

FLIGHT GLOW II INSTRUCTIONS

The FLIGHT GLOW II is an advanced glow driver for model aircraft engines, both single and multi-engine operation. The FLIGHT GLOW II requires no adjustments, just plug and glow. The internal computer determines the idle setting, even if the channel has been reversed. At idle or start the glow plug is on 100%, as the throttle is advanced the power to the plug is reduced until it is off at about 1/4 throttle. You can see this by the amount of time the indicator is RED. The tri-color indicator also shows the condition of the battery or batteries for twin operation.

Installation

Mount the FLIGHT GLOW II to a visible surface; drill a 0.25" diameter hole, push the mounting ring through the hole from the visible side until the indicator snaps into the ring. Mount the battery where convenient, but do not alter the aircraft balance. It is a good idea to support the wiring to minimize the stress on the indicator leads.

Connect the FLIGHT GLOW II to the throttle channel of your receiver then connect the throttle servo to the FLIGHT GLOW II. Connect the black lead to the battery negative (-). Connect the red lead to the engine case. Connect the plug connector to the battery positive (+) and the glow plug. Follow the diagram for proper connections. For multi-engine applications visit our website, www.c-tronicsinc.com, for wiring diagrams.

Operation

Whenever you turn on your system make sure that the throttle is at the idle or start position. The receiver or transmitter can be turned on first. When the receiver is turned on the indicator may be; GREEN - the battery is good, ORANGE - the battery is low, or FLASHING RED - the battery is very low or there is an open circuit (plug wire is off). After both transmitter and receiver are on the unit will blink RED, this indicates that the system is now ready for operation; advance the throttle to full and return to idle, the glow drive indicator is now continuous RED. As the throttle is advanced the RED will begin blinking. The length of time the indicator is RED will continue to decrease as the throttle is advanced until about 1/4 throttle after which it will be either GREEN or ORANGE depending on the battery voltage.

As the throttle is moved back towards idle, the unit will again begin to blink RED indicating the power is again being applied to the plug. Moving the throttle to kill the engine causes the FLIGHT GLOW II to turn off the power to the plug. The indicator will be either GREEN or ORANGE. To turn the unit back on the throttle must be advanced to full and returned. If the indicator is FLASHING ORANGE your receiver had a missed signal during the flight. To clear this condition the receiver must be turned off.

