

# OPERATING THE HAND HELD TEST RADIO

## WITH TROUBLE SHOOTING PROCEDURE

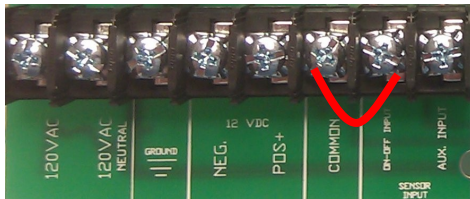


The handheld test radio is powered by 12volt plug attached to the unit. If your system has only one transmitter and one receiver this radio will help you determine which one is bad. Put the Hot Shot Transmitter into Beacon Mode ( See *Operating the test beacon below*). The transmitting LED on the transmitter will flash 4 times every 10 seconds. If the Transmitter is operating correctly you will hear the transmissions on the test radio. (*It will sound just like touch tones on a telephone every 10 seconds.*) If the Transmitter is good, leave it in Beacon mode and now go to the receiver to check its operation.

With the Transmitter still in Beacon mode make sure the Receiver is powered on. Now watch the strobe LED, if it is receiving the signal from the Transmitter it will flash 4 times just like the transmitting LED on the Transmitter every 10 seconds. In Beacon Mode the Receiver's relay will come on for 10 seconds and then off for 10 seconds if the Receiver is operating correctly. If the Receiver's Strobe LED is doing any long flashes every 10 seconds which indicates a wrong System Code *see STROBE LED operation below*. If the Receiver's strobe is not blinking every 10 seconds but you can hear the transmissions on the test radio then the Receiver is faulty. Please send in for repair or replace it. If the Receiver's Strobe is flashing 4 times every ten seconds but the relay is not turning on and off make sure the Unit # switches are set correctly on the Receiver to match the Input on the Transmitter. Refer to Unit # Switches in the Receiver manual. For further questions please call Tech Support at 785-623-1500.

### OPERATING THE TEST BEACON

The Test Beacon function is turned on and off by using FUCNTION SWITCH #8 (see above). **This feature is used for testing and range finding purposes only.** To activate the Test Beacon first turn OFF the power to the transmitter. Turn function switch #8 on and connect a small jumper wire from the **ON-OFF INPUT** terminal to the **COMMON** terminal and then turn the power back ON to the transmitter. *See diagram below.* When turned ON the Transmitting LED will blink and the code will be transmitted every 10 seconds cycling the receiver's relay. **DO NOT have the receiver wired up to the pump** during this procedure because it will continually open the relay for 10 seconds and then close the relay for 10 seconds causing damage to the pump. **Function switch #8 must be turned OFF and the jumper wire removed for the transmitter to operate normally.**



**Trans Terminal Strip**

### STROBE LED OPERATION

Used for troubleshooting, this LED flashes once for each of the four correct digits of the code received. The LED will stay on steady for one second if an incorrect digit of the code is received. *Example: If the LED flashes two times and then goes on steady it is indicating that the third digit doesn't match. If the LED flashes one time and goes on steady it is indicating that the second digit doesn't match. If the LED comes on steady right away it is indicating that the first digit doesn't match.*