315 MHz to 915 MHz Upgrade kit

(97-15038-00)
for use with Fiberstars and S.R. Smith WIR-TRAN product only

Installation Instructions: Read these instructions in their entirety before performing any installation work.

DANGER – FAILURE TO FOLLOW THESE WARNINGS, INSTRUCTIONS AND THE OWNER'S MANUAL MAY RESULT IN SERIOUS INJURY OR DEATH

WARNING

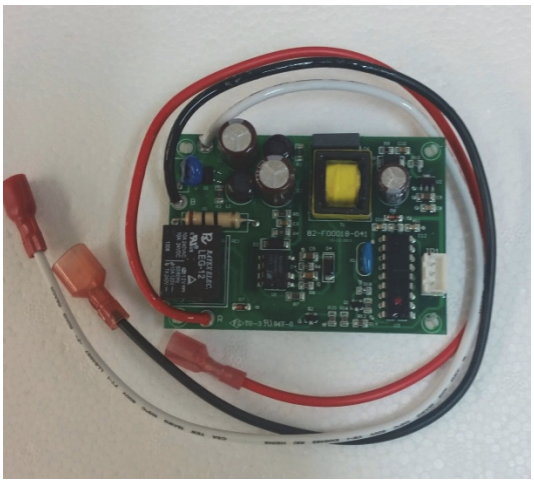
- TURN OFF INCOMING POWER BEFORE SERVICING EQUIPMENT.
- ALL INSTALLATION AND MAINTENANCE WORK MUST BE PERFORMED BY QUALIFIED ELECTRICAL PERSONEL ONLY.

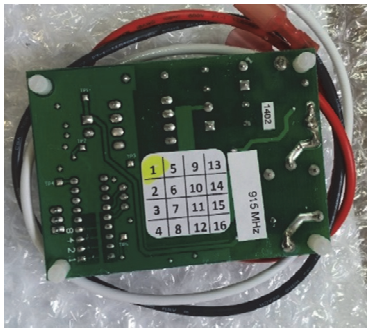
The 315 MHz to 915 MHz upgrade kit contains the three main components of the RF Remote Control System used in the one channel WIR-TRAN product. All three parts are required to be replaced as a complete set. They are not compatible with any of the older 315 MHz parts.

A blank Code Label is provided. This label must be attached to the inside of the WIR-Tran enclosure for future channel/code identification.

Back of Remote includes a label which identifies the channel/code.

Hand Held Transmitter (Remote)





Back side of PCB includes a label to identify:

- the operating frequency (915 MHz)
- The channel/code.

Receiver PCB

The back side of the Antenna includes a label identifying its frequency: 915 MHz

Antenna / Repeater

Installation Steps:

1. Disconnect or shut off input power to the WIR-Tran unit.
2. Remove the new 915 MHz Transmitter and Receiver PCB from the package. Compare the codes to ensure they are matched. This information is located on labels attached to the back of the parts. The code on the Receiver PCB cannot be changed. If there is a mismatch, the code on the Transmitter (Remote) must be changed to match the Receiver's code. Refer to page 4 of this document for the code table.
3. Remove the upper cover plate by removing two Phillips head screws at the bottom of the cover plate, then push up on the release tab over the top middle. The cover plate will lift off easily – set aside.
4. Locate the Receiver PCB, identifiable by the barbed stand-off mounting pins and antenna cord termination.
5. Disconnect antenna cable from the original Receiver by unplugging the 3-wire connector on the board. Fully loosen the waterproof strain relief fitting that the antenna cord passes through and gently work the cable out to the exterior of the unit.
6. Locate and mark the three wires connected to the original Receiver in the unit (black, white, red). Due to the variety of installations and units, the connectors on the ends of the new Receiver may not match the original. If this is the case, the connection may be completed by cutting the connector off of the matching wire, allowing space to strip the wire, and connecting the wires with a wire nut or crimp connector.
7. With wires located and marked, remove the old Receiver PCB by squeezing the stand-off barb with needle nose pliers while gently pulling up on the board. Repeat for all stand-off pins.
8. One wire at a time, disconnect (or cut if required) the three wires connecting the old Receiver and connect the new Receiver. Black for black, white for white, and red for red.
9. Once the old Receiver is disconnected, set aside with the original Transmitter (Remote). The new Receiver must be wired complete. Re-mount the Receiver PCB board in the same place and manner as the original with the four stand-off pins.

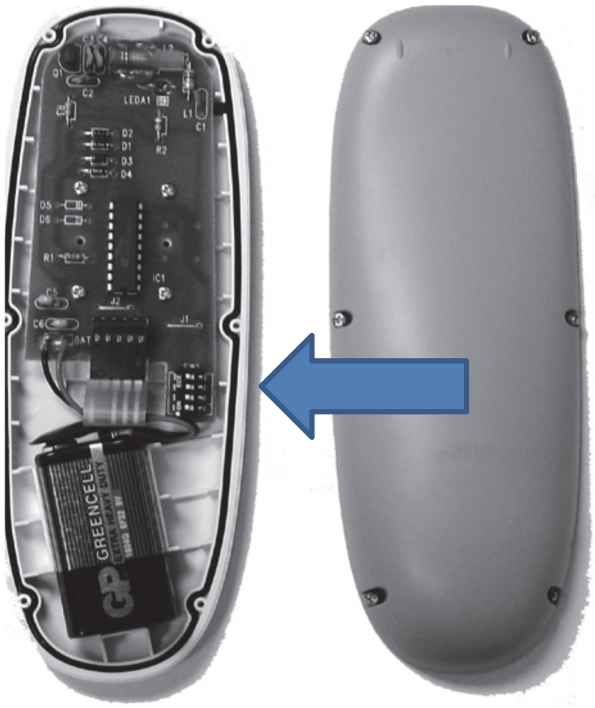
   NOTE: It is very important to mount the new PCB board with the four stand-off pins. These pins secure the PCB and provide the required electrical insulation from the metal chassis.

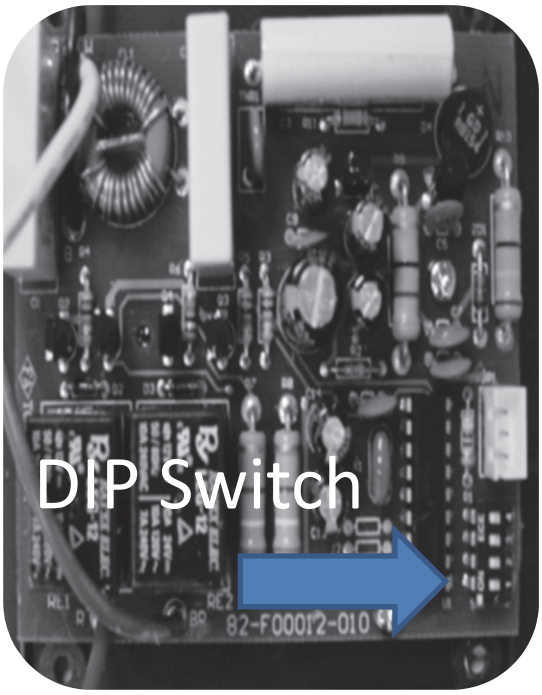
10. Locate original antenna and pry off the dome portion from the snap-in mounting base and set aside with the original Transmitter and Receiver.

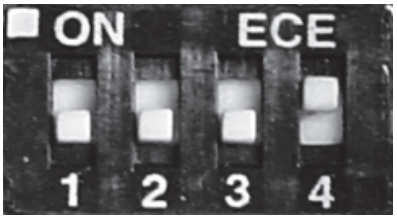
    NOTE: Do not damage the base as this will be used to mount the new antenna dome.

11. Gently thread the antenna connecter back through the waterproof strain relief fitting, route to the new Receiver and plug it into the matching plug on the board. Tighten the compression fitting to seal the strain relief.
12. Confirm that all wires are reconnected properly and in a safe manner. Re-connect power to the WIR-TRAN and test operate the remote system. Replace the cover plate.
13. Attach supplied blank Code Label to the cover plate. With a permanent marker, identify the operating channel of the Transmitter (Remote) and Receiver for later reference.

14. Confirm proper operation and review with owner. Bag up the original 315MHz parts (Transmitter, Receiver, Antenna) and dispose of in a proper manner per local county regulations.







DIP Switch	1	2	3	4
Channel 1	OFF	OFF	OFF	OFF
Channel 2	ON	OFF	OFF	OFF
Channel 3	OFF	ON	OFF	OFF
Channel 4	ON	ON	OFF	OFF
Channel 5	OFF	OFF	ON	OFF
Channel 6	ON	OFF	ON	OFF
Channel 7	OFF	ON	ON	OFF
Channel 8	ON	ON	ON	OFF
Channel 9	OFF	OFF	OFF	ON
Channel 10	ON	OFF	OFF	ON
Channel 11	OFF	ON	OFF	ON
Channel 12	ON	ON	OFF	ON
Channel 13	OFF	OFF	ON	ON
Channel 14	ON	OFF	ON	ON
Channel 15	OFF	ON	ON	ON
Channel 16	ON	ON	ON	ON