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REL-2 Servo Relay Deck

The REL-2 Relay Deck is designed to convert SPDT action switches into a DPDT action. The REL-2 will also drop both power white and gray power leads going to the servo motor to ground. This motor braking function enables very precise servo positioning. You will need one REL-2 per servo.

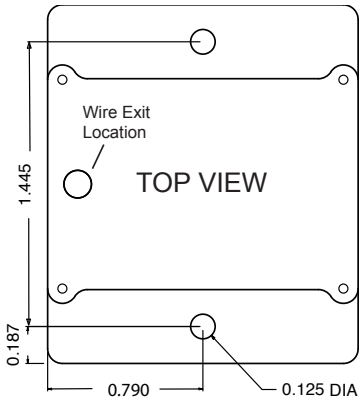
Installation Instructions

Secure the relay deck to the airframe. Do not install the REL-2 where it is exposed to excessive heat or vibration. The REL-2 is rated at 1 amp.

The REL-2 Relay Deck needs 12-14 VDC applied to the red wire to operate. There is a separate blue wire that sends power to the servo. If you are not using our SPD-1 servo speed control, tie these red and blue power wires together.

You can connect multiple stick grips and/or switches to the REL-2. If you intend on using a RS2 Rocker Switch with the REL-2, note that you will need diodes in line.

CAUTION!! Be careful that the white and gray wires running to the servo ***do not touch ground or short together.*** *Do* not power the relays with a battery charger.

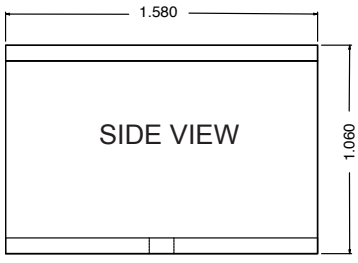


The REL-2 is wired as follows:

Red wire = 12-14 VDC +
Blue wire = Servo power wire. Connect this blue wire to the red wire if no speed control is used.
Black wire = Ground -

Orange wire = Connects to a momentary contact switch(s) to Ground -
Green wire = Connects to. a momentary contact switch(s) to Ground -

White wire = Connects to the white servo power wire*
Gray wire = Connects to the gray servo power wire*



* **NOTE**: It is very important to test these wire connections to determine if the servo(s) run in the direction that you desire. This direction can be changed by reversing the white and gray wires that connect the servo to the relay deck.

Warning: Installation and use of Ray Allen Company products is the responsibility of the aircraft designer and manufacturer.
Use of Ray Allen Company in any application which will exceed their capability can cause failure leading to injury or death.