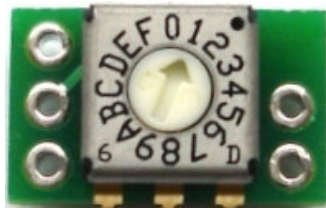


# RC Timer

**Electronic timer with pre-programmed times for F1H planes**



**Manual version: 1.0**

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## **Introduction**

RC Timer was designed to replace mechanical timers in free flight models. It was designed for F1H category. This electronic timer provides precise timing to activate dethermalization.

## **How it works**

On RC Timer there is rotary switch with 16 positions. After power on, servo lever goes to start position and start to count down time until it runs out. User can select one of pre-programmed times with rotation of rotary switch and that time will start to count down. If reset button is pressed the count down time will reset. Timer will wait until reset button is released and than it will start count down again from beginning. After time out, servo lever goes to end position and waits there until different time is selected or reset button is pressed. After that servo goes to start position again and selected time starts to count down again.

## **Key features**

- Small and lightweight at only 1 gram.
- 16 pre-programmed times
- Precise timing
- Low price
- Low input current

# RC Timer module

Figure 1 shows how to connect RC Timer module.

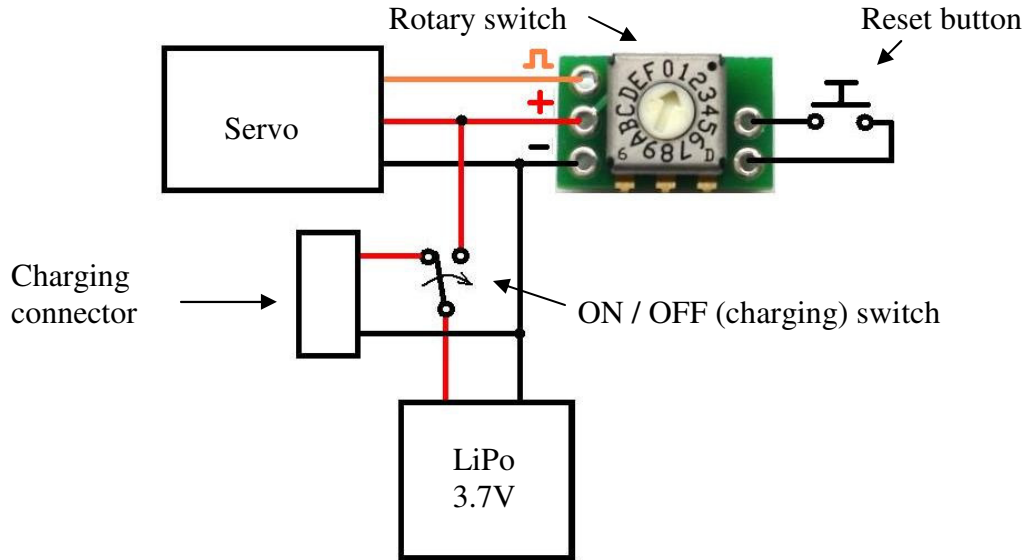


Figure 1. The RC Timer module

## Selectable times

|         |         |
|---------|---------|
| 0: 15s  | 8: 140s |
| 1: 30s  | 9: 180s |
| 2: 50s  | A: 200s |
| 3: 60s  | B: 240s |
| 4: 80s  | C: 260s |
| 5: 90s  | D: 300s |
| 6: 110s | E: 320s |
| 7: 120s | F: 360s |

## Specifications

|                                |  |
|--------------------------------|--|
| Board Dimensions               | 14 mm x 9 mm x 7 mm<br>0.55" x 0.35" x 0.28" |
| Weight                         | 1 gram                                       |
| Input Current                  | ~1.5 milliamps                               |
| Temperature Range <sup>1</sup> | -10°C...+60°C                                |
| Input Voltage Range            | 2.7 – 5.5 volts DC                           |

<sup>1</sup> Specifications are taken from component ratings and system limits and may not have been tested to the full extent of the specified ranges.