

## 4DP0L0EFA

Installation instructions for 4 button remote control kits (NO GRAY WIRE) 4 buttons 1 function each

TO BE USED ON 12 OR 24 VOLT DC POWER SUPPLIES ONLY

Remote Function- **SEE Figure 1 yellow wire is activated with S1, White wire is activated with S2, Green wire is activated with S3, and Blue wire is activated with S4. Red wire is DC power supply, Black wire is ground.**

If you need to reprogram see page 3

**No more than 10 amps total at any given time can run through the receiver. We recommend the use of 6 amp diodes on the control wires to prevent any power feedback into the receiver. For higher amp uses you must use relays... with the unit. It is recommended to wire in a on off switch on the power (red wire) of the receiver to prevent battery drainage when the unit is not in use. . USE THEN ENCLOSED 10 AMP IN-LINE FUSE ON THE RED POWER WIRE.THERE ARE NO REFUNDS FOR BURNT OUT UNITS. Never jump start or charge the source battery without first disconnecting this unit.**

Tools you will need:

12vdc test light

wire connectors (varies depending on application) and or scotch locks. NOTE: use dielectric grease on all splice connections to prevent corrosion.

Wire stripper / crimper

This kit contains the following:

1- 4 button keychain remote

1- Wireless base unit box with pigtails (and optional external antenna if ordered)

1- External antenna

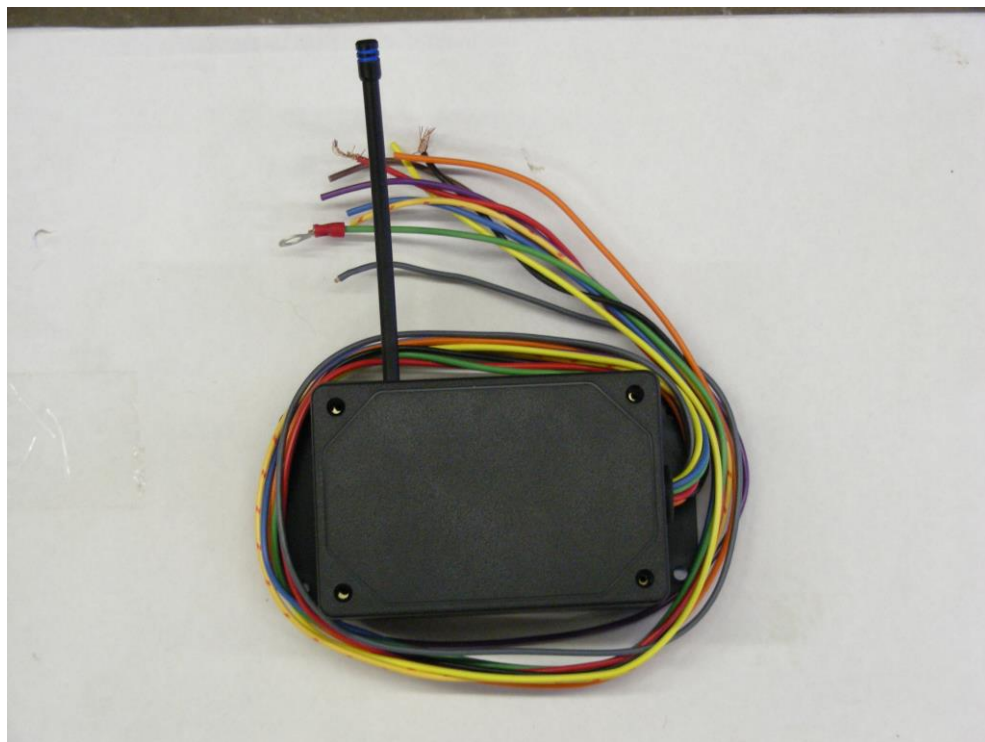
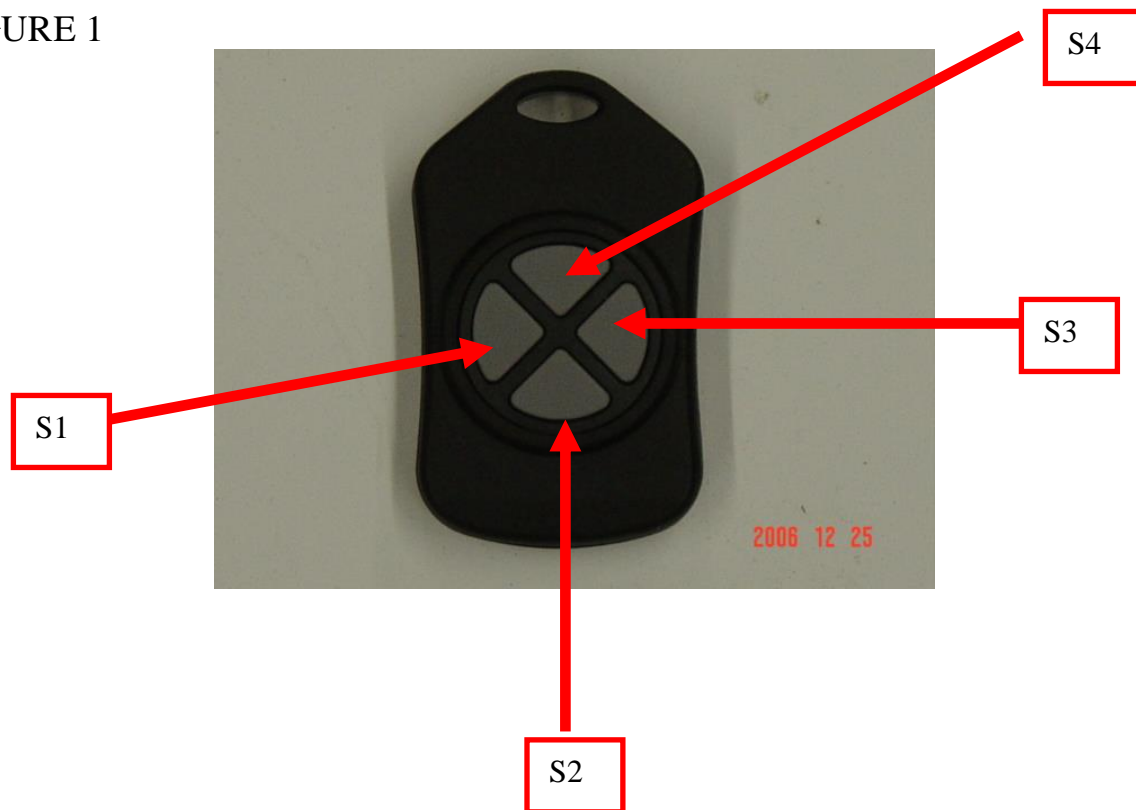
1-10 amp in line fuse link

**FOLLOW THESE STEPS CAREFULLY. DC POWER ONLY**

Mount unit (base unit with wiring pigtails) near equipment motor.

1. Run a 14 gauge wire from a 12 volt DC power supply or keyed ignition power to red terminal
2. Connect the black wire from the base unit to the battery ground or a good ground.
3. Connect the white wire (which is activated with lower button (B) see figure1) to the activation side of the valve / coil... that you want to send power to activate this function.
4. Connect the wires as described on top of page.
9. Test toggle switch and remote functions. Your control is now ready for use.
10. **MAKE SURE YOU HAVE SECURE AND CLEAN CONNECTIONS EVERYWHERE**

FIGURE 1



## SETUP KEYCHAIN REMOTE TO BASE UNIT ADDRESS

**Your keychain remote was setup to your receiver at the factory. If you need to reprogram your existing remote or are adding or replacing one follow the instructions below.**

Please follow these steps: [Video link](#)

1. Power up the base unit and remove the cover of the base unit with a small Phillips screw driver.
2. On the back side of the keychain remote depress the ADD button with a paperclip and RELEASE (If working properly a blue light in the window will blink. Note on some models the blue light will be located on the front of the transmitter.).
3. Flip the keychain remote over and push and release each button individually.  
THEN WAIT UNTIL THE BLUE LIGHT STOPS BLINKING AND PROCEED.
4. Go to the base unit and push the black button. The red LED will begin to flash for 15 seconds.
5. Push and release any single button and release on the keychain remote
6. When the red LED stops flashing programming is complete.

## BATTERY REPLACEMENT

The Keychain remote uses a standard CR2032 Lithium button cell battery. In normal use it will provide 1-2 years of operation. To replace the battery, gently pry apart the 2 halves of the remote.

Remove the battery by sliding it out from underneath the retainer. Observe the battery polarity when replacing. Once the battery is replaced, **YOU NEED TO REPROGRAM THE KEYCHAIN TO THE BASE UNIT**

Paperclip hole

LED window



## **TROUBLE SHOOTING**

Follow these steps:

- Make sure the LED is lit when the receiver power is turns on. If the LED is not on, check your power supply to the receiver.
- With the receiver powered up, make sure the LED comes on when the buttons are depressed on the key fob. If the LED does not come on the receiver is not getting a signal from the transmitter. If the battery in the transmitter is more than 2-3 years old check battery voltage with a meter or replace battery.
- After completing the above steps and the unit still will not function, follow the procedure, **Set-up of Key fob to Receiver Address**.
- If the unit still will not operate. Check connections to the component that the unit is trying to actuate using a voltmeter.
- If the transmitter was allowed to freeze, warm up before using.
- Check all connections and make sure you have a clean power and ground.
- Check the fuse.
- Diagnose any problems with what the unit is connected to.

### **Other Considerations**

Only one transmitter at a time can be activated within a reception area. Only one carrier of a particular frequency may occupy the same airspace at a given time. This means that if two transmitters are activated in the same area at the same time the signals will interfere and the decoder on the receiver will not see a valid transmission and the RF-500 will not function. Also CAW has no control over the intended usage of this product. Because of that CAW offers no written or expressed liability as to how this product is used. CAW recommends that these units are intended for **OFF ROAD USE ONLY**

More info: see [www.controlallwireless.com](http://www.controlallwireless.com) or email [sales@controlallwireless.com](mailto:sales@controlallwireless.com)

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