

MOS FET SPEED CONTROL (ONE WAY)

Model: SP-1801/SP-1802

FEATURE

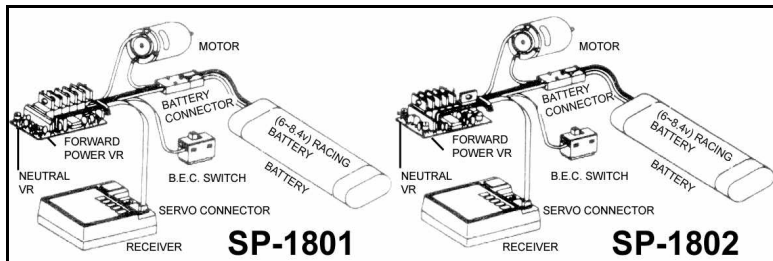
- No Power loss due to using MOSFET
- B.E.C. (Battery Eliminator Circuit)
- Neutral/Forward Position Adjustor
- Auto cut-off system (1801 only)
- Brake (1802 only)

SPECIFICATION

Model	SP-1801	SP1802
Maximum pulsed drain current	720A	600A
Continuous drain current @ $T_c=25\text{ C}$	180A	150A
Drain source resistance	0.008 Ohm	0.01 Ohm
Auto cut-off voltage	3.6V	None
BEC out voltage	5.6V	
Operating voltage	6.0-8.4V	
Weight	36g (1.27oz)	
Size	21x42x17mm(.82x1.65x.67in)	

OPERATION

1. Connection



2. Operation

- a. After checking that the connections are complete turn the power switch “on”. Be careful as motor may start to turn.
- b. Turn on the transmitter.
- c. Adjust neutral/forward position adjustor

3. Neutral Volume

Place the throttle stick lever and trim lever of the transmitter to neutral then adjust this volume so the motor stops running which is the neutral point.

4. Forward Volume

Using a screwdriver, adjust this volume so that the full speed is realized at the position of throttle stick the user desires.

CAUTION

1. No need to use an additional power source for the receiver.
2. Turn the BEC switch to “off” when not using and remove the battery.
3. Keep away from water. The unit will stop operating if water enters. If this happens, completely dry before using again. If water was corrosive (salt or brackish), completely cleanse and dry.
4. Auto cut-off (model SP-1801 only)
 - a. Once auto cut-off is activated, the throttle stick will not operate until the BEC switch is turned off and on again.
 - b. If old and damaged battery is used, the auto cut-off activates immediately so motor will not turn.
5. For Model SP-1802 only
When the car is caught and held by an obstacle, do not keep pushing the throttle over 60 seconds. This will cause over current and burn up the MOSFET.