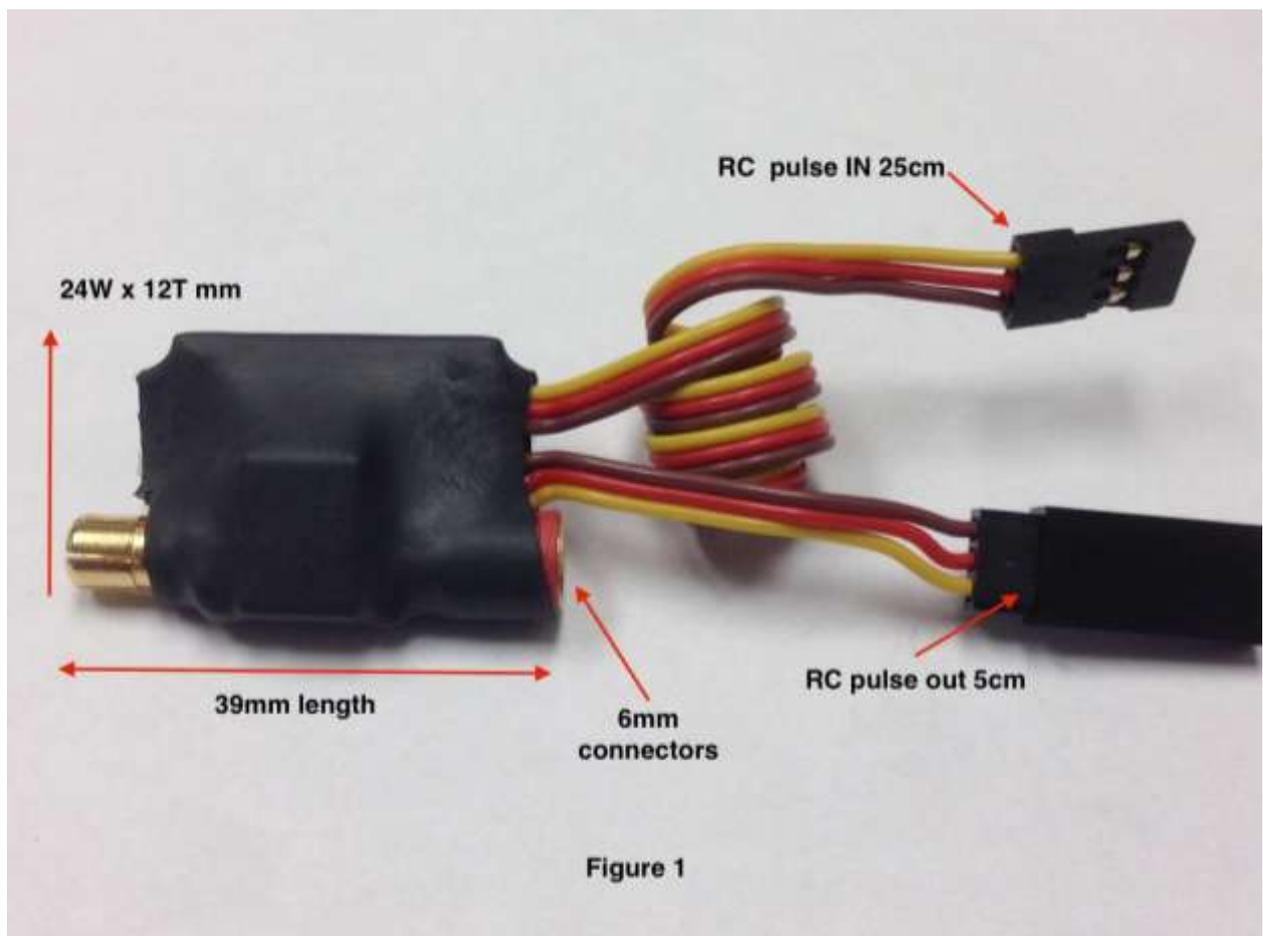


# Contestant Instructions for NeuMotors F5D Limiter (F5DEL) Version 1.1

**General Description :** The F5DEL is compact device designed to accumulate WM when current is flowing to the speed control and to cut the throttle off when the preset limit of 1000WM is reached. The current



sensor works both directions so the positive battery lead can either male or female 6 mm connector.

**Installing the device:** The F5DEL must be installed in line with the positive battery supply. 6mm connectors are used and the device can be installed either direction as the sensor is bi-directional. The ground return is through the RC system so to function correctly the female RC pulse “out” must connected to a speed control that does not have optical isolation. The 25cm long RC pulse IN male plug must be connected to the throttle channel that commands the motor. In most cases the best place to install the F5DEL is in the gap between the motor controller and

battery. Route the RC connectors along the bottom or sides of the fuselage and use tape to keep them out of the way.

**Operation:** The F5DEL has no user adjustable settings - it's operation is very simple. When power is applied the F5DEL "zeros" out the energy accumulator. When the RC pulse is increased above 1.2ms the F5DEL looks for motor current and when detected starts to accumulate WM. The motor will be stopped once the energy limit of 1000 WM has been reached. The motor cutoff will continue for 10 seconds after which additional motor run time will be allowed until the additional 10% energy limit is reached at which point another 10 second motor will occur. This sequence will repeated until the model lands.

**General specifications:**

Size: 39x24x12mm

Weight: 18 grams with cables

Operating voltage: 8-30 volts

Current sensor: Hall 200 amp

Power Connectors: 6mm

RC connectors: JR/Fut

----- END