

ELECTROTEK R/C

Manufacturing Tomorrow's Products Today for
More Fun, Safety & Enjoyment

S.O.S II

The S.O.S. II is an audible alerting instrument designed primarily for locating downed aircraft after a pre-determined period of time has elapsed. The time out circuitry is adjustable which also allows the device to be used as a flight timer for nitro, gas and electric powered aircraft.

Features

- Built in Lithium 200mAh power supply
- Built in 110 db warbling piezo sounder
- Remote enable micro switch
- Remote micro PB time out switch
- Enable signal
- Adjustable timing circuit—approx 5-30 min range
- Shock/vibration proof
- Moisture and fuel resistant

- High Impact ABS case
- Add on optional LED visual warning
- Lifetime Warranty



Installation—Airplane

Slide Switch—Enable / Disable control

1. Mount anywhere convenient with $< 5/32$ " surface
2. Cut $1/8$ "H X $1/4$ "W rectangular hole for slide button.
3. CA $1/2$ " long scrap strip of $1/4$ " balsa to inside surface to act as shelf to glue bottom of switch to with slide button inserted through cutout.
4. Glue switch bottom to shelf top (button through hole) using thick CA, hot glue, Gorilla glue, etc.

Push Button (PB) Switch—Begin time control

1. Next to slide switch (or wherever desired) drill $9/32$ " hole in $1/8$ " or less surface.
2. Insert switch and secure with nut/washer.

ABS Case

Soft mount within foam or just stick to inside flat

surface with servo tape and/or hook & loop.

Power supply

1. Requires two (2) Lithium-Magnesium Dioxide coin type cells. Radio shack #CR 2032 or 2430 or comparable
2. Insert cells with (+) sign facing upwards
3. Use $1-3/4$ " long X $3/4$ " wide strip of electrical tape to prevent dislodging from shock or severe vibration. Just wrap side to top to side to keep coin cell securely in place.

Operation

1. When ready for flight, enable with slide switch. This will activate the piezo.
2. Push the PB switch to begin time out sequence
3. Piezo will sound when time out sequence elapses.

Timing Adjustment

1. On the case top there are two (2) holes. The hole closest to the wiring exit is the adjustment micro-pot.



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1. screwdriver insert through hole and gently feel around to seat slot head into micro-pot.
2. Turning left (counter clockwise) to stopper increases time, right (clockwise) decreases time. **Caution** : Use light turning action when adjusting to left or right stoppers. Avoid turning beyond stoppers. They can break when too much force is applied.
3. Timing range varies from unit to unit because of the timing capacitors tolerance rating of (+) or (-) 20%. Approximate time range is min of 5-8 min and max of 30-32 min.
4. The micro pot timing adjustment is linear. Example: if your S.O.S. min time is 7 min and max time is 31 min. the difference is 24 min. meaning if you turn the pot 1/3 of the way - $7+8= 15\text{min}$. 1/2 turn = $7+12\text{ min} = 19\text{ min total}$.

Tech Data:

- Supply Voltage: 3vmin - 7.4v max
- Current Drain: when timed out = 700 micro amps (.7ma). During alarm = 90ma
- Power Supply Service Capacity: CR 2032 = 200mAh CR
2430 = 220mAh
- Case Dimensions: 1-3/8"W x 2-1/8"L x 9/16H
- Module Weight 30 grams (approx 1oz)
- Piezo Sound Intensity = 110db @ 6v

LIMITED LIFETIME WARRANTY

The S.O.S. II is warranted to be free from defects in material and workmanship for the lifetime of the original purchaser. If this product becomes defective, return it along with \$9.95 for shipping & handling to Electrotek R/C, 14667 Lafayette Circle, Magalia, CA 95954 and it will be repaired or replaced at no additional charge for material or labor. Electrotek R/C is not responsible for damages or injuries that may result from exceeding its stated application ratings. In the event this product becomes defective from misuse on the abuse of its intended application for R/C models, this warranty shall become *null and void*.