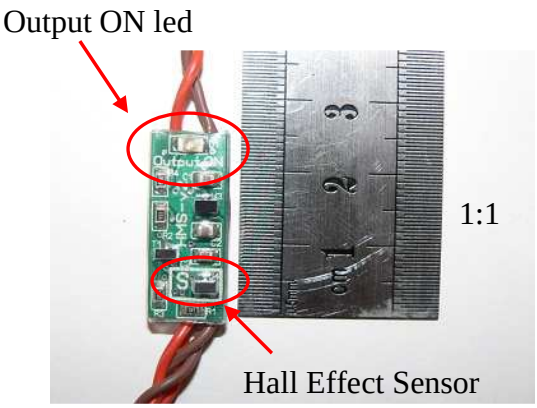
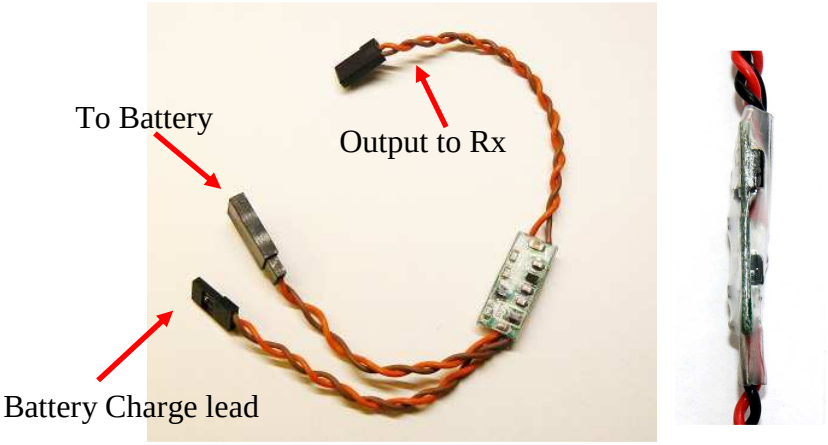
NEW Hall Magnetic Switch v2 NEW





Installation & Use: -

Place the switch as close to the fuselage or wing surface as possible and mark where the sensor is located on the outside (Sensor marked "S" on the PCB). Use a piece of double sided tape and/or a piece of sponge to hold the switch in place.
When the switch is plugged into the power supply for the first time it will turn on. To turn the switch off place the supplied magnet over the sensor for 3 seconds without interruption and the output will turn OFF. **TIP:** count **1**, **1000**, **2,** **1000**, **3, 1000**.
To turn the magnetic switch ON just swipe the magnet over the sensor. Please ensure a full range check of the model is undertaken prior to use.

Features: -

- Oscillation free – (Turn your model on/off with ease. You cannot accidentally turn the model off when you turn it on).
- Positively switched – Ideal for electric models, esc safe, there's no need for an opto isolator.
- High current switch – The switch allows up to 20 A of constant output current depending on the wires csa and length.
- Surface mounted components – vibration safe.
- Customisable switch off time (On request).
- Safe and reliable : -
    1. Default ON - if the battery is disconnected and then reconnected the output will turn on every time. I.e. brownout due to bad battery connection.
    2. The magnetic switch is programmed to sample the magnet over the sensor for a set period of time without interruption and only then will it turn the output off.
    3. Extremely resilient to magnetic interference due to the switches microcontroller that is programmed with an algorithm (2).
- 2.5mm Smaller in length than V1.
- Quiescent (standby current) now only 5µA (Micro ampere's). A charged 2000mAh battery will last over 8 years.

Ratings		
	Min	Max
Supply Voltage	3V	8.7V
Dropout voltage (Input vs output)	100mV @10.2A	
Continuous Operating current	-	~ 20A
Peak Output current	-	~ 50A
Standby Current (Off State)	-	~ 5µA+/- 10%
Operating temperature range	-40°C	+80°C
Dimensions	25.2 x 11.5 x 6mm (0.992" x 0.452" x 0.236")	
Total cable length	Approx 230mm (9.0551")	
Weight Including all cables	-	~ 9g (0.32oz)

Warning!! – Reversing the polarity of the supply may harm the switch. Please don't remove the protective heat shrink covering. Doing so will void any warranty. The switch will still operate under 3V but the LED will not be visible. This is not a voltage regulator it is only used as a switch thus switching the battery voltage to your receiver, servos etc. It is not recommended to install the switch near electric motors and servos or anything that can create a magnetic field (110 Gauss operates the switch). We will not be held liable for any accidents caused by improper use or incorrect connection of our devices. It is up to the operator to maintain his/her Health & Safety. We will not be responsible for damage caused by external influences. Use at your own risk.

Website: www.practicalrc.com

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