

# **WSA 8 BOX RELE**

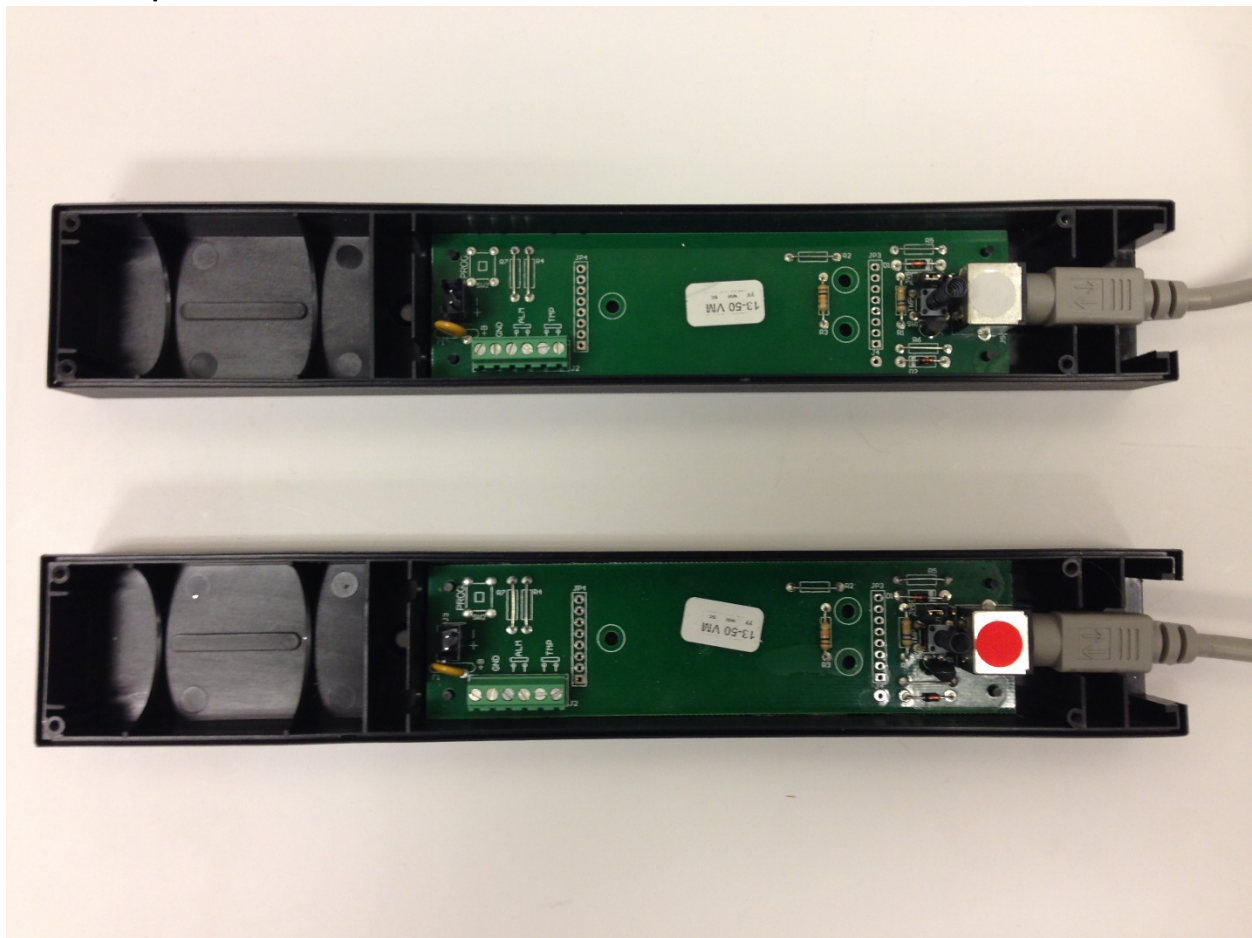
## **Installation Manual**



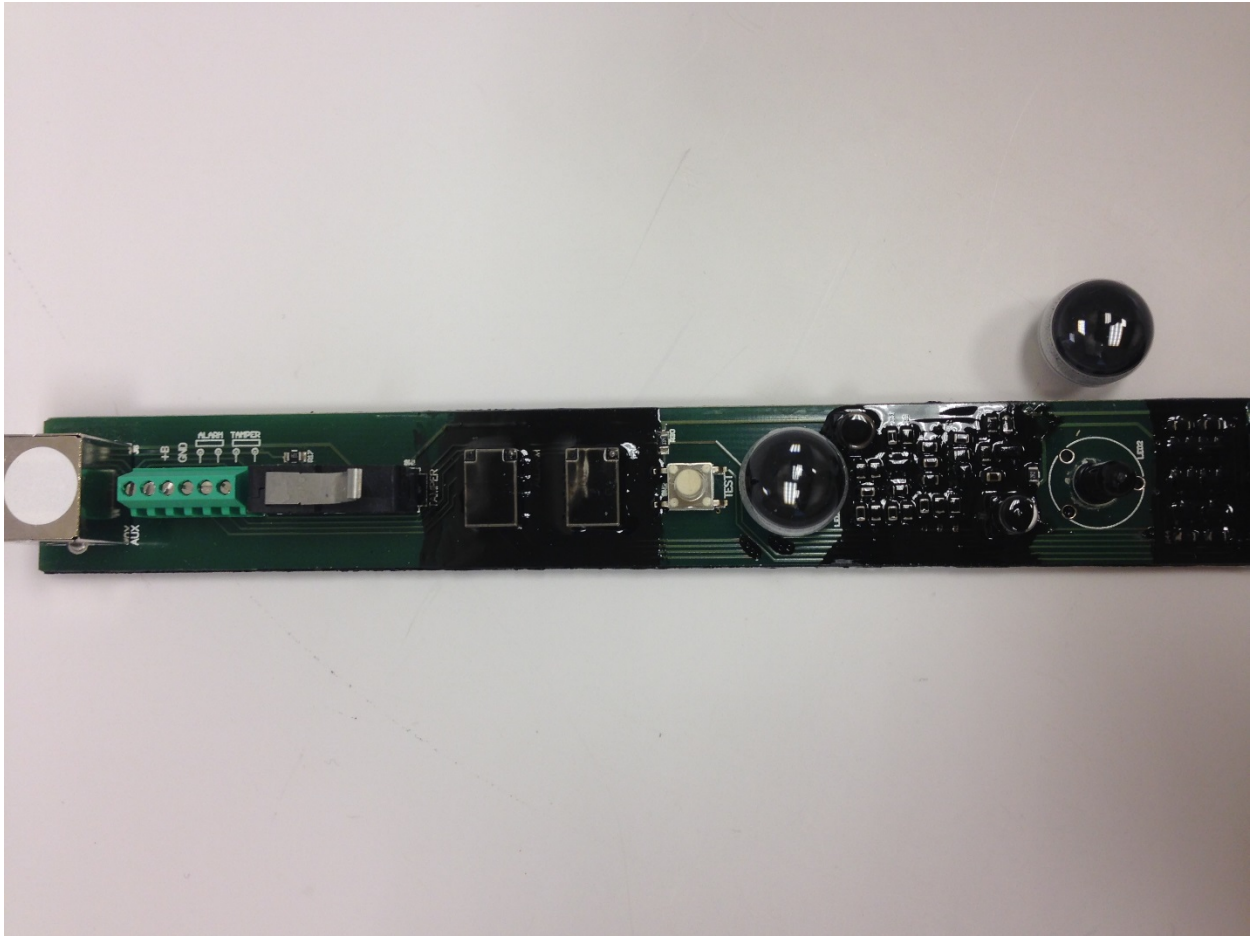
## Description:

The WSA Barrier consists of 2 aluminum bars containing electronics and 2 cases with battery adapters. The receiver and the transmitter are both supplied with double photo beams to ensure read accuracy. The radio interface should be connected only at the receiving side because of the transmitting side transfers its information to the receiver through the photo beams. In the receiver side we have alarm and tamper contacts (N.C). A voltage output of the battery at 3.6V or 3.0V. Information of low battery in the receiving or transmitting side is indicated by a beep when you break one or more photo beams. The barrier's photo beams are adjustable.

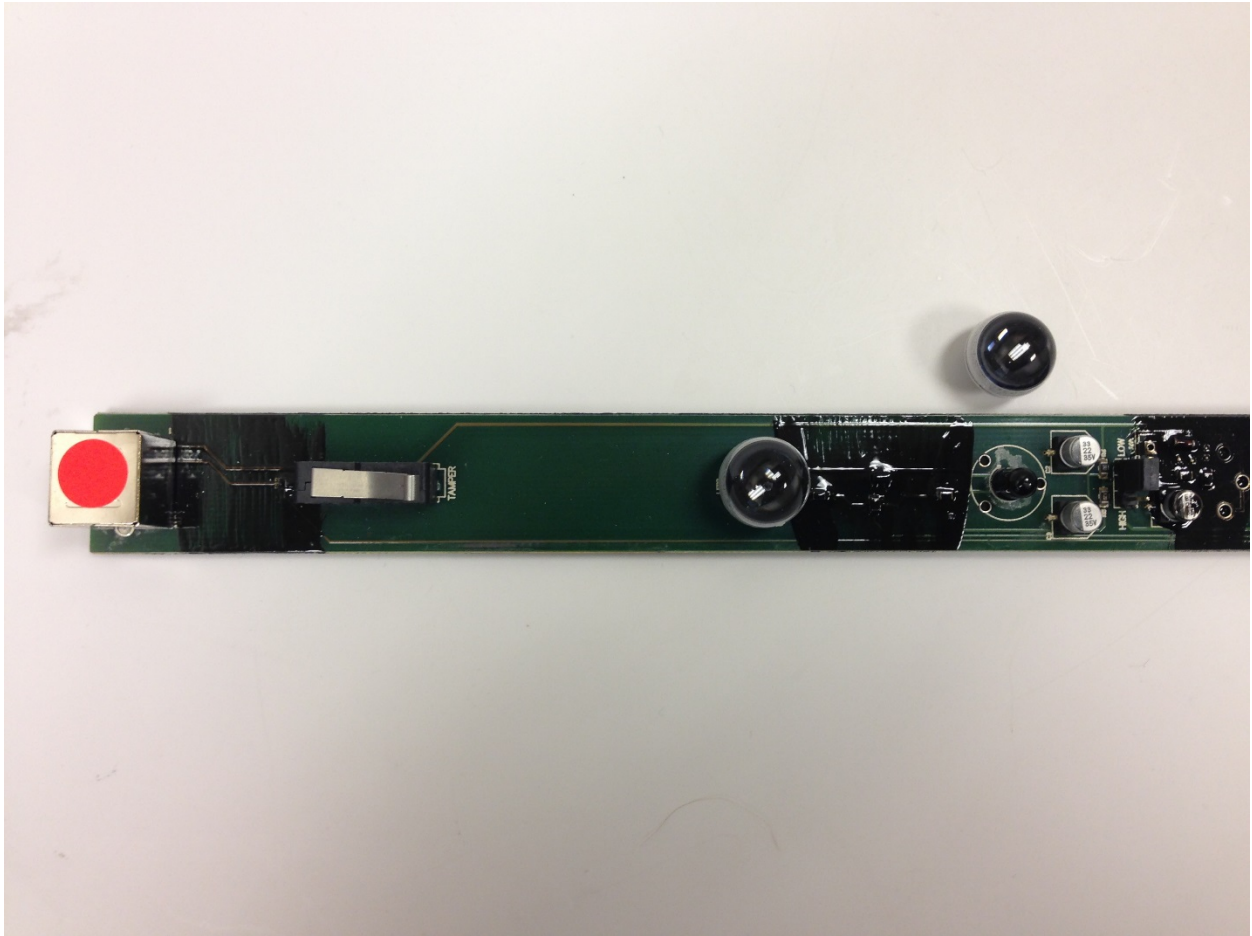
## Barrier Components



The WSA Battery Box has slots for battery and terminals that work when the cable is connected to the barrier. When using the terminals, use the terminals of the receiver (the side with the programming button [white sticker])



Barrier: Receiver components – On the receiver side, the terminals match the terminals on the battery box. The white button labeled as “Test” is the programming button. This picture also has two photo beams. One with the lens on and one with the lens off. We would take off the lens if the range between the barriers are less than 6 ft.



Barrier: Transmitting components – On the transmitting side. This picture has two photo beams. One with the lens on and one with the lens off. We would take off the lens if the range between the barriers are less than 6 ft.

**Barrier settings (Range adjustment)**

Optical Distance	Tx Jumper	Optic of the barrier
≤ 6 ft. (≤ 3 ft. White)	Low Position	Remove all lenses
≤ 16 ft. (≤ 10 ft. White)	Low Position	Leave all lenses
≥ 16 ft. (≥ 10 ft. White)	High Position	Leave all lenses

**Barrier Start-up**

1. Mount the barriers onto the wall using screws
2. Put the jumper of the Tx in high or low position based on the range
3. Connect the batteries to the circuit board
4. Switch the voltage jumper in the receiver side to 3V or 3.6V as needed
5. The transmitter and receiver, after 5 seconds of testing will stop flashing its LED and then it will function normally

You can connect a transmitter to the outputs of the battery box (receiver side). Closing Barriers and boxes will close the tamper terminals.

**Barrier Programming**

1. Press the program button for 5 seconds
2. The 2 red LEDs will flash and the barrier will automatically attempt to align
3. When the barriers stop beeping, it is aligned and after 5 seconds the one or two LEDs will trigger on
4. By pressing the button (The LEDs will toggle) you can choose to trigger the alarm with one or two photo beams.
5. By covering the rays, you can test each barrier. The barrier will make a sound when each photo beam is covered
6. After 10 seconds, the long beep will indicate that programming mode is over
7. At this point the barrier should be operating normally

**Main Features**

Optical Range	2ft – 30ft (15ft max White model)
Battery life	> 5 years with 19 AH batteries
# of photo beams	2 – 8
# of photo beams required for alarm	1 or 2
Trigger time	.5 seconds
Turn on time	5 seconds
Outputs Alarm/Tamper	Dry relay contact @ .5A – 24 VAC
Power supply	2 Lithium batteries 3.6V – 19Ah
Working temperature	-15°F - 130°F
IP Grade	IP44

## **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:

EXCEPT AS SET FORTH ABOVE, TRANSMITTER SOLUTIONS MAKES NO WARRANTIES REGARDING THE GOODS, EXPRESS OR IMPLIED, INCLUDING WARRANTY OF MERCHANTABILITY OR WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. BUYER MAKES NO RELIANCE ON ANY REPRESENTATION OF TRANSMITTER SOLUTIONS, EXPRESS OR IMPLIED, WITH REGARD TO THE GOODS AND ACCEPTS THEM "AS-IS/WHERE-IS". TRANSMITTER SOLUTIONS SELLS THE GOODS TO BUYER ON CONDITION THAT TRANSMITTER SOLUTIONS WILL HAVE NO LIABILITY OF ANY KIND AS A RESULT OF THE SALE. BUYER AGREES THAT TRANSMITTER SOLUTIONS SHALL HAVE NO LIABILITY FOR DAMAGES OF ANY KIND, WHETHER DIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING INJURIES TO PERSONS OR PROPERTY, TO BUYER, ITS EMPLOYEES OR AGENTS, AS A RESULT OF THE SALE. BUYER ALSO AGREES TO HOLD TRANSMITTER SOLUTIONS HARMLESS FROM ANY CLAIMS BUYER, OR ANY THIRD PARTY, MAY HAVE AS A RESULT OF BUYER'S USE OR DISPOSAL OF THE GOODS. BUYER HAS READ THIS DISCLAIMER AND AGREES WITH ITS TERMS IN CONSIDERATION OF RECEIVING THE GOODS.



7380 S. Eastern Avenue, Suite 124-320 • Las Vegas, NV 89123  
(866) 975-0101 \* (866) 975-0404 Fax  
[www.transmittersolutions.com](http://www.transmittersolutions.com)