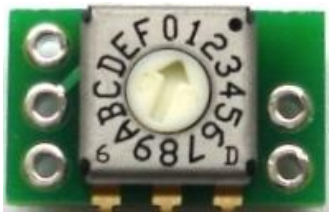
RC TIMER

Electronic timer with pre-programmed times for F1H planes



Manual version: 1.1

RC Electronics
support@rc-electronics.org; http://www.rc-electronics.org

Contents

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 a rotary switch with 16 positions. After power ON, servo leaver goes to start position and starts 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 then it will start count down again from beginning. After time out, servo leaver 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.

Specifications

Board Dimensions	14 mm x 9 mm x 7 mm 0.55” x 0.35” x 0.28”
Weight	1 gram
Input Current	~1.5 milliamps
Temperature Range[1]	-10°C ~ +60°C
Input Voltage Range	2.7 – 5.5 volts DC

[1] Specifications are taken from component ratings and system limits and may not have been tested to the full extent of the specified ranges.

Physical overview

Figure 1 shows how to connect the RC Timer module.

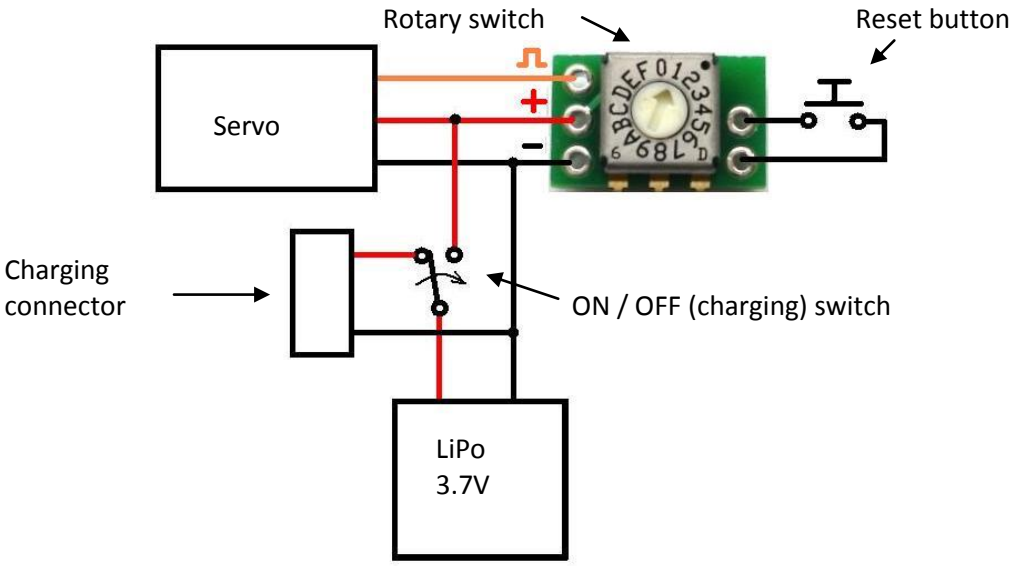


Figure 1: The RC Timer module.

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