

PRX Series Proximity Voltage Detectors

Battery Replacement Instructions

HDE's PRX Series Proximity Voltage Detector Battery Replacement Kit consists of one overlay, one battery with tape attached and three switch plungers. To change the battery, follow these instructions:

1. Carefully remove the overlay of the PRX (Figure 1) and discard. Remove the switch plungers and set aside in a safe place, you will need them once the battery replacement is complete. Spare plungers have been included in the battery replacement kit if needed.



Figure 1

2. Once the overlay is removed, remove the two screws on the front of the instrument. Then carefully use a screwdriver to slide the chassis out of the housing (Figure 2).



Figure 2

3. Clean the front surface of the housing to remove any adhesive that may still be on the instrument. Adhesive remover or rubbing alcohol is recommended. If using adhesive remover, make sure the housing is cleaned with alcohol so no oily residue remains.

4. Once the chassis is removed, carefully lift up the shielding, unplug the battery and remove it (Figure 3). Be careful while doing this so no damage is done to the board.

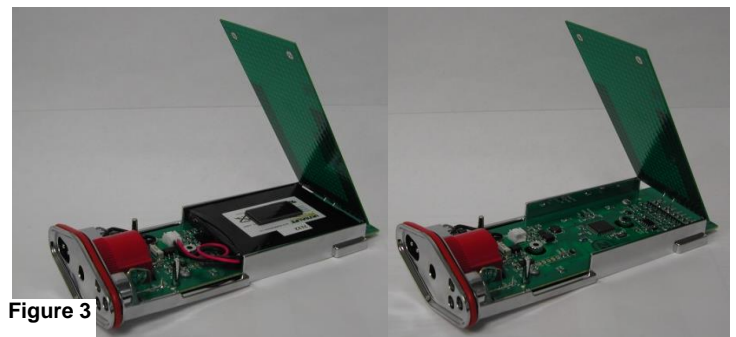


Figure 3

5. Replace the battery with the new one supplied in the kit. The battery has a polarized locking connector and can only be plugged in one way (Figure 4). Make sure the connector snaps into place on the board.



Figure 4

6. After the battery has been replaced, remove the backing from the tape on the battery, close the chassis and slide it back into the housing. Be careful when closing the chassis so the two standoffs remain in the upright position.



Figure 5

7. Insert the screws so they are flush with the housing – do not overtighten. Place the switch plungers into the housing in the locations they were removed from (Figure 5).

8. Test the PRX by pressing the ON/OFF button and verifying that the PRX turns on all voltage range lights one at a time from the lowest range to the highest, returns to the lowest range and then turns on the voltage indicating lights and beeper. If the PRX stays on following this test it has passed the self-test. If the PRX test is not successful, check to make sure the battery is installed correctly (see Step 5). If the PRX test is still unsuccessful, charge the battery and perform the test again. If the self-test continues to be unsuccessful, contact HDE.



Figure 6

9. Remove the paper liner from the back of the new overlay (including the switch plunger locations) and place the overlay onto the housing of the PRX (Figure 6). Once it is aligned, press it into place to secure the overlay onto the housing.

10. Before using the PRX the new battery should be charged (Figure 7). Charge the PRX using the charger cord. Charge is indicated on the face of the unit by the voltage range lights turning on in sequence. A full charge can take up to three hours. When the charge is complete only the highest voltage range light will remain on. After three hours, this light will turn off. The PRX battery cannot be overcharged.



Figure 7

If there are any questions regarding the PRX battery replacement procedure, please contact HD Electric.