THE RAY ALLEN COMPANY INC.
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POS SERIES POSITION SENSOR
AND
RP3 LED TYPE POSITION INDICATOR

INSTALLATION INSTRUCTIONS FOR THE POSITION SENSOR

The Ray Allen position sensor provides a signal for RP3 indicator by means of a sliding arm. Install the position sensor where the arm can travel its full length. Model airplane clevises and pushrods work well for connections.

CAUTION!! Be sure that your installation is not forcing the sensor arm to overtravel.

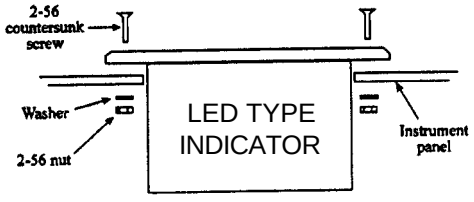
INSTALLATION INSTRUCTIONS FOR THE RP3 LED INDICATOR

The RP3 LED type position indicator uses ten LED lights to show you the position of the servo output shaft. Although we have used some of the brightest LED lights available, direct sunlight will still affect your ability to see the active light. Because of this, the position indicator should be mounted somewhere in the shade on your panel, preferably just under the sun shield.

For night flight, the bright LEDs can be dimmed. This dimming function is activated when the white wire is connected to 12V+. Note that this dimming function is either ON or OFF, it is not designed to be connected to a panel light rheostat. The dimming function is OPTIONAL and does not have to be used (just cut off the white wire).

CAUTION!! DO NOT use the LED type indicator with an alternator, rectifier or a battery charger without a battery in line. It is for this reason that we suggest wiring the indicator into the avionics side of your aircraft's electrical system.

Use the dimensions shown below to cut the mounting hole for the indicator. The RP3 LED indicator is mounted with the two 2-56 countersunk screws, nuts, and washers provided. Wires as small as 28 gage may be used. Wiring connectors are not included. Use any type desired, or simply solder all connections and insulate with heat shrinkable sleeving. A separate 1 amp fuse or circuit breaker is recommended (see caution above).



PANEL CUT-OUT
(NOTE: DRAWING NOT TO SCALE)