

## 2DP2L0EFA Extended Antenna

### Installation instructions for 2 button remote control kit. BOTH BUTTONS HAVE OPTIONAL DOUBLE PULL

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

Remote Function- **SEE Figure 1** When the (A) button is pressed on the remote power is sent to the blue wire and the gray wire until the button is released. When the (B) button is pressed, power is sent to the white wire only.

We have programmed the keychain remote to your base unit for you. 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 from any accessories you may use. 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 THE ENCLOSED 10 AMP IN-LINE FUSE ON THE RED POWER WIRE. THERE ARE NO REFUNDS FOR BURNT OUT UNITS**

The Grey wire is a double pull wire which means whenever any button is depressed this wire is also actuated, commonly used for when you want to open a valve and engage a solenoid at the same time to start a motor.... If not needed tuck and tape.

#### What you 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:

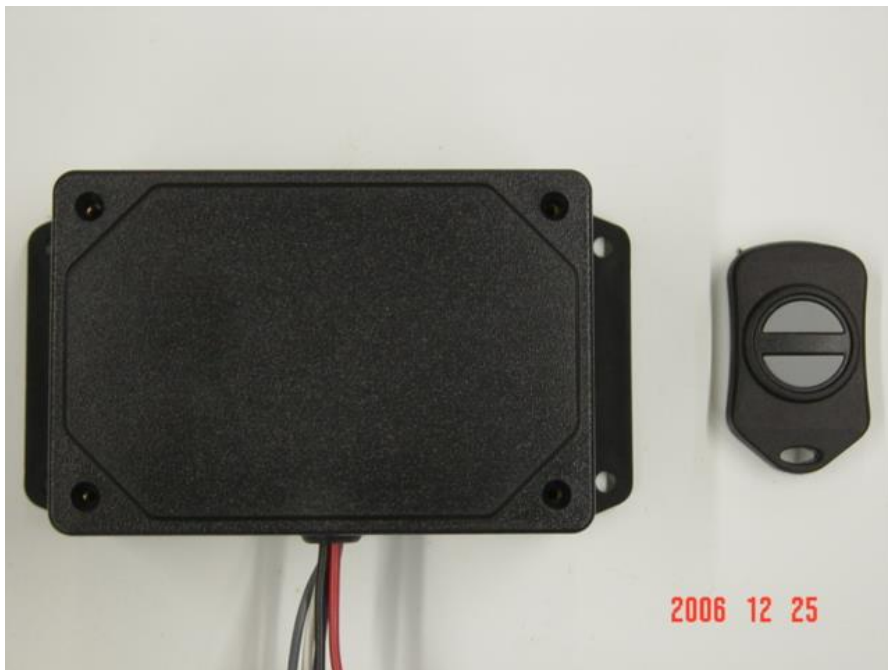
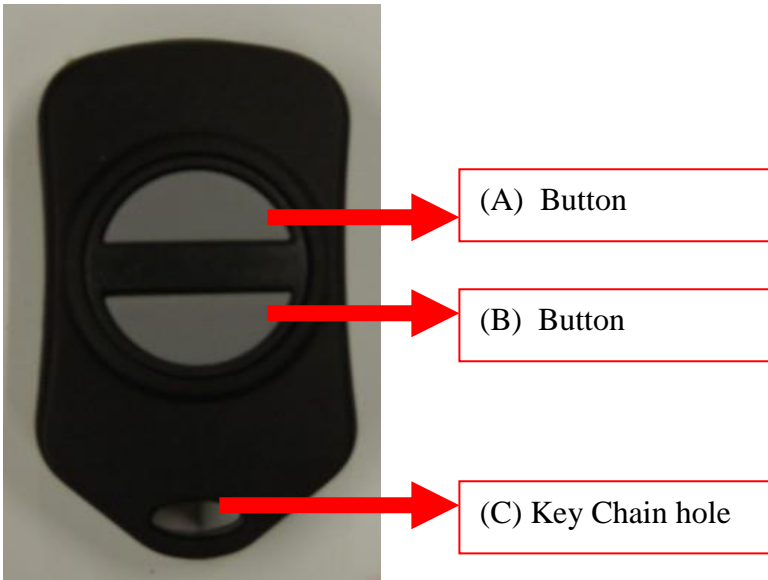
1- 2 button keychain remote

1- Wireless base unit box with pigtails

1-10 amp in line fuse link

1. Mount unit (base unit with wiring pigtails) near equipment motor.
2. Run a 14-gauge wire from a 12 volt power supply or keyed ignition power to red terminal
3. Connect the black wire from the base unit to the battery ground or a good ground.
4. Connect the gray wire from the base unit to the small terminal that activates the solenoid that controls (OR SENDS POWER TO) the motor.
5. Connect the white wire (which is activated with lower button (B) see figure1) to the hot side of the lower valve wire (you can find this wire on your equipment by activating the function and the probing the wire with a test light)
6. Connect the blue wire (which is activated with the raise button (A) see figure 1) to the hot side of the raise valve wire.
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 unless otherwise noted.. 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 screwdriver.
2. On the backside 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 button and release on the keychain remote
6. When the red light on the receiver 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 keyfob. 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 Keyfob 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 unit 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**

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