TECINNOVATIONS

TR2P-PD

Wireless remote control System Installation Instructions for Power Units

In Fig 1, there are a series of numbers that will be referenced often in this installation process.

(1) In Fig 1, #1 on the green terminal strip will need to be wired to the positive + side of a 12 to 24vdc battery.

(2) In Fig 1, #2 on the green terminal strip will need to be wired to the – negative side of a 12 to 24vdc battery.

(3) In Fig 1, #3 (NORMALLY OPEN OUTPUT FOR CHANNEL ONE) on the green terminal strip will need to be wired to the power unit solenoid used for operating the power unit in the "up position". This solenoid can be located on the solenoid valve block next to the "down position" solenoid in most cases, once finding the solenoid, the connection of the wire is done by splicing the wire from the receiver unit into the wire coming from the hand held controller already being used for the up function.

(4) The terminal #4 (NORMALLY CLOSED OUTPUT) is not used in this procedure.

(5) #5 terminal on the green terminal strip is the (COMMON INPUT) for channel one, this connector should be connected to a 12 to 24 volt + positive source, the positive power that feeds the power unit is good.

(6) In Fig 1, #6 (NORMALLY OPEN OUTPUT FOR CHANNEL TWO) on the green terminal strip will need to be wired to the power unit solenoid used for operating the power unit in the "down position". This solenoid can be located on the solenoid valve block next to the "up position" solenoid in most cases, once finding the solenoid, the connection of the wire is done by splicing the wire from the receiver unit into the wire coming from the hand held controller already being used for the down function.

(7) Terminal #7 (solid state output) is to be connected to the motor solenoid, (located on top of the motor in most cases). The voltage of this output is determined by the voltage on both common terminals (#5 and #8) and not to exceed 24vdc.

(8) #8 terminal on the green terminal strip is the (COMMON INPUT) for channel two, this terminal should be connected to a 12 to 24 volt + positive source, the positive power that feeds the power unit is good.

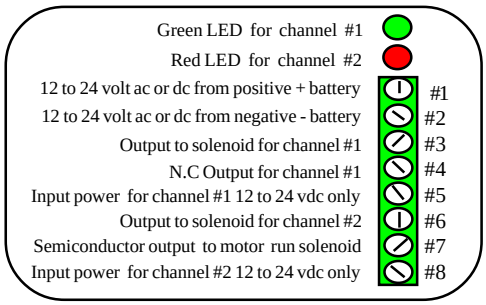
(9) Connect the antenna provided, to the red connector on the end of the black wire located next to terminal #8.

(10) Check over the unit to make sure it is wired up correctly.

(11) Take the wireless key chain remote in you're hand pressing button #1 and then #2 making sure the up and down positions work, if the unit doesn't operate then it will need to be programmed, look at the provided information for programming.

(12) For the best reception, Terminals #1 and #2 should be connected directly to the battery " not to the wiring used to power the solenoids"

Fig 1



TR2P-PD Specifications

Caution:	**POWER UP AND POWER DOWN ONLY Not to exceed 24vdc**
Operating Frenquency:	315 MHz
Operating Voltage:	11 to 24VDC
Operating Distance:	Up to 200 feet (open air)
Operating Temperture:	-20°C to 72°, -4°F to 162°F
Curent Drain:	8mA 12VDC @ (standby) 60mA per channel @ 12VDC (activated)
RF Codes:	18 Quintillion
RF Channels:	Two
Number of Stored Transmitter Codes:	15 per channel, 30 per receiver unit
Recever Outputs:	Two form "C" dry relay contacts ; 6 Amps at 12-24VDC AND 1 SOLID STATE OUTPUT 12-24 VDC 3 AMPS ONLY
Connectors:	8 Quick-connect screw terminals (+, -, with N.O./N.C./Common for channel 1 and N.O./ N.C./Common for channel 2) And 1 terminal for solid state output (**for power up and down dc power units only**)
Size:	3.25" x 2.7" x 1.1" (83 x 68 x 27.5mm)
Weight:	6.1 oz. (116gm.)
Approvals:	FCC

TECINNOVATIONS

TR2P-PD

Wireless remote control Programming Instructions for Power Units

Mode switch (one per channel):

Enter programming Mode: Press and hold mode switch S1 or S2 for 3 seconds. **LED 1** or **LED 2** will flash fast.

Learning a Transmitter Code: Within 15 seconds of entering the programming mode, press a transmitter button #1 or #2. LED 1 or LED 2 will flash 1 time when the button has been programmed. Do this for both buttons, #1 on the transmitter to S1 on the receiver and #2 to S2.

Clear Memory: After entering programming mode, again press and hold the switch for 3 seconds. LED will flash twice to indicate memory clear.

Press one of the mode switches momentarily and release: The LED will flash the number of remotes that have been programed to that channel

LED Indicator (one per channel):

Steady ON: RF reception (receiver is receiving RF signal from coded transmitter — great for trouble shooting).

Fast Flash: In programming mode.
One Flash: A transmitter code is programmed.
Two Flashes: All programmed codes are cleared.

Antenna Placement Procedures

1. Move the antenna to different locations on the equipment for best reception before mounting it permanently.

2. Do not place the antenna any closer than 1 foot from any electric motor, open area is the ideal location for antennas.

3. Place antenna in a location where it is safe from anything that can crush or break plastic cover or cut the black wire.

4. Do not place antenna in a metal enclosure with any electric motor. The further the antenna is from an electric motor the better the reception will be.

5. Connect terminal #1 straight to the (+) positive post on the battery. Connect terminal #2 straight to the (-) negative post on the battery.