

ASTROTECH

AT420100 LC-2 Chronometer with Internal Battery Installation Instructions

12 or 24 Hour Chronometer: If standard 12 hour time of day is desired no changes are necessary as all units are shipped in the 12 hour configuration. For the 24 hour configuration remove the rear case and locate the 12/24 hour slide switch at the bottom left side of the circuit board. Slide the switch to the center of the chronometer. Attach the rear case. The 12 hour configuration may be selected at any future time by sliding the 12/24 hour slide switch away from the center of the chronometer.

NOTE: In the 24 hour configuration the clock annunciator on the display will not appear. Chronometer or Timer function is indicated only by the Timer annunciator on the display.

Installation in Panel: The LC-2 is designed to fit a standard 2 1/4" round instrument cutout. Mounting screws must be no longer than 1/2". The weight is 4 ounces.

Electrical Connections: Connections to the aircraft electrical system are required for the operation of the backlighting of the display. A ground must be connected to the case or the lighting will not work as the mounting screws do not make electrical contact. For 14 volt backlighting the lamp should be a #53, for 28 volt backlighting it should be a #1819, for 5 volt backlighting it should be a #1850 (not supplied).

Battery Replacement: Chronometer and timer operations are provided by a single 1.5 volt AAA battery. Depending on the battery quality and age, its life should be two years or more with the 10 microampere maximum chronometer current drain. Remove the rear case by removing the single retaining screw. Replace the battery in the snap-in battery holder with the battery positive terminal facing the end of the holder with the red wire attached. Replace the rear case and tighten the screw. Be sure the wires running to the battery holder and also those through the case are routed as originally found and clear of the case mounting spacer.

CAUTION: Do not mark or scratch the circuit board or attached components.

Installation Approval: The installation must be accomplished in accordance with AC43.13-2 "Acceptable Methods, Techniques and Practices, Aircraft Alterations". If the chronometer is not listed in the Aircraft Equipment List a FAA form 337, "Major Repair and Alteration" must be filed. The LC-2 meets the Radio Frequency Standards of MIL-STD-461 and RTCA DO160A.

Any Problems or Comments: Contact the manufacturer if you have any problems. We will be happy to help you. Your comments would be appreciated.

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