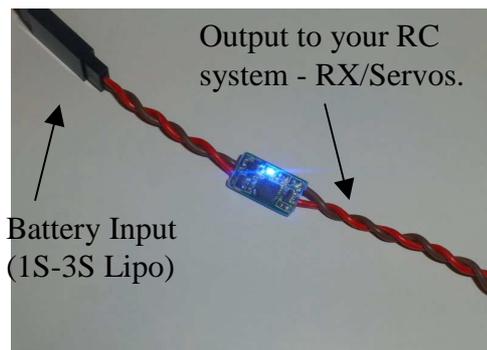
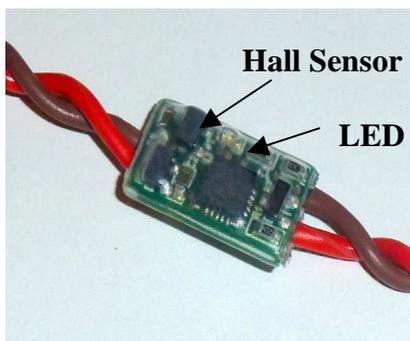
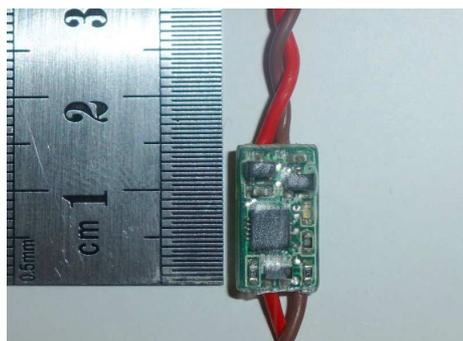


# Pico Switch

Swipe  3 Second



## Installation & Use: -

**"3 Second" Version** - When the switch is plugged into the power supply for the first time the output will turn on and the LED will flash. Place the switch as close to the fuselage or wing surface as possible. To locate the sensor simply sweep over the predicted sensor location, when the switch senses the magnet the LED will go solid (ON) indicating the perfect position. Use a marker pen and mark where the sensor is located and use a piece of double sided tape and/or a piece of sponge to hold the switch in place. To turn the switch off, place the supplied magnet over the sensor and the LED will go solid (ON) then count for 3 seconds or more without interruption and both the LED and output will turn OFF.

**The "Swipe" version** - Simply swipe the magnet over the sensor (slowly) to turn the output ON/OFF. Please allow 1.5 seconds between turning the switch OFF and then ON again.

## Tips: -

**3 Second Sample:** To turn the switch OFF count **1, 1000, 2, 1000, 3, 1000.**

To turn the magnetic switch ON just swipe the magnet over the sensor.

**Swipe:** 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: -

- Intelligent firmware indicates when the switch is sensing the magnet for ease of use.
- 3 SECOND version - Under normal working conditions (ON STATE) the LED flashes reducing the current consumption of the switch.
- Swipe version - The Blue LED is on constant until turned OFF.
- Our magnetic switch utilises a Hall Effect Sensor (no mechanical switching parts). Careful firmware design ensures that stray magnetic fields cannot toggle the switch incorrectly; we guarantee 99.9% operating under normal conditions.
- Positively switched – Ideal for electric models, esc safe, there's no need for an opto isolator.
- Surface mounted components.
- 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.
  4. We use the highest quality components and our products are not made down to a price.

Ratings		
	Min	Max
Supply Voltage	2.8V	13V (3S Lipo)
Dropout voltage (Input vs output)	130mV @2A	
Continuous Operating current Cable size (CSA)	HLG 2A 26AWG	22AWG ~ 6A for short periods.
Peak Output current	3A (Max)	~ 8A (Max)
Standby, Quiescent current (Off State)	-	~ 4µA
Operating temperature range	-40°C	+80°C
Dimensions	15x8x4mm (0.5905" x 0.3149" x 0.1574")	
Total cable length	Approx 140mm (5.5118")	
Weight Including all cables	-	~ 3g (0.107oz)

**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. 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](http://www.practicalrc.com)

<b>Pico Hall Magnetic Switch</b>	
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