The Ray Allen Company Inc.
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G405 and G407 Stick Grips

Installation Instructions

Your G4 series stick grip comes pre-wired with color coded, Teflon insulated, 24 gauge wire leads. Relays must be used to actuate Ray Allen servos. See other side for REL-2 wiring instructions.

Secure the G4 switch module with set screws or pop rivets (not included). ***Caution!*** Make sure that these screws do not interfere with any wires. If the foam grip fits too tight, try blowing compressed air to expand the foam as you slide the foam grip down the stick tube. The following describes the different color wire functions:

White – PTT. This wire will connect to ground when the PTT button is depressed.

Black – Ground wire. Connect to ground. Shared with all G4 switches.

Red – "Down" (#1) trim switch. This wire will connect to ground when this button is depressed.

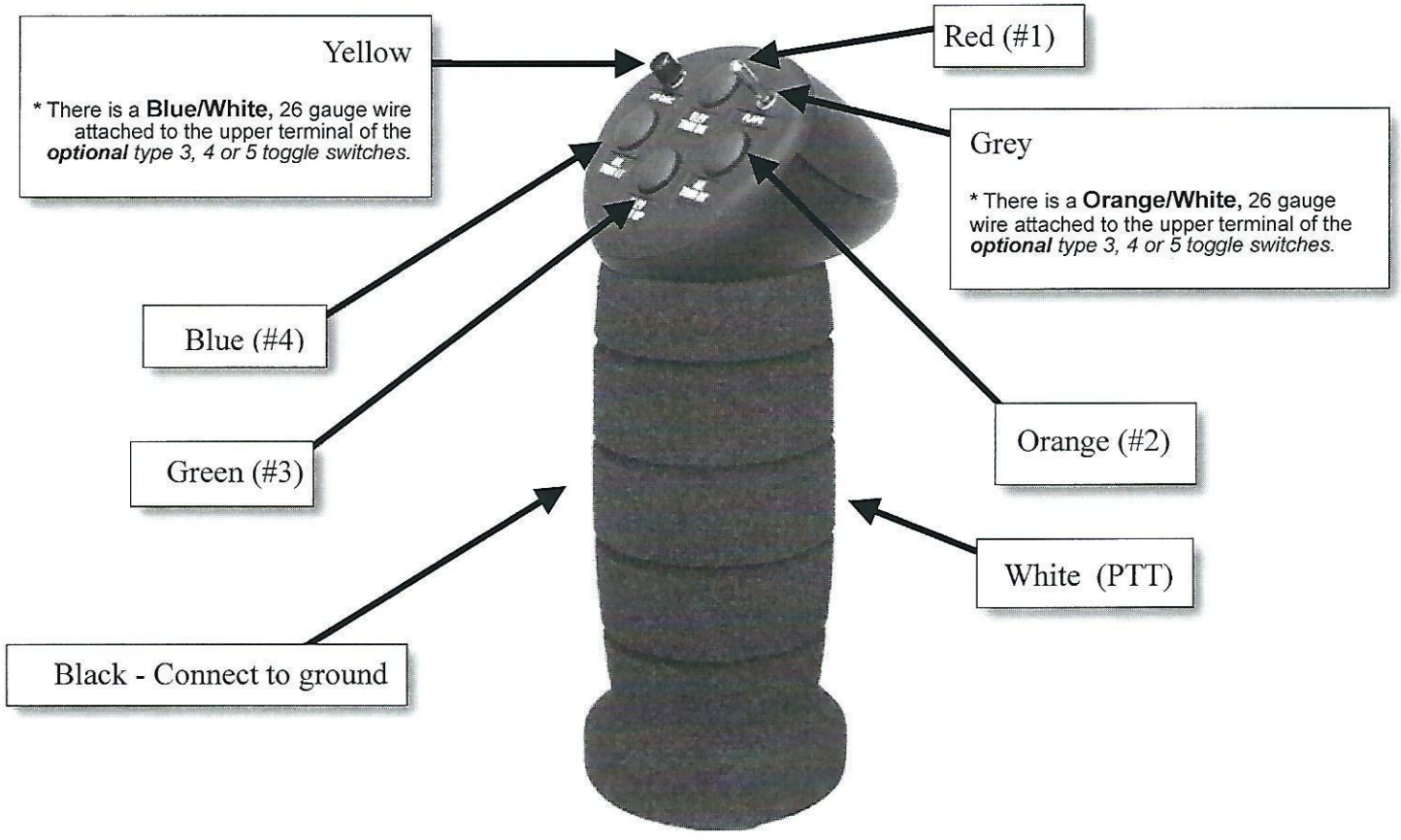
Blue – "Left" (#4) trim switch. This wire will connect to ground when this button is depressed.

Green – "Up" (#3) trim switch. This wire will connect to ground when this button is depressed.

Orange – "Right" (#2) trim switch. This wire will connect to ground when this button is depressed.

Grey* – Auxiliary "Right" pushbutton. This wire will connect to ground when this button/toggle is activated.

Yellow* – Auxiliary "Left" pushbutton. This wire will connect to ground when this button/toggle is activated.



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

REL-2 Servo Relay Deck

Installation Instructions

Secure the REL-2 Servo Relay Deck to the airframe or simply tie it onto a bundle of wires. Wire according to diagram below. Do not install the REL-2 where it is exposed to excessive heat or vibration. The REL-2 is rated at 1 amp. Fuses and circuit breakers are not included.

There are two relays inside the REL-2. These relays need 12-14 VDC applied to the red wire to operate reliably. (The servo motor itself can operate at a lesser voltage.) A separate blue wire sends this variable voltage directly to the servo. If you are not using our SPD-1 servo speed control, simply tie these red and blue power wires together.

NOTE: Test to determine if the servo(s) run in the direction that you desire. This direction can be changed by reversing the two white wires that connect the servo to the relay deck.

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