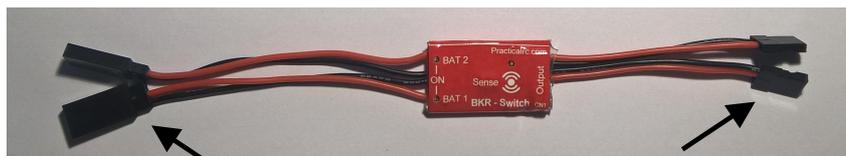


BKR - Switch

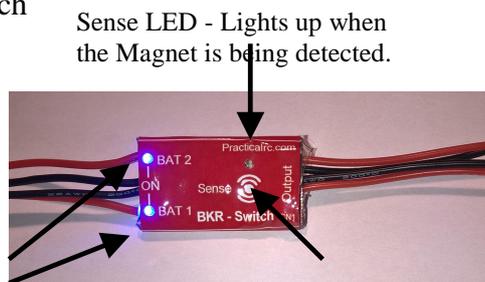
Battery Backer + Magnetic Switch



Battery Inputs- Bat 1 & Bat 2.

Output to rx system

Battery Indication LED's. These LED's let you know if either battery is NOT connected.



Sense LED - Lights up when the Magnet is being detected.

Sensor location "Sense"

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. Note: the LED is Solid ON, on the SWIPE version. 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 the output will then turn OFF and the LED will flash to confirm until the magnet is moved away.

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/OFF just swipe the magnet over the sensor.

Please ensure a full range check of the model is undertaken prior to use.

Features: -

- Our intelligent Magnetic Switch knows what state its in. If the switch is turned off, it will remember this for Seconds. If unplugged when turned ON the switch will be default ON.
- **Battery Backer** - both Bat1 & Bat2 can be a battery or BEC. Both supply's may be used simultaneously if the voltages are the same, if a battery fails or goes under voltage the switch will disconnect that battery from the circuit, if it recovers, the switch will re-engage it.
- **Sense LED - Our switches have an interactive feature** - The LED flashes under normal use, when the magnet is placed over the active area , the LED goes solid "ON" as the magnet is sensed, as soon as the timer has counted 3 second the LED goes "OFF" and gives a confirmation FLASH until the magnet is moved away.
- **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 utilizes 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.
- Safe and reliable : -

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.

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.

Extremely resilient to magnetic interference due to the switches microcontroller that is programmed with an algorithm. We use the highest quality components and our products are not made down to a price.

BKR - Hall Magnetic Switch	
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	Ratings	
	Min	Max
Supply Voltage	4V	14.5V- 2-3sLipo, 2-4s Life
Operating current	22AWG ~ 7A	20AWG + ~20A
Cable size (CSA)		
Peak Output current	~ 14A (Max for seconds)	~ 50A MAX peak
Standby Current (Off State)	-	~ 4µA (Note1)
Operating temperature range	-40°C	+80°C
Dimensions	37mm x 22mm x ~8mm (1.456" x 0.866" x ~0.315")	
Total cable length (Each)	Varies	
Weight Including all cables	-	Varies

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. Our data sheet can be changed at any time without prior notice.