8DP8L0EFA

WIRING INSTALLATION DIAGRAM FOR
8 BUTTON REMOTE SYSTEM WITH NO LATCHING ALL DOUBLE PULL WITH EXTENDED RANGE ANTENNA

Yellow wire is activated by #1
White wire is activated by button #2
Green Wire is activated by button # 3
Blue wire is activated by button #4
Brown wire is activated by button #5
Orange wire is activated by button #6
Purple wire is activated by button # 7
Striped Wire is activated by button #8
Gray wire to pump, coil, solenoid… depending on application
Red wire DC power supply (power in) powers up controller
Black wire is DC ground
It is recommended that the power and ground be connected directly to the battery.

MAKE SURE YOU HAVE SECURE AND CLEAN CONNECTIONS EVERYWHERE

The Transmitter has been programmed for you. If you need to reprogram see page 3

Control all Wireless, DLM INC. has no control over the end usage of these controllers. These units are intended for OFF-ROAD use only. We offer no written or expressed liability as to how these units are used.

No more than 14 amps total at any given time can run through the receiver. We recommend the use of 10 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.

RF-500-8 Wireless Controller

The RF-500-8 wireless controller is a compact unit with two parts. One part is the base unit and the other piece is the Transmitter. Base units are available with 8, DC outputs that can trigger the I/O's on all standard controllers or other equipment that can be activated using DC voltage. These units can be built in various configurations. The 8 button transmitter is used to transmit a corresponding signal to the base unit or receiver. Depending on the number of remotely activated outputs, that number is reflected in the dash # suffix of the model i.e. a RF-500-8 would be an 8 output base unit with an 8 button transmitter.

Fig. 1 Standard 8 button transmitter

Set-up and operation

All 500 controllers come factory programmed. This gives a matched (1 of 16 million combinations @ 418MHz interface between the Transmitter and base unit.

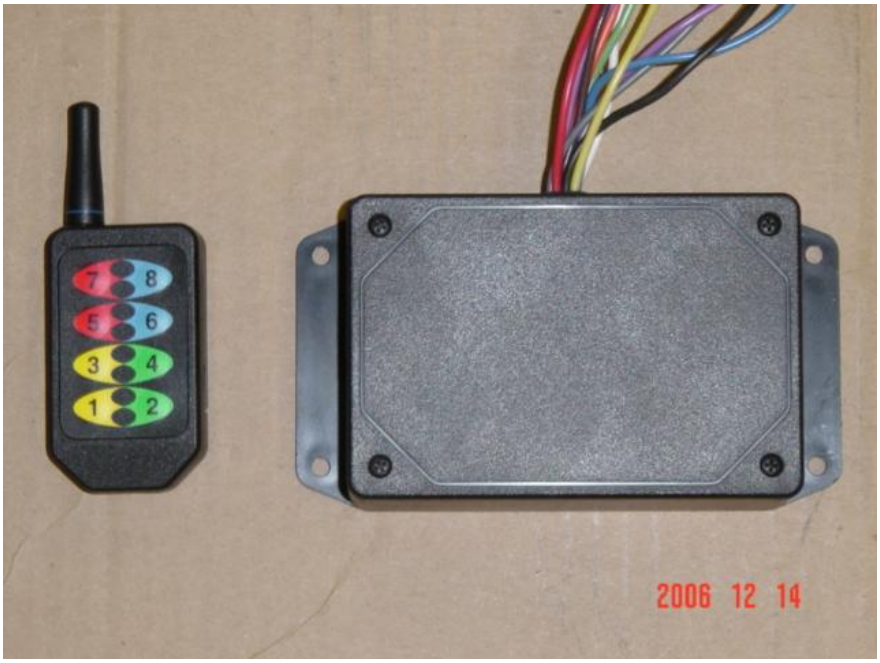

Fig 2 Transmitter and base unit

Set-up of transmitter to base unit. You should only need to do this if you replace the battery in your transmitter. Otherwise unit is preprogrammed.

Please follow these steps

- Power up the base unit
- On the backside off the 8 button transmitter remove the small black rectangle shaped cover to the left of the belt clip. Using a paperclip depress the small black button inside and release. (if working properly a blue light in the transmitter will blink)
- Flip the transmitter over and push each button individually to send the address to the receiver / base unit.
- THEN WAIT UNTIL THE BLUE LIGHT STOPS BLINKING AND PROCEED.
- Go to the receiver / base unit (take cover off) and push the learn address button next to the LED. The red LED will begin to flash
- Again push each button on the transmitter to save that unique address.
- Push the black button on the receiver / base unit to end the programming mode and the red LED will stop flashing.

Your Controller is now ready for use.

Battery Replacement

The transmitter uses a standard lithium button cell battery. In normal use it will provide 1 to 2 years of operation. To replace the battery, gently pry the battery cover off. Remove the battery by sliding it out from underneath the retainer. Observe the battery polarity when replacing. Once the battery is replaced, repeat the above steps to set a new address between the transmitter and the receiver / base unit.

Other Considerations

Only on 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 500 will not function.