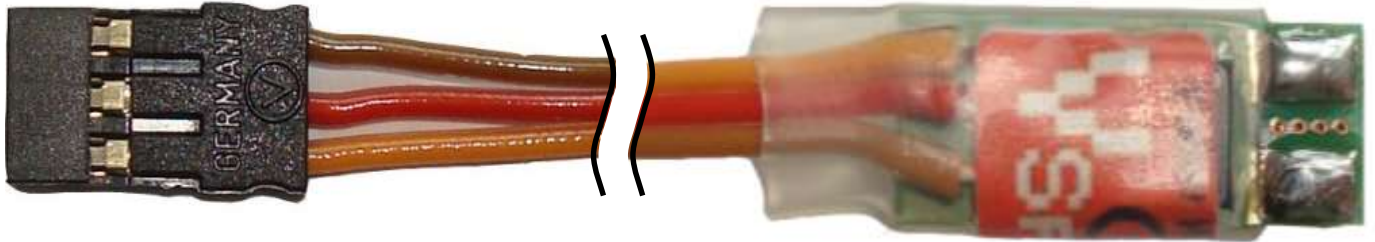


Electronic Relay 15A



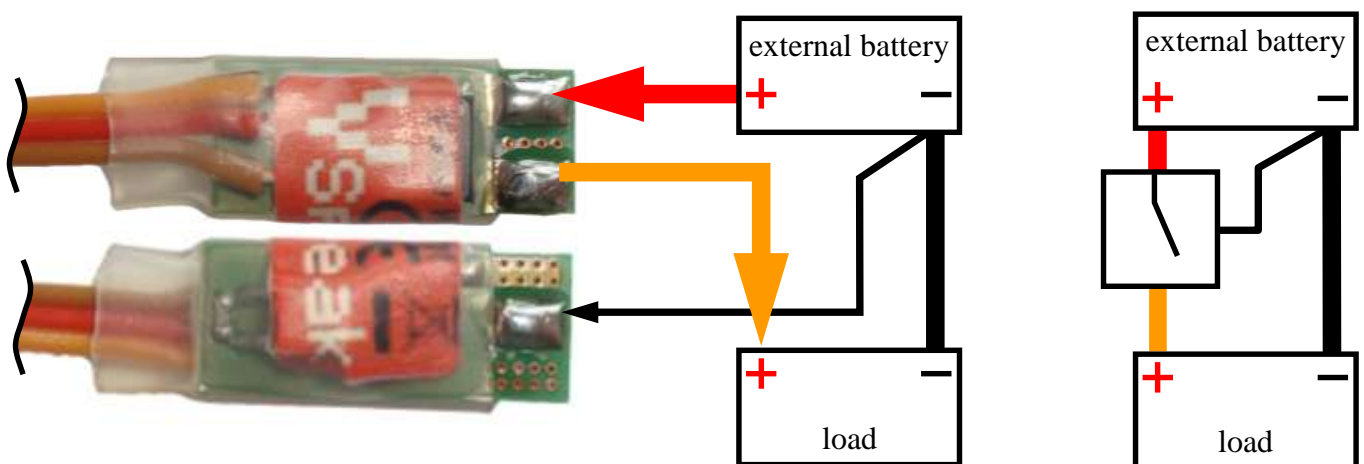
1 Description

The electronic relay works like a conventional mechanical relay, in which a **galvanic separation** is ensured between the control circuit and switch contacts - but by the elimination of mechanical contacts the electronic relay is less susceptible to interference.

The electronic relays can be connected with its power plug directly into an available slot on the receiver (or ... by a V cable). The receiver independent circuits are automatically switched on when switching on the receiver e.g. power supply of lighting, electrical chassis, turbine controls

The electronic relay is controlled by a voltage between the positive (red power cable) and minus (brown servo cable). The orange power is only for cable relief. It has no electrical function.

On the solder pads the electronic relay can be connected to the external circuit (do not interchange connections!)



The negative terminal of the electronic relay must be connected as a reference potential. In contrast to the terminals of the switched positive pole it can be executed with a very small cross-section. See the Connection diagram and equivalent circuit diagram above.

After the solder connections are made shrink the area of solder pads with the supplied shrink tube.

The electronic relay can be mounted in the model with double-sided tape, hot glue, etc..

2 Technical Data

Control voltage	2,5 ... max 8,5V
Control current	8mA at 2,5V 24mA at 5,0V 45mA at 8,5V
Switching voltage	max 15V
Switch current	max 15 A (40 A burst)
Power consumption	ON: about 2mA OFF: ~0 mA (max 0,001 mA)
Size	20 x 9 x 6 mm (PCB)
Weight	3 g (incl. cable and connectors)
Connectors	30 cm Servo cable (0,14 mm ²) 3 solder pads: battery-positive, battery-negative, switched line

3 EG-Declaration of Conformity

Manufacturer

VSpeak-Modellbau (Volker Weigt)
Priestewitz



We hereby declare that the product

Electronic Relay 15 A

complies with the following European directives:

2004/108/EC EMC Directive
2006/95/EC Low Voltage Directive (LVD)
2011/65/EC Restriction of Hazardous Substances (RoHS)

The presumption of conformity is taken by applying the following harmonized standards:

EN60065 Audio-, video- and similar electronic apparatus - Safety requirements
EN60332 Tests on electric and optical fibre cables under fire conditions
EN60950 Information technology equipment - Safety
EN61000-6-1 Electromagnetic compatibility (EMC)
EN61000-6-3
EN55022 Information technology equipment - Radio disturbance characteristics

Priestewitz, 2015/07/01

.....
Signature
Volker Weigt
Managing Director

4 Instructions for disposal



Equipment marked with the symbol should not be disposed of within household waste.