



The Wireless control utilizes radio frequency to communicate between the display and trim tab power module. This design eliminates the need for wiring between the display control and transom mounted power module. The Wireless combines a microprocessor based trim tab control with an LED tab position indicator. This control incorporates a convenient “one-touch” button for all tabs up or all tabs down. Tabs automatically retract and calibrate whenever the control power is switched on or off. This unique design requires no feedback sensor for tab position. LED indicators automatically dim at night and brighten in sunlight. The Wireless is completely sealed and waterproof. Lectrotab’s Wireless control is available in single station or dual station.

## FEATURES

- Utilizes radio frequency for communication between display control and trim tab power module up to 100’ (30.5m)
- Convenient “one-touch” button for all tabs up or all tabs down
- Tabs automatically retract and calibrate on key switch on or off
- Easy upgrade from rocker switch control with BP-10 mounting plate
- Completely sealed and waterproof
- Automatically dims LED tab position indicators in darkness and brightens in sunlight
- Adjustable programming features located on back of specification sheet
- Dual stations available
- Operates up to 3 actuators per tab on 12vdc or 4 actuators per tab on 24vdc systems

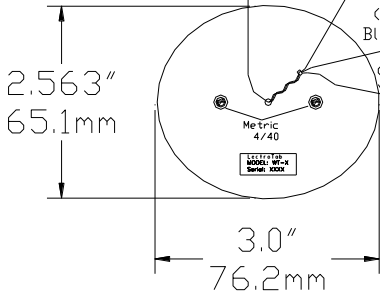
## SPECIFICATIONS

| Model Number | Display Color | Number of Stations | Overall Width | Overall Height | Mounting Hole Cutout (Diameter) | DC Voltage | WR Power Module Fuse Size (1 Actuators per Tab) | WR Power Module Fuse Size (2 Actuators per Tab) | WR Power Module Fuse Size (3 Actuators per Tab) | WT Supply Power and AUX Fuse Size |
|--------------|---------------|--------------------|---------------|----------------|---------------------------------|------------|---|---|---|-----------------------------------|
| WTR-111      | Black         | 1                  | 3"/76.2mm     | 2.563"/65.1mm  | 2"/51mm                         | 12         | 12vdc = 20 amp                                  | 12vdc = 30 amp                                  | 12vdc = 40 amp                                  | .25 amp                           |
| WTR-121      | Black         | 2                  | 3"/76.2mm     | 2.563"/65.1mm  | 2"/51mm                         | 12         | 12vdc = 20 amp                                  | 12vdc = 30 amp                                  | 12vdc = 40 amp                                  | .25 amp                           |
| WTR-211      | Black         | 1                  | 3"/76.2mm     | 2.563"/65.1mm  | 2"/51mm                         | 24         | 24vdc = 10amp                                   | 24vdc =20amp                                    | 24vdc = 30amp                                   | .25 amp                           |
| WTR-221      | Black         | 2                  | 3"/76.2mm     | 2.563"/65.1mm  | 2"/51mm                         | 24         | 24vdc = 10amp                                   | 24vdc =20amp                                    | 24vdc = 30amp                                   | .25 amp                           |

# WIRELESS WIRING/INSTALLATION DIAGRAM

## WT Wireless Keypad (REAR VIEW W/ TEXT UP)

Do not cut antenna.  
Extend antenna  
straight up.



(+) +12 or 24 VDC from a source which remains on while the vessel is in service and is turned off with the vessel's main D.C. power switch. Power requirement is about 75 milliamps/keypad. Use a 250ma fuse.

(-) Connect to the vessel's battery (-)

(AUX) Must connect 12 or 24 VDC power to the yellow "AUX" wire (see page 8 in the manual for "AUX" switch options). Turn this switch ON, and a 10 second calibration sequence initiates in order to synchronize the tabs and the indicators at full retract position. The Wireless will show blinking LEDs which denotes tabs up. Turning this switch OFF initiates another sync/retract sequence for tabs up at trip's end. Use a 250ma fuse.

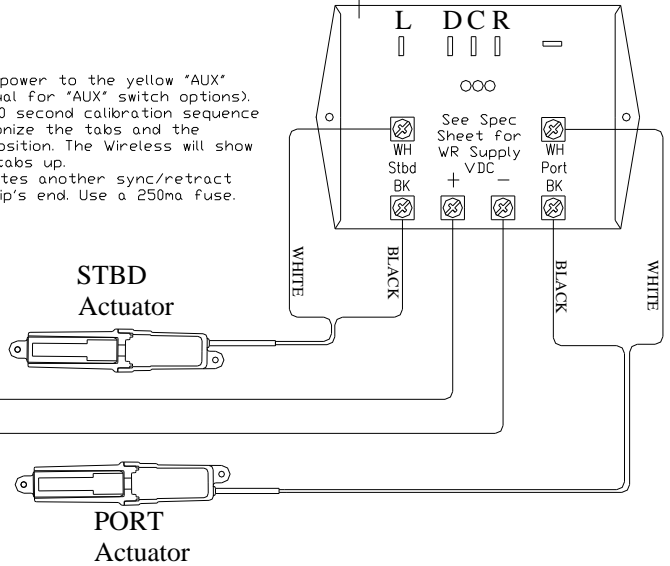
See Specification Sheet for correct fuse size to WR Wireless Power Module.



Fully extend antenna vertically and secure with a screw through the loop. Do Not Shorten Antenna Length.

Test Notes:  
 Short C to D to deploy both tabs.  
 Short C to R to retract both tabs.  
 If key presses on WT do not create a response from WR, frequency matching may be necessary. Do this by connecting a jumper wire between L and +12vdc then press "ALL UP". Remove jumper.

## WR Wireless Power Module



# WIRELESS PROGRAMMING

| Program Mode Sequence |               |                  |             |   |                                |   |
|-----------------------|---------------|------------------|-------------|---|--------------------------------|---|
| Function              | Enter         | Adjust           | Exit        | Range                                     | Default                        | Program Details   |
| Timing                | PORT BOW DOWN | STBD BOW DOWN/UP | PORT BOW UP | 4 - 12sec                                 | 8sec                           | 8 LED's = 8 second actuator<br>4 LED's = 4 second actuator  |
| LED's On/Off          | ALL DOWN      | ALL UP           | PORT BOW UP | On/Off                                    | On                             | All LED's flashing = LEDs ON<br>1 LED on each side = LED's OFF  |
| Swap LED's            | ALL UP        | ALL UP           | PORT BOW UP | LED's Opposite of button/same side button | LED's Opposite of button press | 8 LEDs on right side= LED lights opposite of button press<br>8 LED's on left side= LED lights same side as button press |

### Enter, Adjust and Exit Program Mode:

- Before entering program mode, 12vdc or 24vdc must be applied to Wireless (WT) main power
- Power to AUX (Yellow Wire) must be OFF (Aux is typically connected to ignition key switch or aux switch)
- Press and hold button noted in Wireless Programming chart under column "Enter" for more than 2 seconds while switching the Aux terminal switch to ON at the same time
- Release the "Enter" button and press button in "Adjust" column to change the value
- Press and hold "PORT BOW UP" for more than 2 seconds to exit program mode