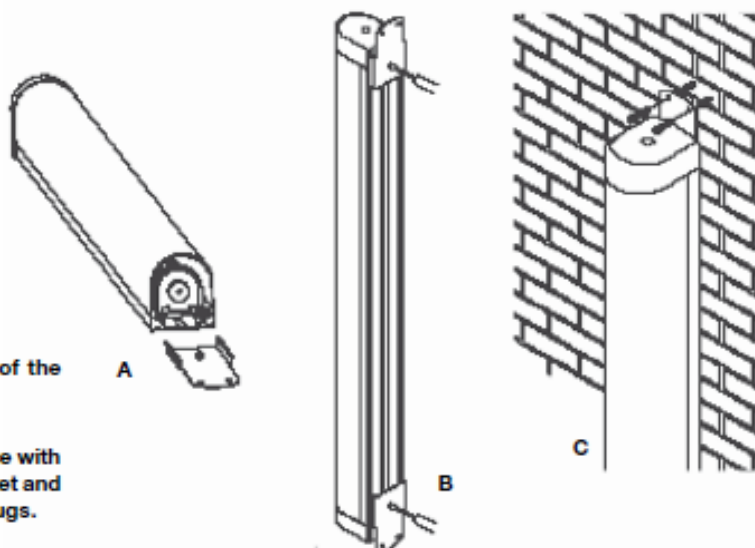
Make the alignment.

Check that there are no branches or other moving obstacles between the barriers.

Block the upper and lower cap with the special supplied screws.

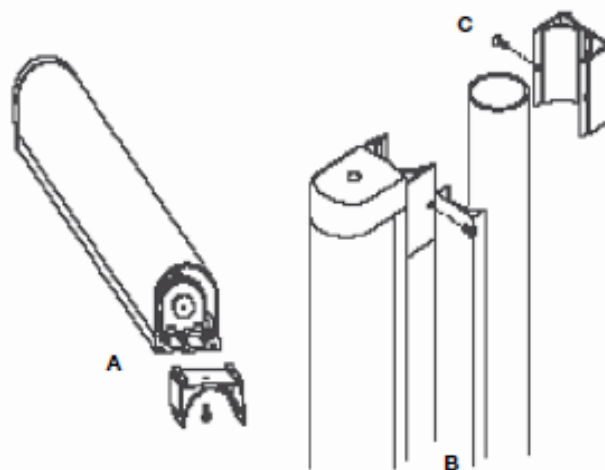
### **WALL MOUNTING WITH BRACKETS (DUAL KFP)**

- A) Insert the bracket in the rear guides of the aluminium bar
- B) Tighten the bracket-fixing screw.
- C) Drill holes in the wall in correspondence with the holes on the upper and lower bracket and fix the brackets to the wall with the plugs.



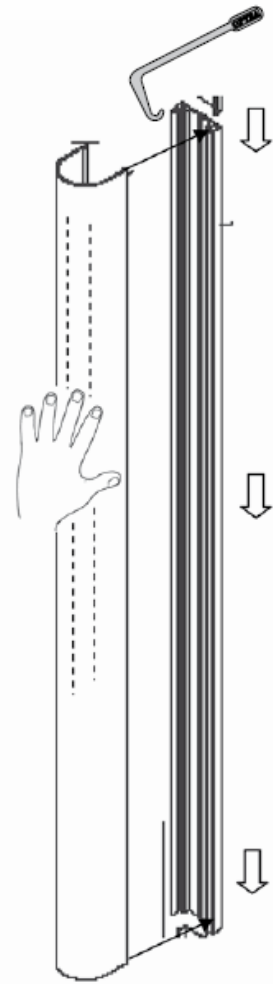
### **POLE MOUNTING WITH BRACKETS (DUAL STAF)**

- A) Insert the bracket in the rear guides of the aluminium bar and tighten the bracket-fixing screw.
- B) Fix the other part of the bracket with the special screws.
- C) Fix the barrier to the pole, tightening the screws on the upper and lower bracket.

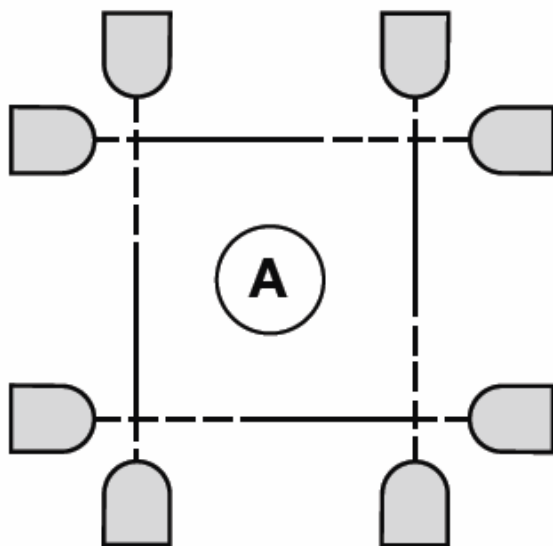


### **MOUNTING THE I.R. PLASTIC FRONT PANEL CONFIGURATION A**

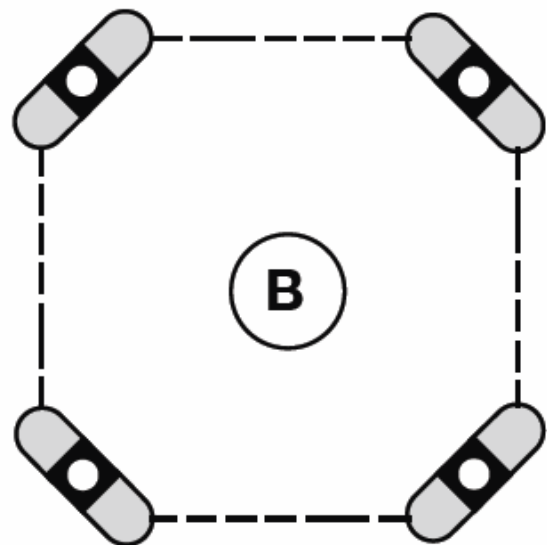
- 1) Place the I.R. profile on the barrier alongside the heating elements **PAYING ATTENTION** to the **CENTRAL TAMPER** lever.
- 2) Fix the profile along **ALL** of the aluminium profile on one of the 2 sides.
- 3) Insert the supplied tool from the other side of the I.R. profile, pulling it.
- 4) slide the tool downwards by pressing with the free hand on the profile.
- 5) After about 40-50 cm. press right down on the I.R. polycarbonate with your hand.
- 6) Repeat the operation until the polycarbonate is completely inserted.
- 7) Slide the tool out from the bottom and close, mounting the caps on the ends.
- 8) Remove the protective film from the front of the I.R. profile.



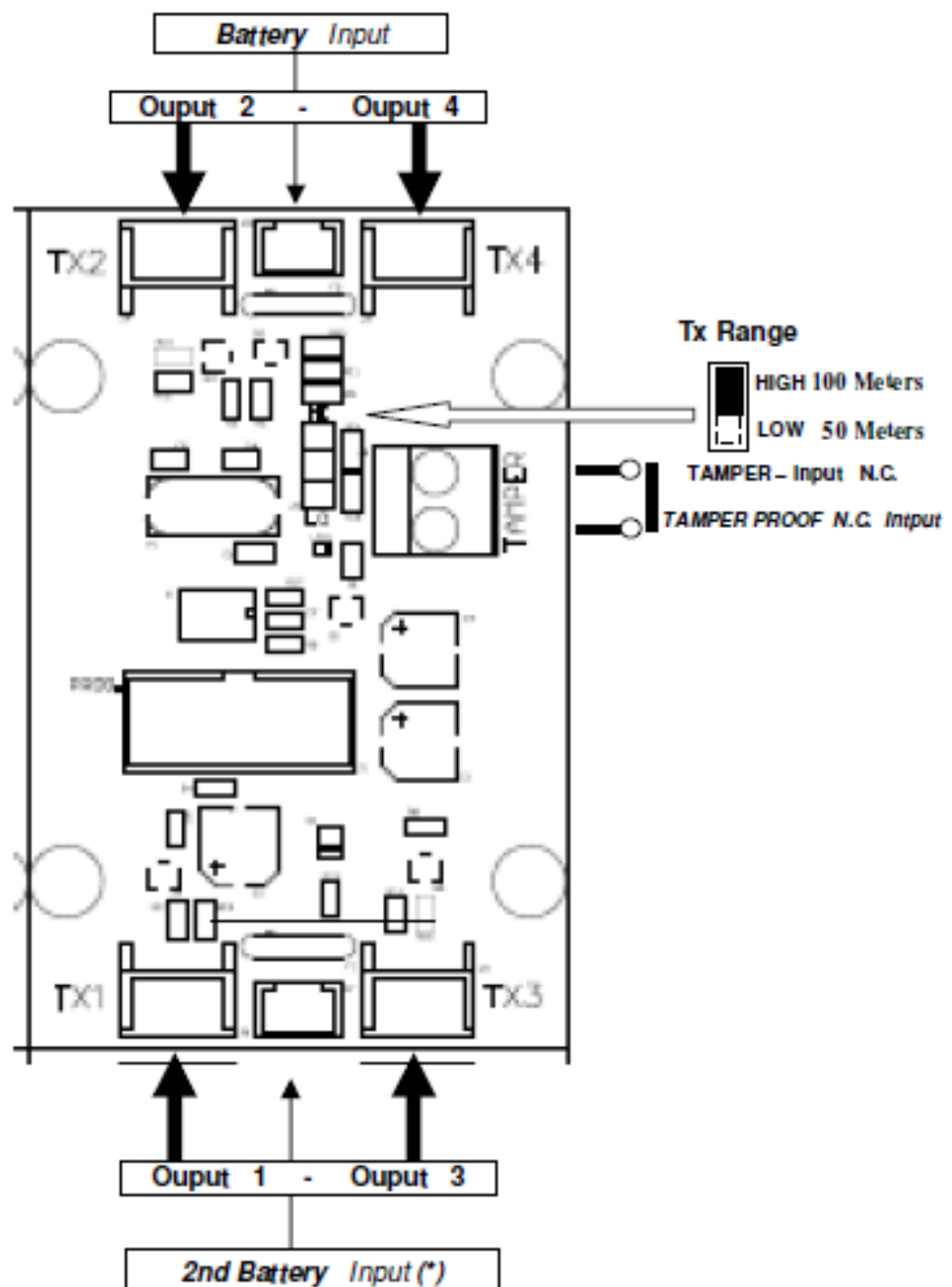
### **EXAMPLES OF INSTALLATIONS**



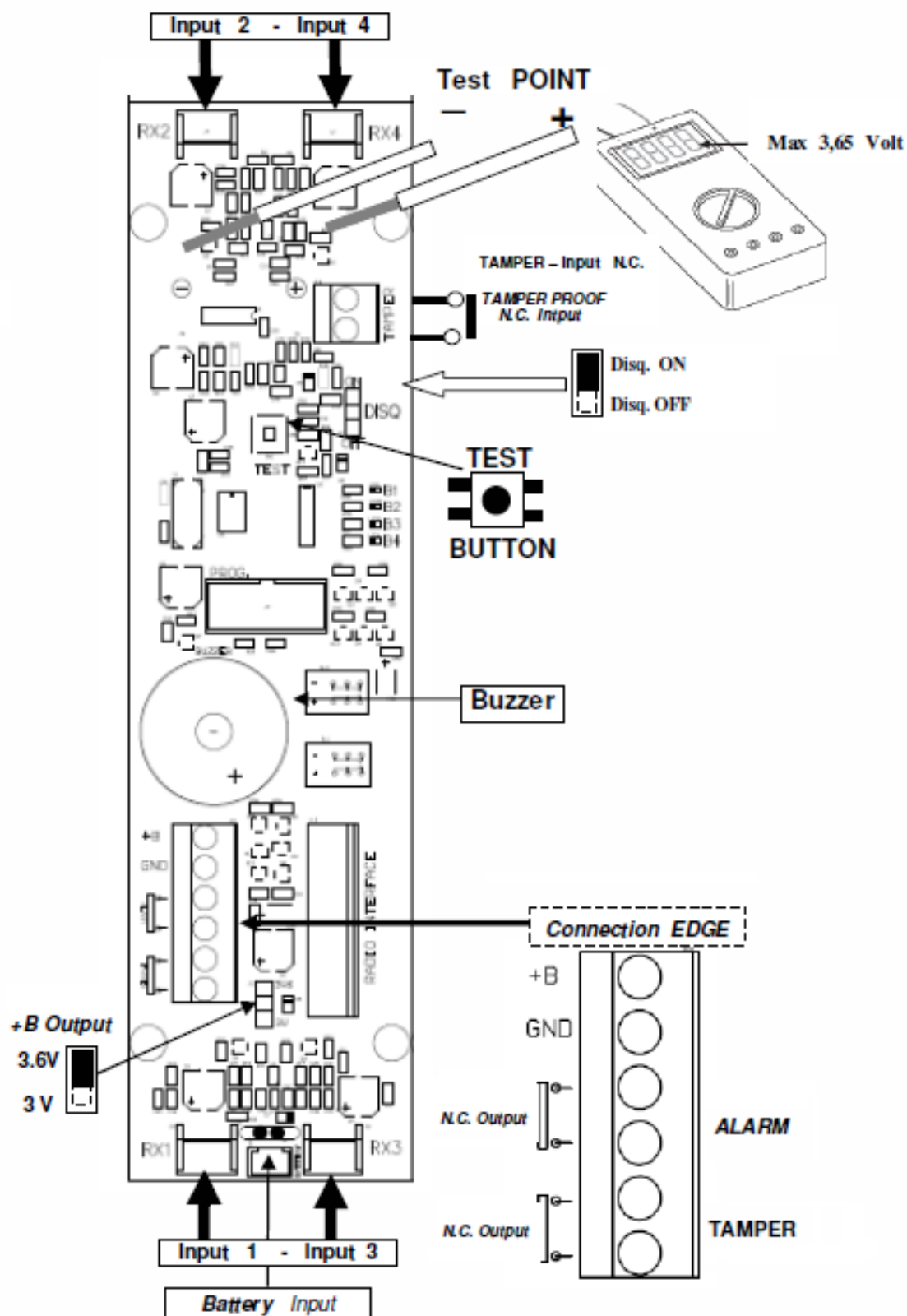
**CONFIGURATION  
with CROSSING BARRIERS**



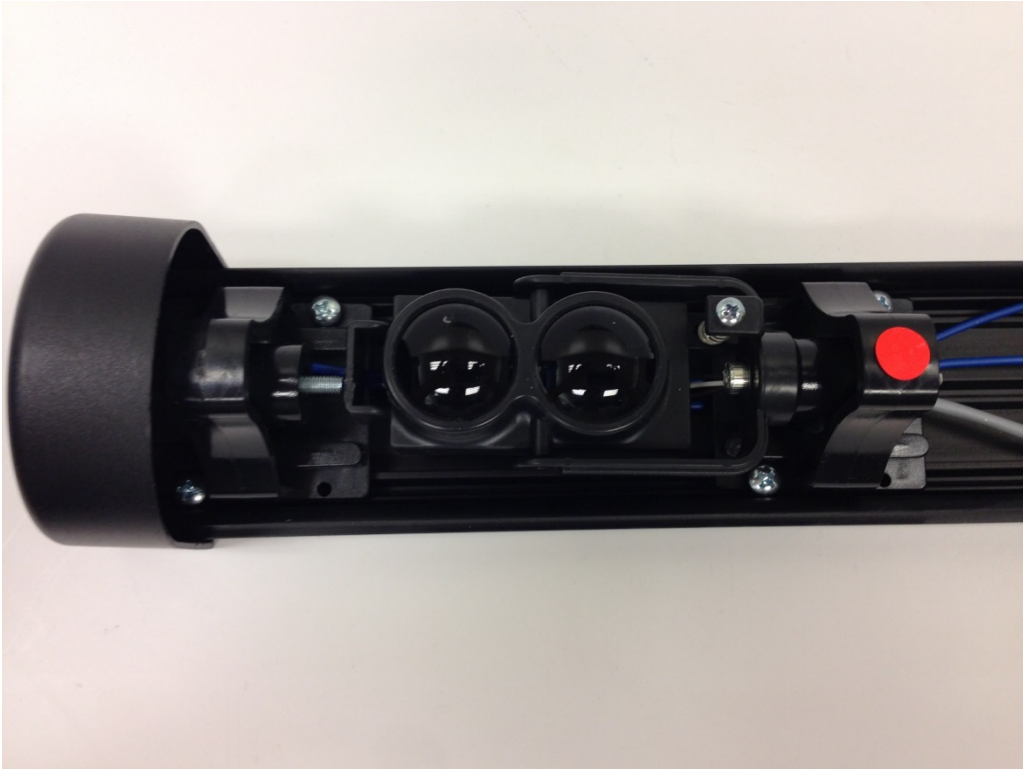
**POLE MOUNTING  
(perimeter protection)**



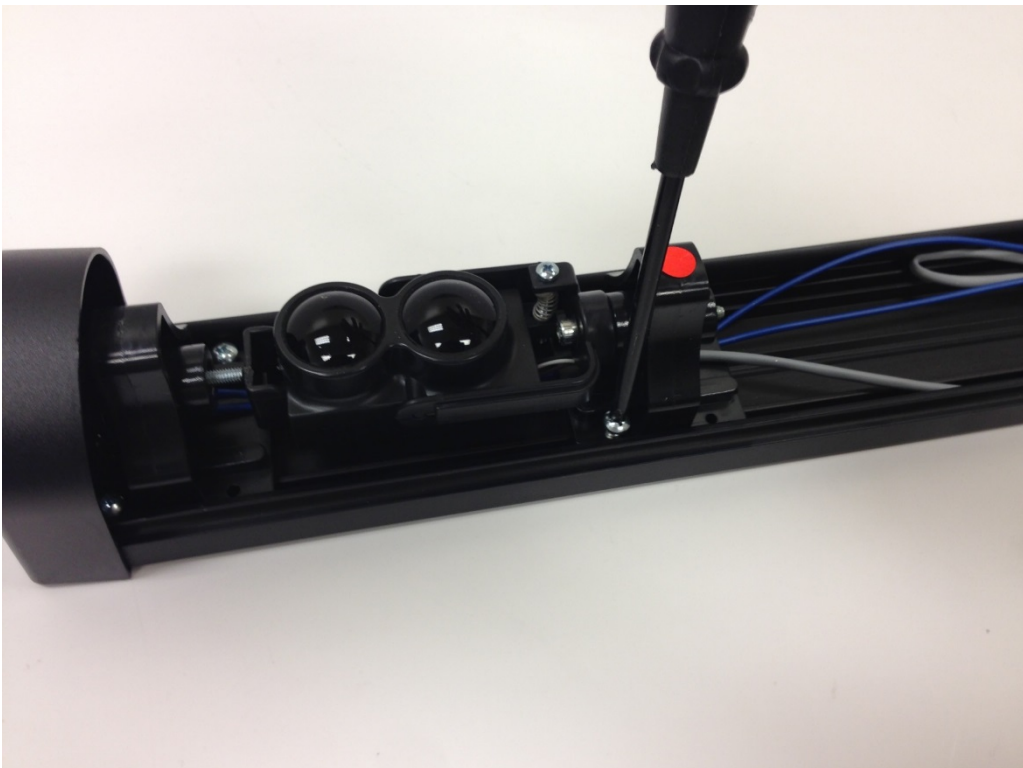
(\*) N.B.: 2<sup>nd</sup> Battery Mounted with 3 or 4 Beams Version



## SET-UP GUIDE



We need to change the height of the photo eye. In its current position, the photo eye will hit the screw, which can change the position of the photo eye.

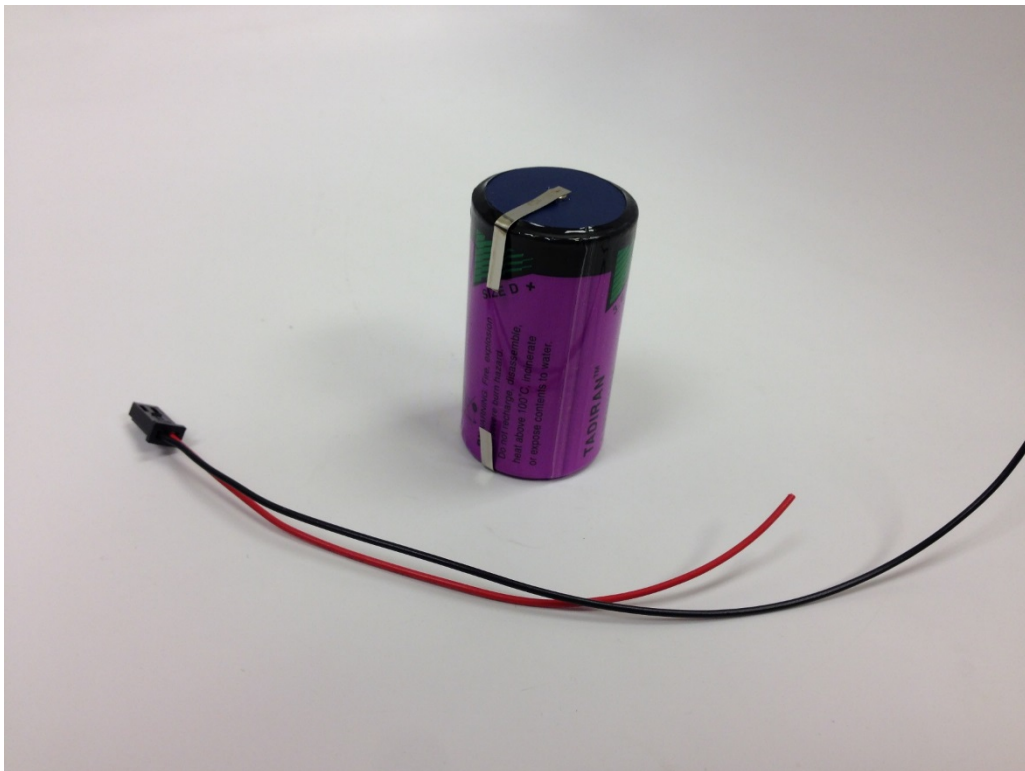


There are two screws located towards the bottom of the photo eye.

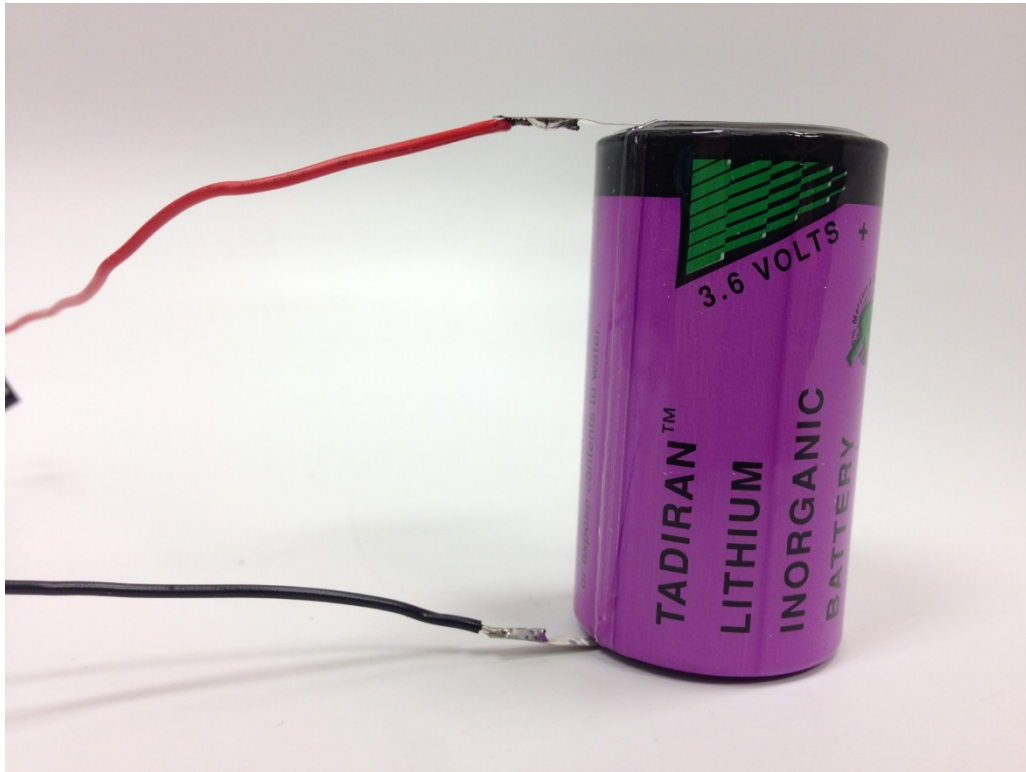




Unscrew these and reposition the photo eye to a proper position. Repeat the same step to the other mounting bracket. Be sure to match the heights of the adjusted photo eye



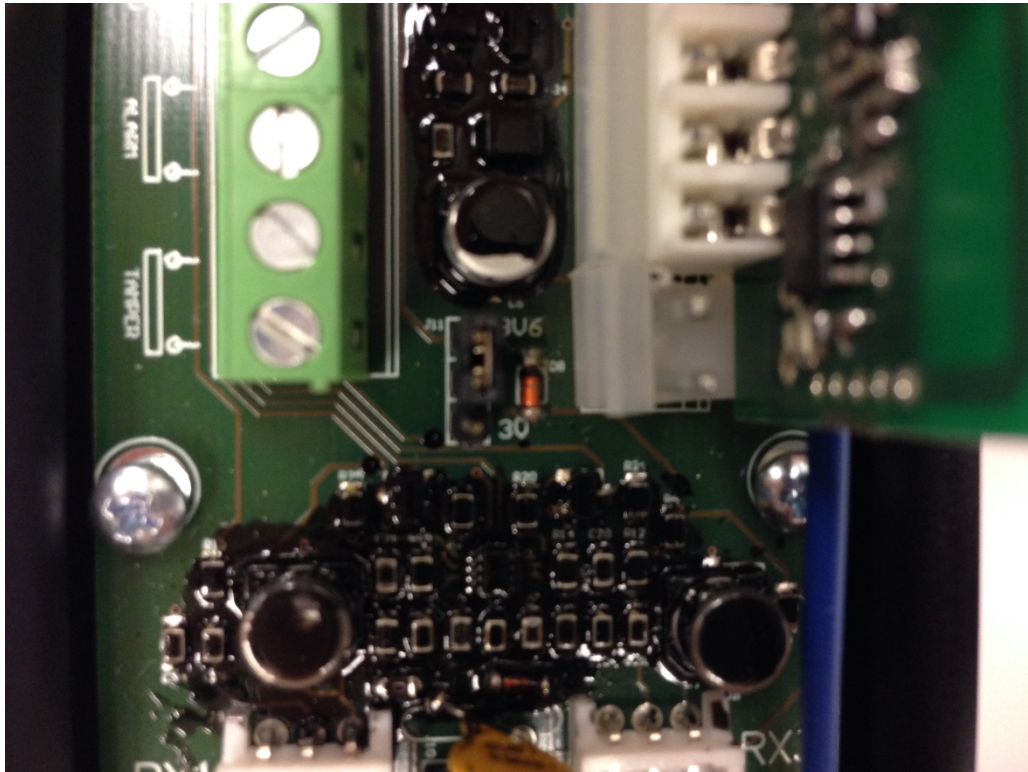
Next, the battery will require a little preparation. We will need to solder the wires to the metal on the battery.



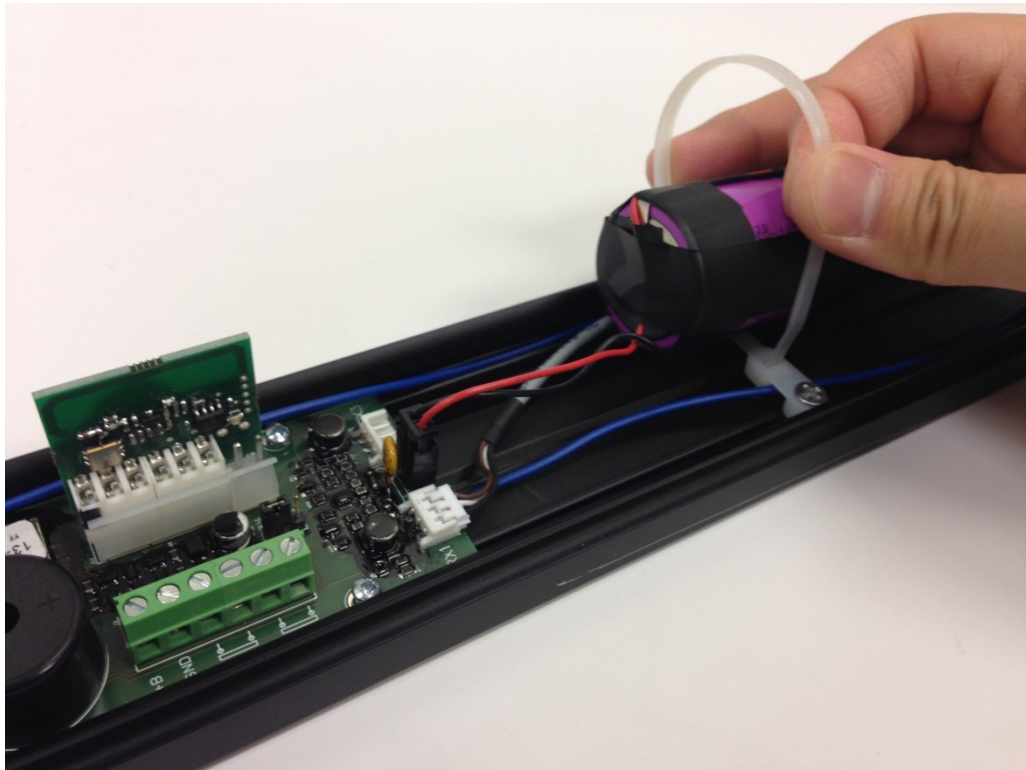
In this photo, we solder the red wire to the positive side of the battery and the black wire to the negative side to the battery.



Here we wrap the battery in electrical tape to secure the solder in the wires.

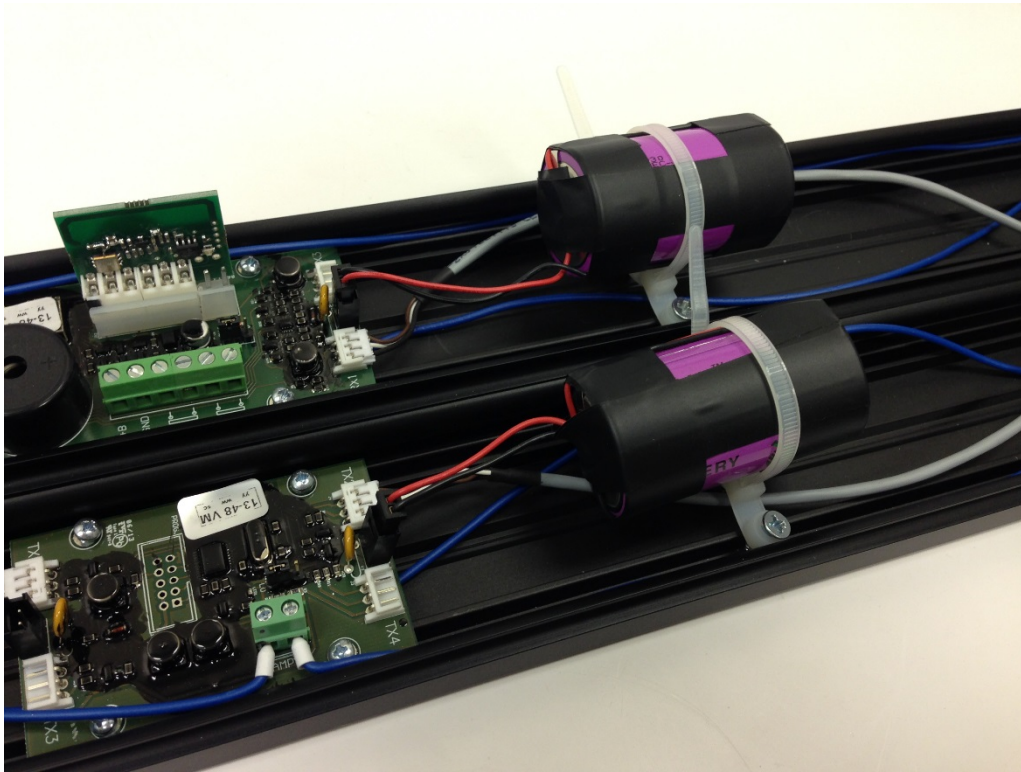


Make sure the jumper is switched to 3V6 for this battery.

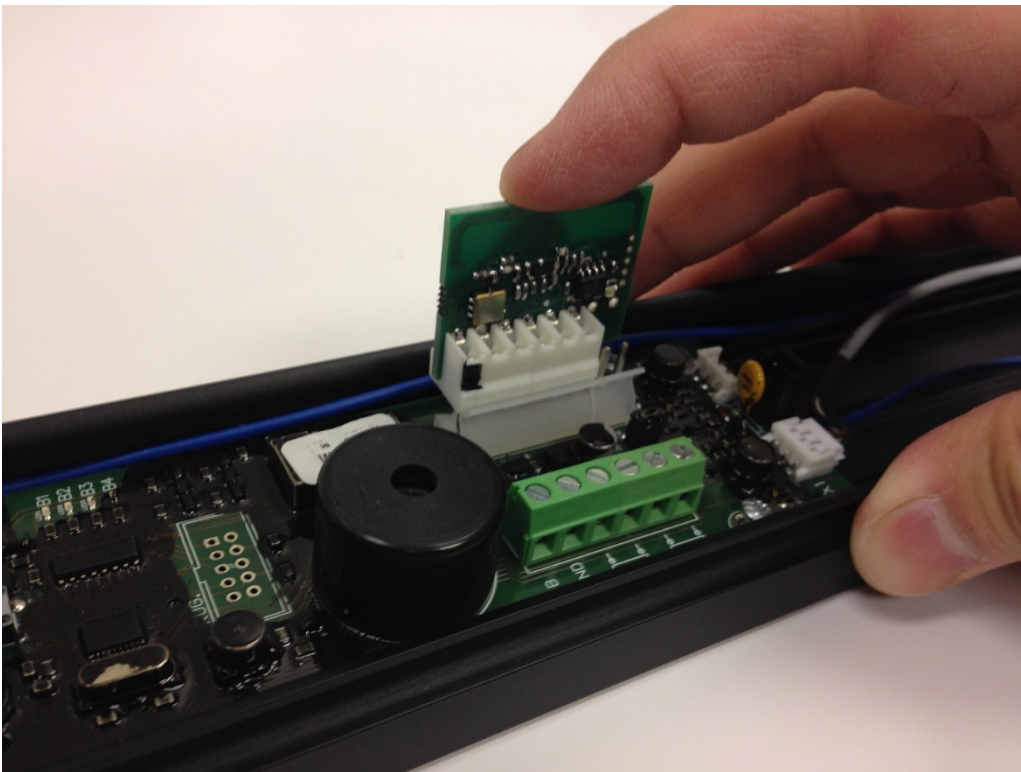


Next, plug in the battery into the barrier. The battery may also be secured by the zip tie provided by the barrier.

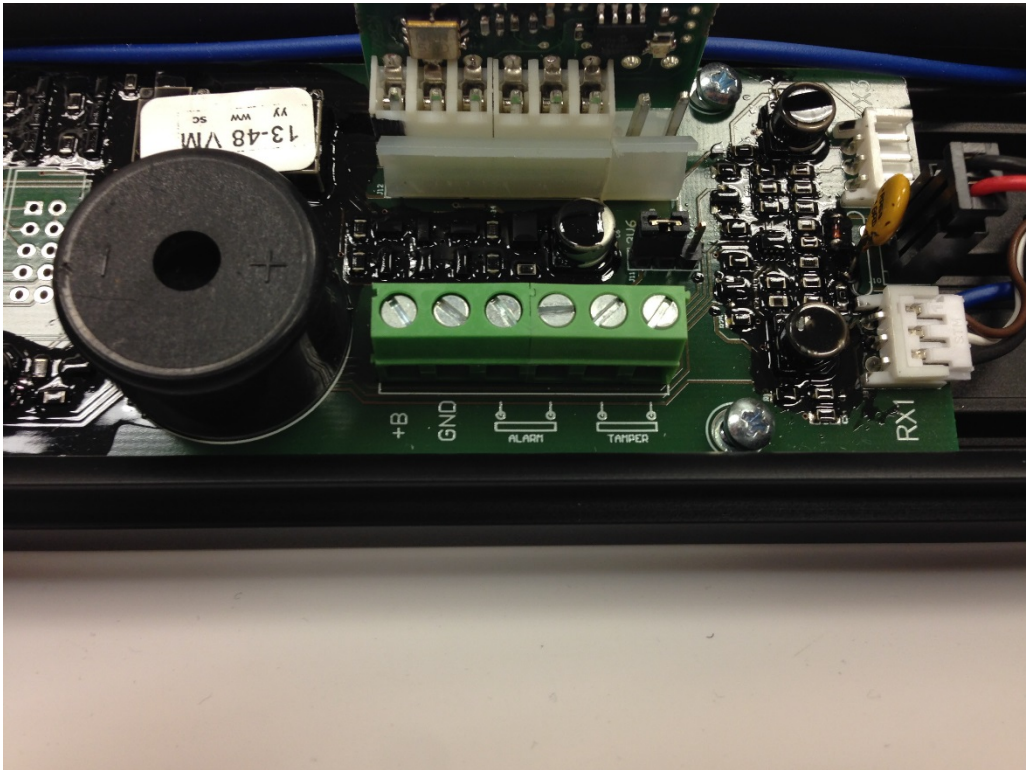




Here we have both batteries plugged into the barrier and secured by the zip ties.



This barrier has the option of installing a transmitter. When the barrier's alarm is activated, this transmitter will send a message to the receiver.



If not using the transmitter, the barrier has terminals for power (3V or 3.6V), alarm, and tamper that can be directly wired into.



- Press and hold the programming button to begin the alignment process.
- When you see lights, release the button until you hear beeping.
- At this point, you may move the barriers to align the beams.

- The faster the beeping, the stronger the signal.
- Press the program button to move to the next beam (B1 to B2 to B3 to B4)
  - Some barriers don't have a B3 and a B4. There will be no signal strength to adjust and the barrier will continue to beep slowly.
- Adjust your barrier to get the strongest signal possible.
- After pressing the program button past B4, you will have the opportunity to set the barrier to activate the alarm with one photo eye beam broken or two photo eye beams broken, etc.
- After a few seconds, the barrier will signal a solid beep and exit programming.



## **TRANSMITTER SOLUTIONS WARRANTY**

The warranty period of this Transmitter Solutions product is twelve (12) months. This warranty shall begin on the date the product is manufactured. During the warranty period, the product will be repaired or replaced (at the sole discretion of Transmitter Solutions) if the product does not operate correctly due to a defective component. This warranty does not extend to (a) the product case, which can be damaged by conditions outside the control of Transmitter Solutions, or (b) battery life of the product. This warranty is further limited by the following disclaimer of warranty and liability:

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