

# Magic Timers Tech Note – 1.1

## Safety

You have bought Timers from us before so we are not sending to you e-mail address copies of the documentation. However if need documentation or help, please do not hesitate to e-mail us.

Magic Timers are a family of electronic timer for free flight competition model airplanes, It is an experimental device sold “as is”, and is intended for competition use by experienced flyers.

**Before flying** your airplane make sure that the timer is working properly on the ground. The timer is only one part of the control system for your free flight model airplane. It starts with airframe. Make sure that all is properly constructed and put together so that there will be no unintended flying surface movement in flight and that parts will not fall off the airplane in the air. The timer, together with it's battery, start button or tow hook one or more servos, electric motor controller an optional radio D/T plus the wiring that connects all of those parts must be in perfect working order. All of these parts can wear out with time, be damaged by a hard landing or improper handle or storage of the model between flights. Always inspect the model regularly to make sure that all is functioning properly. If in doubt do not fly the model.

If you are using **Lithium Polymer** batteries remember that these batteries can deliver a high current which with a damaged battery or damaged wiring can caue a short circuit and possibly a fire so take care.

No matter what kind of battery you **ONLY** charge the batteries with the charger type recommended for the battery and the rate appropriate for the battery size.

If the timer is a **VR** type of timer, this timer may have a simple linear voltage regulator. This may get hot under heavy load so make sure that air can flow over the timer and that nothing is touching any of the electronic components on the timer. The timer should not get hot when at rest, i.e. the servos are not move and the buzzer not buzzing.

The timers are shipped with out a casing; this is to keep them as light as possible. They must be mounted in a clean, dry spot in the airplane. There are exposed metal surfaces that have low voltage electric current flowing through them. Make sure that this is not exposed to any conducting material, such as metal filings or carbon [graphite dust].

If you have questions be sure to e-mail us: at [magictimers@yahoo.com](mailto:magictimers@yahoo.com)

*“We count the seconds, the rest is up to you.”*

