

## 2DP1L0EFA

### **Installation instructions for 2 button remote control kits for use in dump trailer or power up dump gravity down or similar applications. 1 BUTTON HAS DUAL FUNCTION (Double Pull) THE SECOND BUTTON IS A SINGLE FUNCTION**

TO BE USED ON 12 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.

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.**

THESE INSTRUCTIONS ARE FOR WIRING POWER UP GRAVITY DOWN APPLICATIONS (i.e. dump trailers that need to power a motor and open a valve to go up and to only open a valve to go down without activating a motor.

#### 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:

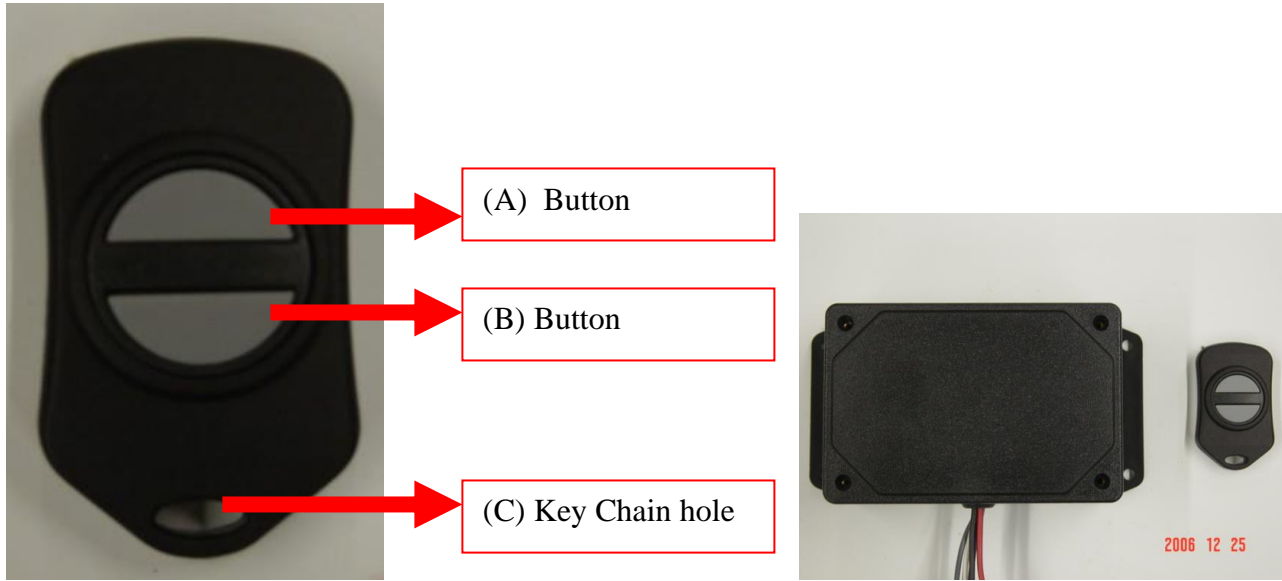
1- 2 button keychain remote

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 DC 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 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 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



### **Reprogramming instructions.**

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 each button individually to send address to the base unit. 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.
5. Again push each button on the keychain remote to save the unique address (1 in 16 million)
6. Push black button on the base unit to end the programming mode and the red LED will stop flashing. YOUR UNIT IS NOW READY TO USE.

### **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**

- 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.
- More info: see [www.controlallwireless.com](http://www.controlallwireless.com) or email [sales@controlallwireless.com](mailto:sales@controlallwireless.com)
- Limited 90 day warranty on electronics see wireless warranty on the website for details