

SRC Opto Switch

Fotocoupler Electronic Switch

USAGE MANUAL ^{V1.0}

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CONNECTIONS

FIXING:

Use a Velcro strip to the bottom for fixing it.
In any case preventing as much as possible the effects of vibration is recommended.

SWITCH CONNECTION:

Connect the 3 wires cable to the receiver in correspondence of the channel that you have chosen for controlling the switch.
We suggest to use a 2 positions switch of your transmitter with ATV, D/R at 100%.

Connect the 2 wires cable with UNI plug (input of the switch) to the battery you want to use for supplying the ignition unit.

Connect the 2 wires cable with UNI socket (output of the switch) to the ignition unit.

Dear Customer,

we express our thanks for your purchase of a SRC Opto Switch with fotocoupler.

It is the best device for a safe supplying of petrol engine electronic ignitions.

It joins together an electronic switch controlled by the receiver, with a fotocoupler that ensures the electrical insulation between the receiver and the ignition system of the engine.

Thanks to the SRC Opto Switch you will be able to control ignition on and ignition off only moving a two positions switch on your transmitter.

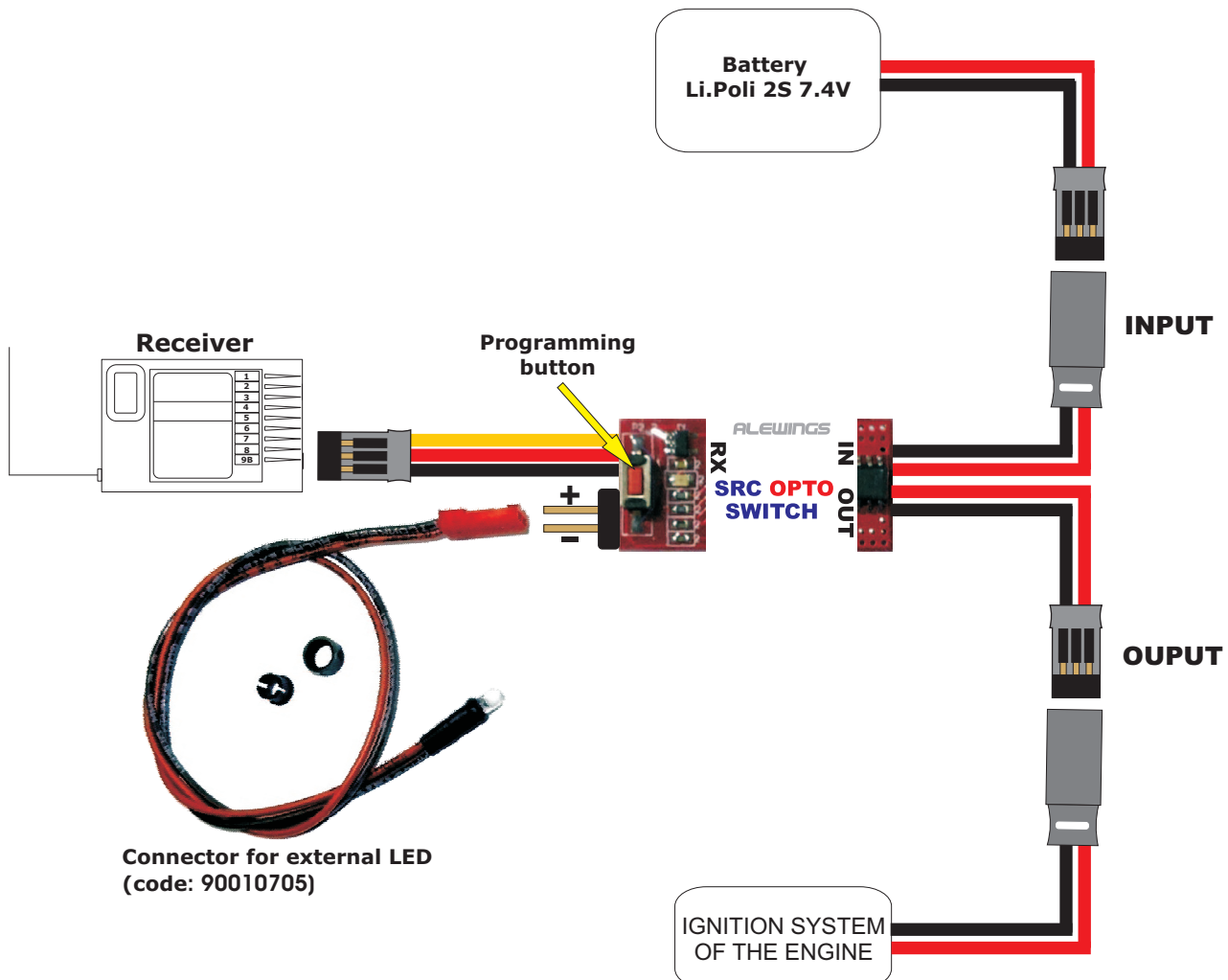
USAGE

After connecting the device as shown in the "Connections" paragraph and programming it as shown in the "Programming" paragraph, you are ready to use it.

When you connect the battery, the LED emits three quick flashes. Move the switch on your transmitter to turn the device on/off and to power your engine ignition system.

If the LED on you device glows it means that the circuit is closed and the load is powered. If the LED is off the circuit is opened and the load doesn't receive any power.

PICTURE 1



PROGRAMMING

In order to adapt the usage of the RC Opto Switch to your needs, you can set some important parameters as shown below.

RESET

This function resets the device to the default options and deletes any programming carried out by the user.

Hold the button pressed in and at the same time power the device, previously connected, turning the receiver on. The LED glows fix for two seconds and then emits 3 quick flashes.

Now the RC Opto Switch is set according to factory options, i.e.:

-Fail safe: activated. If signal from the receiver is lost, the switch automatically goes in open position.

-Reverse: deactivated. With the control under the commutation point the circuit is open, otherwise is closed and the load powered.

-Commutation point of the switch: (is the threshold on which the circuit opens) with the transmitter control under this point the circuit is open, with the control over the circuit is closed and the load powered.

PROGRAMMING FAIL SAFE, REVERSE AND COMMUTATION POINT

Make sure that the transmitter is on and the RC Opto Switch is connected to the designated channel of the receiver. To enter the programming menu turn the receiver on and consequently hold the switch button pressed for at least 3 seconds. The LED will emit 3 series of 3 quick flashes to confirm you entered the menu.

- *Programming "Fail Safe" options:* after the 3 series of 3 quick flashes the LED will emit 1 or 2 slow flashes indicating the fail safe options:

1 flash: fail safe is activated = if the receiver signal is lost, the circuit is opened

2 flashes: fail safe is deactivated = if the receiver signal is lost, the circuit is closed

To change the options set, hold the button pressed briefly. Every time you press it, the fail safe options are changed from one modality to the other and the LED emits the flashes corresponding to the chosen modality.

To save your choice and continue the programming, hold the button pressed for at least 3 seconds.

The LED emits 3 series of 3 quick flashes to confirm.

- *Programming "Reverse" options:* make sure that moving the control on your transmitter from the lower to the upper end point the switch changes from opened to closed. If you need to invert this logic, hold the button pressed briefly to activate the reverse option. Every time you press it, you will activate deactivate the reverse.

Check your choice by moving the control on your transmitter.

To save your choice and continue the programming, hold the button pressed for at least 3 seconds.

The LED emits 3 series of 3 quick flashes to confirm.

- *Programming the "Point of commutation":* move the control on your transmitter (stick, switch, potentiometer) to the point chosen for the commutation. Hold the button pressed for at least 3 seconds to save this point of commutation and to go back to operation mode.

If the commutation point is still correct when you enter this programming section, hold the button pressed briefly to come back immediately to the operating mode.

ATTENTION: if the control on your transmitter is a two positions switch, you don't need to program the commutation point. In this case hold the button pressed briefly to come back to the operating mode.

WARNING



This is not a toy.

Pay close attention to the following points, as the non observance of them can destroy the product, nullify your warranty and lead to property damages or personal severe injuries!

- Never leave the product unattended while it is switched on, in use or connected with a power supply. If a defect occurs, it could set fire to the product or to the surroundings.
- Avoid incorrect connections or connections with reversed polarity.
- All wires and connections have to be well insulated. Short-circuits might destroy the product.
- Never allow this product or other electronic components to come into contact with water, oil, fuels or other conductor liquids, as these could contain minerals, which are harmful for electronic circuits. If this happens, stop the use of your product immediately and let it dry carefully.
- Always wire up all the parts of the equipment carefully. If any of the connections loosens, due to vibrations, you might damage your device.
- Never cut off or modify the original plugs
- Never change the polarity of the receiver connectors
- Do not open the product and never solder on the PCB

SPECIFICATIONS

Dimensions:	32x16mm
Weight:	10gr including cables and connectors
Input supply voltage (from the receiver):	from 5,2V to 8,4V
Current drain:	10 - 25mA MAX
Working temperature:	-10 up to +60 °C
Commutable battery Voltage:	up to 30V
Commutable Current:	6A peak

These specifications may be changed without advance notice.

WASTE DISPOSAL



At the end of its life cycle this product is subject to special waste disposal and it cannot be disposed with urban waste