

Pro's Pick

Custom Pickup Beds & Parts

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FOUR-SEVEN FUNCTION REMOTE ENTRY KIT **INSTRUCTIONS**

Congratulations on the purchase of your Pro's Pick / Wireforce Four or Seven Function Remote Kit. In order to get the most from your new kit, please take a few minutes to read and understand the following instructions.

We will refer to the receiver unit as the "Brain Box". This unit has seven available functions. All functions are constant duty. That is, as long as you depress the selected function switch, it will continue to operate. This is an important feature as it will allow you to operate virtually any type of accessory.

The functions operate as follows...

Function	1	press button	1
	2		2
	3		3
	4		4
	5		buttons 1 & 2 simultaneously
	6		buttons 1 & 3 simultaneously
	7		buttons 1 & 4 simultaneously

When considering which buttons will control what accessories, remember that functions 5, 6 & 7 require two hands to operate. Having an arm load of parcels and needing two hands to open the trunk is probably not a good idea.

Required tools

battery drill
1/8" drill bit
philips screw driver
tape measure
wire cutters
wire strippers
connector crimping pliers
soldering iron

Required materials

16ga wire various colors
electrical tape or shrink tube
solder
selection of connectors

DO NOT PLUG THE BRAIN BOX IN UNTIL ALL WIRING IS COMPLETED

Step 1) Check that you have all the parts

Description	Quantity
Receiver	1
10 pin plug and wires	1
Key fobs	2
Plugs and relays	5
Instructions	1

Step 2) Planning

This is the most important step of the whole job. After reading through the instructions so that you are familiar with the overall system, choose mounting locations for all of the components and the routing of the wires which will protect them from damage. This is especially critical where wires pass from the body to the doors.

If you are using the unit for remote entry, design your system to have a mechanical backup in case of power failure. This involves an alternate method of opening a door that does not require electricity.

Step 3) Mounting the receiver

Select a location for the brain box where it will not get wet and where there is room to route the wiring without bends for 2 inches. Do not cover the receiver or the antenna with foil insulation.

Step 4) Mounting relays

The relays should be inside the vehicle where they will not get wet and should be farther than 12 inches away from the receiver. If the relays are mounted too close to the receiver they can cause radio interference which could effect the operation of the remote. The relays are equipped with a mounting tab. Be sure to leave enough room for the wiring plug without having to put tight bends in the wires.

Step 5) Wiring

Most people are confused by electricity. If you have read these instructions thoroughly and are not totally confident, get competent help.

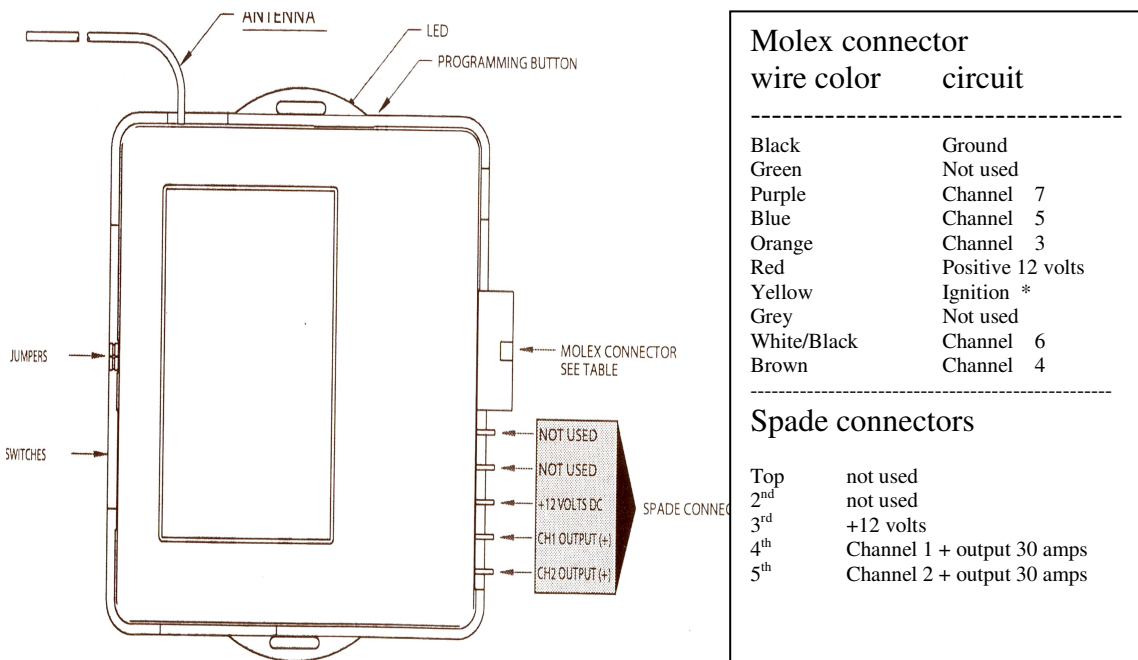
The black wire hanging out of the receiver is the antenna. **DO NOT GROUND THE ANTENNA, CUT IT, OR COVER IT WITH FOIL INSULATION.**

The relays supplied are standard Bosch type relays. They have an electrical schematic on the relay and the terminal numbers are molded into the relay body. Because of the wide variety of uses these remote units could be used for, we are not enclosing any schematics for applications. You must determine how to wire the relays to achieve the desired result for your application.

Technical information

Functions one & two have internal 30 amp relays within the brain box. When either function one or two is pressed power will be applied to the appropriate spade terminal (see drawing below)

Functions 3 through 7 are designed so that relays **must** be used to operate the desired accessories. When you depress a function button the brain box supplies a ground circuit to the appropriate channel wire. This will complete the control circuit of the relay (pins 85 & 86) causing the relay to switch.



* The yellow wire provides a unique feature. If you connect the yellow wire to an ignition power source, channels 1 through 4 will not operate while the ignition key is on (as a safety feature). If you desire this feature, hook it up. If you don't want the feature, leave the yellow wire disconnected.

Step 6) Programming your remote to recognize the key fobs

This remote unit will accept information from up to 4 key fob transmitters. The two key fobs supplied with this unit are pre programmed, therefore they should work fine right out of the box. Should at some time in the future you needed to replace a fob, or the brain box should lose it's memory, you would need to re program. At the end of the brain box is a small momentary switch and an LED (see drawing above). To program the unit, make sure the ignition is off. Press the switch three times, the LED will light. You now have **ten seconds** to press the #1 button on each of up to four fobs. Sometimes it may take two or three tries to work. When you press the switch three times, it erases all previous memory and goes into a 10second learning mode, where it is looking for a signal to remember. Wait for the LED to go out. Then test the functions.

Dip switches and jumpers. Leave them alone! The dip switches must all be in the off position.

Keep the instructions in case programming is needed in the future.

We have not included application schematics because the vast variety of possible uses would do nothing except cause confusion. **If you are not able to determine the proper method of connection for your application, consult a professional.**

IMPROPER HOOK UP CAN DAMAGE THE UNIT

**IF YOU REQUIRE ASSISTANCE PLEASE CALL US AT 1-800-865-7366.
THANK YOU.**