



315MHz to 915 MHz Upgrade kit **(97-15037-00)**

**for use with Fiberstars and S.R. Smith
WPC1, WPC2 & PT-6000 based units only**



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

**Installation Instructions: Read these instructions in their entirety before performing any installation work.
Use all three upgrade components provided for compatibility.**

WARNING

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



The 315MHz to 915MHz upgrade kit contains the three main components of the RF Remote Control System used in the 2-channel WPC1, WPC2, and PT-6000 products. All three parts are required to be replaced as a complete set. They are not compatible with any of the older 315MHz parts.



Hand Held Transmitter (Remote)



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

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



Receiver Module

Location of DIP switches for Channel matching:

- Code table on page 4



Side of housing includes a label to identify:

- the operating frequency (915 MHz)



Antenna / Repeater

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

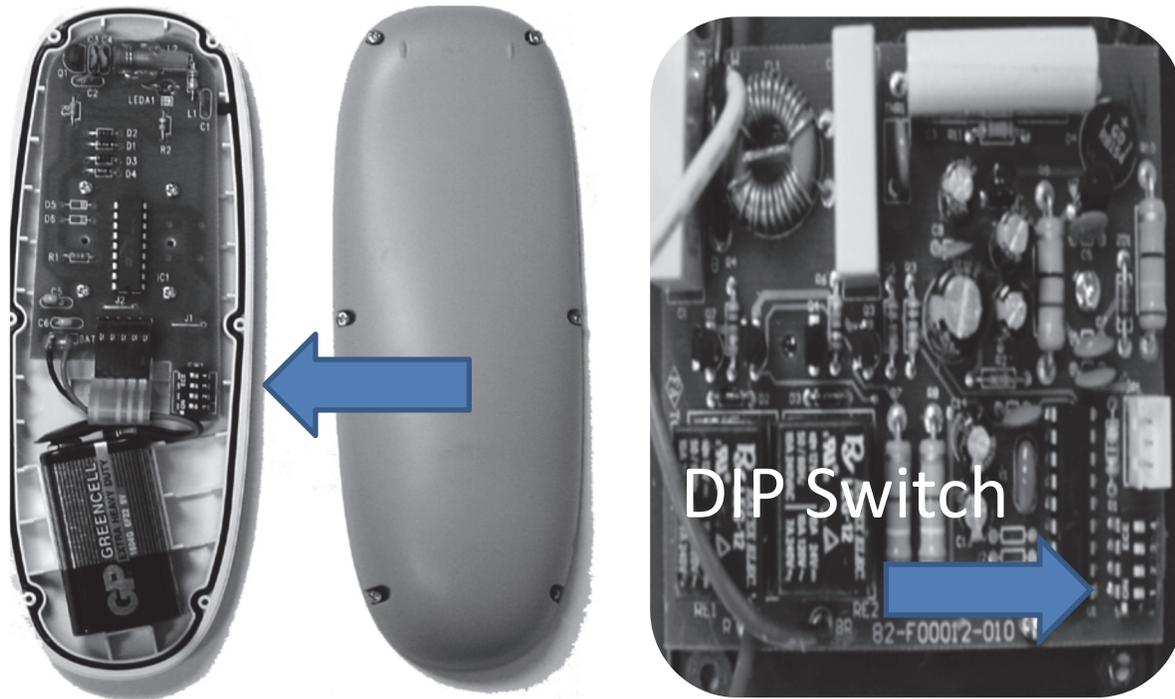


Installation Steps:

1. Disconnect or shut off input power to the WPC or PT-6000 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. If the channel code cannot be determined, simply opening up the transmitter and note the position of the DIP Switches, refer to page 4 of this document for the code table. Make sure the switches on the receiver match the transmitter settings.
3. 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 (WPC units only).
4. Locate and mark the four wires connected to the original receiver in the unit (black, white, red, and brown). 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, cut the matching wire that allows some space to strip the wire and prepare to connect with a wire nut or crimp connector.
5. With wires located and marked, remove mounting screws holding the receiver to the panel – keep screws for re-mounting of new part. If unit is a PT-6000, the receiver will be held in place with double sided tape.
6. One wire at a time, disconnect (or cut if required) the four wires connecting the old receiver and connect the new receiver. It is best to remove one wire at a time and plug on new wire. Unplug black wire, plug on new black wire, unplug white wire, plug on new white wire, then do the same for the red wires and brown wires. Black for black - white for white - red for red & brown for brown.
7. Once the old receiver is disconnected, set aside with the original transmitter. The new receiver should now be wired complete – proceed to mount in the same place as the original with the original screws.
8. Locate original antenna and pry out 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.

9. Gently thread the antenna connector 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.
10. Confirm that all wires are reconnected properly and in a safe manner. Re-connect power to the unit and test operate the remote system.
11. 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.

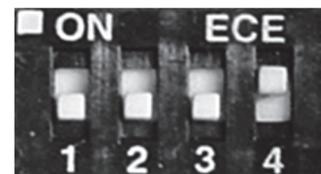


Note: Sample shown is of Channel 9

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

CHANNEL

1	5	9	13
2	6	10	14
3	7	11	15
4	8	12	16



DIP Switch