

## Wireless Instruction Manual (P/N KWR-003)

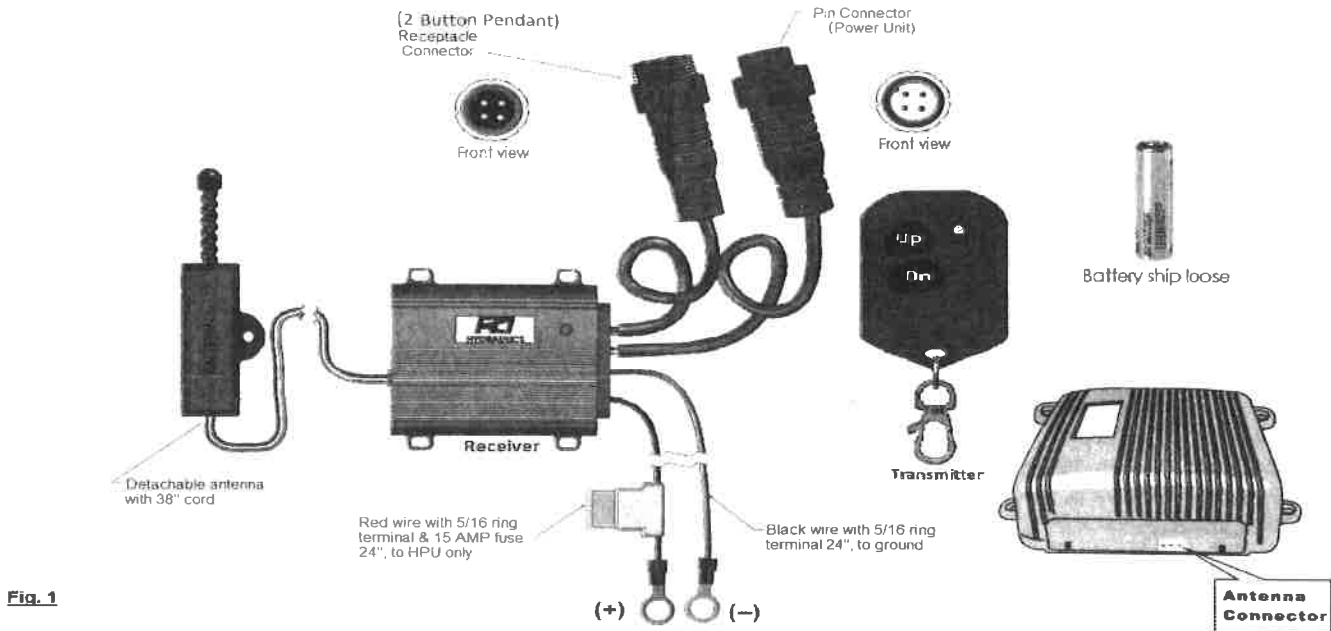


Fig. 1

\*\*\*\*\*Wireless Remote Comes Preprogrammed\*\*\*\*\*

### Installation

- 1.) Mount **Wireless Receiver**.
    - a. Select desired mounting location preferably in a sealed box and out of harm's way.
    - b. **Antenna must** be mounted outside, not in metal box.
  - 2.) Connect **Pin Connector** to Power Unit. (Fig. 1)
  - 3.) Connect positive (**Red Wire**) & negative (**Black Wire**) ring terminal to **Hydraulic Power Units**. (Fig. 1)
    - a. Connect (+) Red wire to the same terminal on **Start Solenoid** as positive cable from the battery.
    - b. Connect (-) Black wire to motor housing or to negative terminal on the 2 terminal DC motor.
- Note:** Insure the Power Unit is grounded directly to the negative terminal on the battery, which is the designated grounding location.
- 4.) Operate **Wireless Unit** and **Remote Pendant** to insure proper functionality.
    - a. **Up Button** or OUT
    - b. **Down Button** or IN
  - 5.) Connect **Remote Pendant** to **Receptacle Connector** on Wireless Receiver. (Fig. 1)

### Functions

- 1.) To turn power **ON** or **OFF**, press both buttons **Up** and **Dn** **simultaneously**. When the receiver is in OFF mode, the LED indicator will not illuminate. When the receiver in ON, the LED indicator will flash **GREEN** every 3 seconds to show that the receiver is connected to a power source above 9 Volts. If the power source is below 9 Volts the LED indicator will flash **RED** every 3 seconds.
- 2.) When receiver is ON, press any button on key fob, the LED on receiver stays ON, LED light cuts off when release button.
- 3.) **20 Minute Shut-down Mode** (Receiver shuts down after being idle for 20 minutes).

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- a. Press both buttons (Up & Dn) to turn the receiver ON.
- b. In Shutdown Mode; (Output 2) the Remote Pendant) is still active. (Fig. 1)

### How to Program Remote Key Fob to Wireless Unit (Programming Mode)

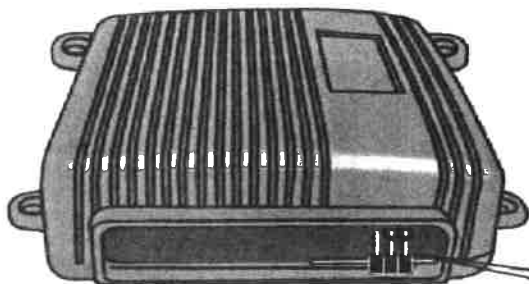
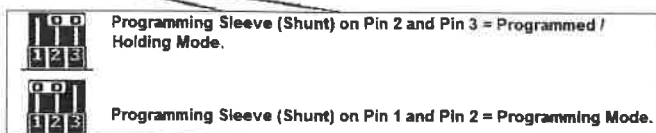


Fig. 2



- 1.) Remove wired hand control (Remote Pendant) to prevent accidental operation.
- 2.) Place **Programming Sleeve** (Shunt) on Pin 1 and Pin 2, to activate Programming Mode. Fig. 2,3,4

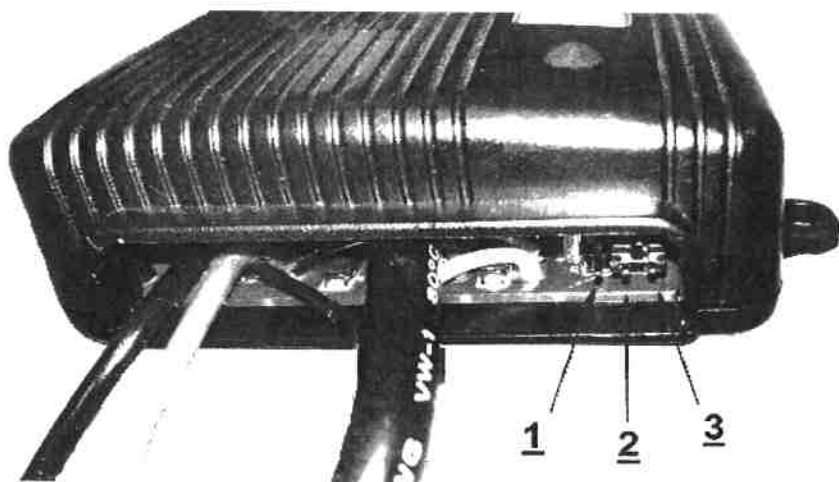


Fig. 4

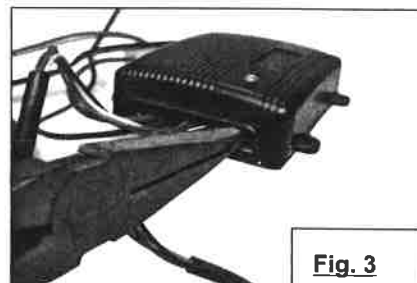


Fig. 3

- 3.) When in **Programming Mode**, the LED indicator will flash **Red** to show status. Press any button on the Key Fob, when the receiver has stored the signal from the Key Fob, the LED indicator will flash **Green** for **2 seconds**; then will flash **Red** to confirmation the frequency has been stored. Repeat this set when programming multiple Key Fobs.
- 4.) Install **Program Sleeve (Shunt)** on Pin 2 and 3 to end Programming Mode. (Fig. 2 & 4)  
*Note: When in Programming Mode the transmitter must be operated within 3 - 5 seconds to program new code, otherwise the Receiver will resume previous frequency.* Operating Frequency: 315MHz
- 5.) You may program up to 4 key fobs to one Receiver. When programming a 5<sup>th</sup> Key fob, the Receiver will drop the 1<sup>st</sup> programmed key fob.

For Warranty and Trouble shooting, please contact KTI Hydraulics, Inc. - Service Department (949)752-8818.