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LRM-2 DUAL METER REMOTE INDICATOR

INSTALLATION AND OPERATING INSTRUCTIONS

CAUTION: The LRM-2 Remote Indicator is wired for 12V. DO NOT use this instrument in a 24V system without first modifying it in accordance with directions given in this document.

The LRM-2 dual meter remote indicator is designed for aircraft installations where space does not permit mounting the LA Series receiver in easy view of the pilot. The indicator may be attached to any model of the L-Tronics LA Series Aircraft Direction Finders. It will provide simultaneous strength and left-right homing indications for all models, including those that have only a single panel meter.

Installation requires finding a suitable place on the panel for the indicator, running the indicator cable to the back of the DF set, installing a simple modification in the DF set, and modifying the existing DF power cable. The kit supplied with the LRM-2 Remote Indicator contains all required material except the mounting screws or other hardware for the indicator. Some soldering is required and Molex .063 dia. crimping and extraction tools are desirable.

The modification will not affect the interchangeability of DF receivers. If an unmodified receiver is connected to a modified installation (or vice versa), only the DF meter in the remote indicator will operate; no damage will result. The dial light jumpers in the back of the remote indicator will have to be set to the proper voltage for the aircraft, 12 or 24V.

INDICATOR INSTALLATION

The indicator can be mounted in the space between instruments using screws through the back or on top of the instrument panel, using the swivel bracket supplied. Many pilots have found that mounting the indicator forward near the junction of the instrument panel and the bottom of the windshield allows them to watch the meters "out of the corners of their eyes" while watching the outside terrain. In most cases, the meter mounted here will not obstruct the outside view.

A self-adhesive foam pad must be mounted on the inside of the back cover so that it presses against the circuit board when the indicator case is closed. This pad is supplied loose to give access for back mounting screw installation. If the indicator is mounted by its back, countersunk flat head or thin braiser head screws should be used to minimize the possibility of shorts to the circuit board. The back and mounting bracket are supplied undrilled to accommodate installation variations.

There are two plug-in jumpers on the PC board in the indicator that select the proper dial light voltage. The units are supplied with two jumpers in place in the 12V position, as shown in Figure 1. To change the unit to 24V, move one jumper to the horizontal position as shown in the figure and discard the other one.

CAUTION: THE WARRANTY SPECIFICALLY DOES NOT COVER DAMAGE CAUSED BY OPERATION AT THE WRONG VOLTAGE.