

ACE R/C, Inc.
 BOX 511 HIGGINSVILLE, MO. 64037

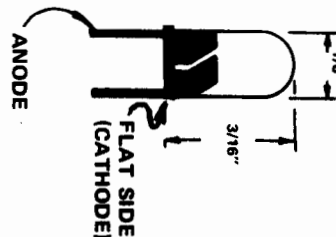
from

TRANSMITTER ON-OFF INDICATOR - No. 22K22

RECEIVER ON-OFF INDICATOR - No. 22K23

SMALL LED (SM - 101) No. 22K24

SM-101



The lens is red and diffused--produces red visible light. Excellent on to off contrast.

OPERATIONAL MINIMUMS AND MAXIMUMS

Min I = 4.2 ma.

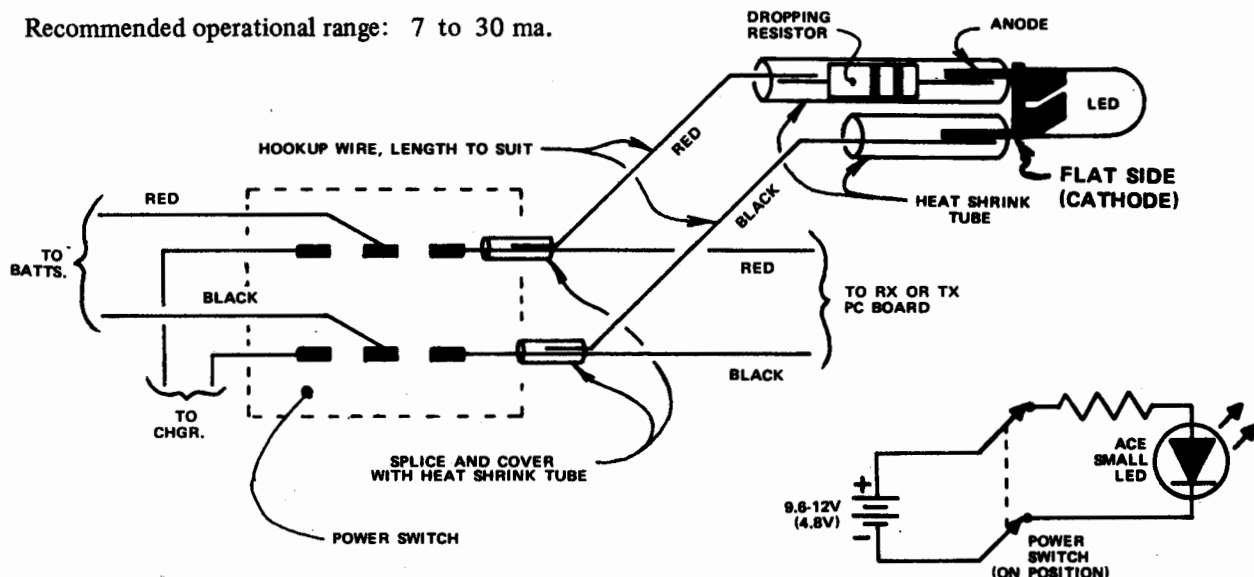
Max I = 35 ma.

Min E = 2V.

Minimum values are for achieving what we consider minimum operational light intensity.

Recommended operational range: 7 to 30 ma.

APPLICATIONS FOR THE ACE SM-101 LIGHT EMITTING DIODE



ON-OFF INDICATORS

A light emitting diode on-off indicator for your transmitter or flite pak is easy to wire and install. All that is required is splicing into the power wires after they go thru the switch so that power goes to the LED only when the switch is on. Also a dropping resistor needs to be wired in series to adjust the current to the LED. For a 4.8V flite pak, a 470 ohm (yellow, violet, brown) is needed; for a 9.6-12V transmitter a 1K ohm (brown, black, red) is suitable. These resistor values will give maximum intensity for a minimum current drain.

The recommended way to mount the LED is to slip it into a No. 0 servo grommet which has been inserted in a hole in the transmitter case. This gives a tunnel for the diode which is better in direct sunlight. For the receiver on-off indicator just poke the LED through a hole in the side of the fuselage.

Refer to the sketch and circuit diagram for the wiring specifics. The most important thing to keep in mind is polarity. Make sure positive (red) goes thru the dropping resistor to the anode of the LED. The anode is identified by being opposite the flat side on the case.

Be careful to maintain good, solid joints when soldering and cover all joints with heat shrink tube to prevent shorts. Always take your time and do a nice, neat, clean job and make sure there are no undue stresses on any of the wiring.

You'll find the LED gives a visible red glow when the system is on.