

# TROUBLE SHOOTING A SKY-CON & SKY-CONTH REMOTES FOR OPERATING VALVES WITH ON/OFF LATCHING SOLENOIDS

1. Make sure batteries are installed properly in the transmitter and receiver. Make sure that the transmitter is within the 20' – 25' range of the receiver.
2. Check to make sure the transmitter is communicating with the receiver.
  - If the receiver beeps when the “ON/HI” or “OFF/LO” buttons are depressed on the transmitter then the transmitter is talking to the receiver.
  - If the receiver does not beep when the “ON/HI” or “OFF/LO” buttons are depressed on the transmitter, you will need to “LEARN” the transmitter and receiver.

## “LEARN”:

- Press and release the “LEARN” button, you should hear a “BEEP”.
  - Then push the “ON/OFF” button within 5 seconds; you should hear several “BEEPS”.
2. To check this unit for proper operation, check the following:
    - To check the receiver use a multimeter and set it to DC volts, connect the leads to the outlet block on the receiver, when you depress the “ON” or “OFF” buttons you should read about 6.4 DC volts Max. If the voltage is less than 4.0 volts you should replace the receiver batteries.
    - If the transmitter is sending a good signal the LED will have a flicker. (Heart Beat) If the LED signal is steady there is a problem with the transmitter.
  3. Make sure that the receiver is not installed in or behind an enclosed metal chamber or door, or in an area that exceeds 130 degrees F.
    - This condition can cause the RF signal to get lost and not communicate with the receiver.
    - This condition will also cause the working distance to be shorter than normal.
    - Areas that exceed 130 degrees F will cause the battery life to be short and the heat will damage the receiver. This is not a warranty condition.
  4. If the valve isn't opening or closing, check to see if you can open or close it with a 9-volt battery.
    - Take the receiver wires off of the valve.
    - Take your 9-volt battery and put your positive (+) to one terminal and your negative (-) to the other, this should drive your motor HI or LOW. To go the other way, turn the battery the other way.
  5. Contact Skytech Products Group @ 855.498.8324 or email [support@skytechpg.com](mailto:support@skytechpg.com) if you need additional information.

