

With this device the power supply of the model can be switched on and off just by moving a magnet from aft to bow (or vice versa) within a certain area of the hull without having to open the model.

Especially in model submarines this switch eliminates the risk of an additional opening as required for conventional mechanical switches.

Connections

The socket terminals are opened by pressing the levers. The sockets are large enough to fit leads with a max. cross section of 2.5 sqmm (square millimetre). For the max. current of 16 A leads with 1.5 sqmm cross section will be sufficient. Cable end sleeves are not mandatory but increase durability of connection.

The polarity is marked on the label (of the relays) and on the back side of the circuit board.

Installation

Position the switch inside the water proof compartment (WTC) so that it lies closely to the inner walling of the hull. The distance between switch (with the reed contacts [long black components] lying on the outer side) and outer hull walling should be approx. 10 mm. Verify this before final mounting.

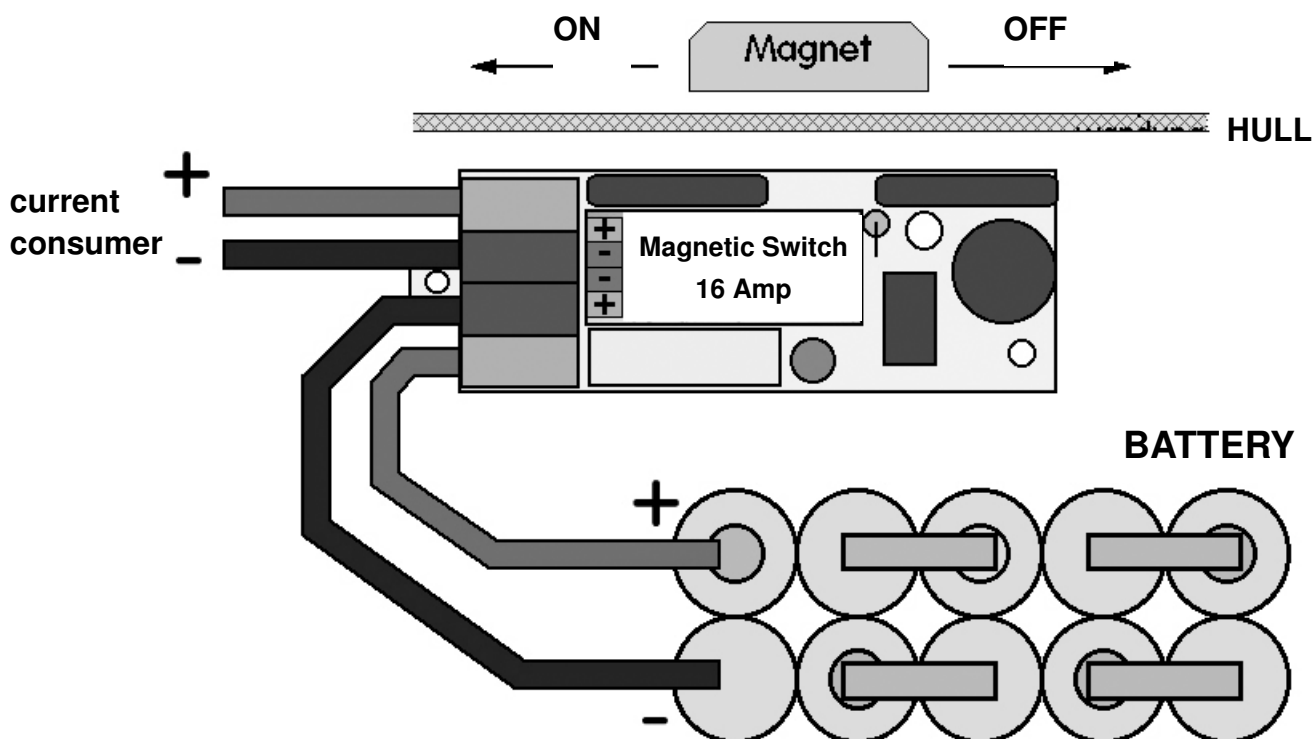
We recommend to install the switch so that moving the magnet from aft to bow activates the switch. A small marking on the outer hull is helpful for finding the exact position of the switch.

As soon as the switch has been successfully activated a "peep" sound is heard. Furthermore, the incorporated battery monitor will alert the user in case of low battery capacity (<4V) through continuous sequences of "peep" sounds. Nevertheless, the connected devices will still be powered. Therefore, battery capacity should be checked for secure operation of the model. When moving the magnet from bow to aft the switch is turned off. No sound is generated then.

Technical Data

- on/off switch with reed contacts
- dimensions: 71 x 24 x 29 mm (2.8x0.94x1.14")
- weight: approx. 32.5 g
- operating current: 6-7.2 V
- current consumption: 7 mA at 6 V (for LED)
- maximum load: 16 Amp (constant)
or 30 Amp for 4 sec.
- connection lead compatible with Futaba, JR/Graupner, HiTech, MPX-Uni

Recommended magnet: item no. 1569



Please read the following instructions and safety warnings carefully BEFORE you commence with the installation of the unit.
WARNING! This item is not a toy and therefore not suitable for persons under 16 years of age. We are not liable for any personal injury or damage of any kind resulting with the assembly and/or use of our products as we are neither able to delegate nor verify the assembly and/or use of these items. Please adhere to the safety regulations of the country in which item is operated.

This module serves as additional switch for magnetic switch no. 1566 (6V/16A) and allows switching of receiver battery.

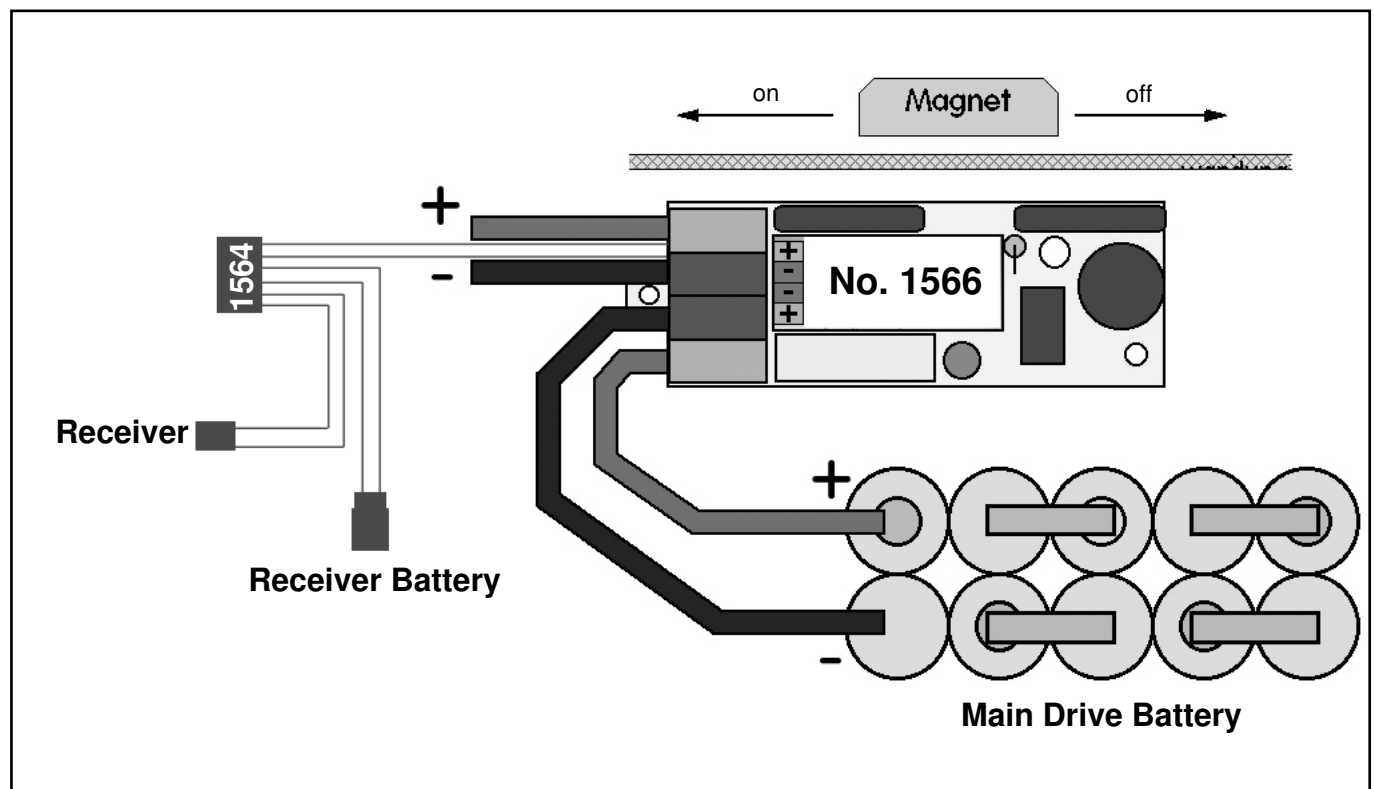
Connected to the magnetic switch, both batteries, main drive and receiver battery can be switched on and off simply by sliding an appropriate magnet (e. g. no. 1569) along the reed contacts of the magnetic switch.

Connection

Connection is quite simple. Just connect the two tin-soldered wire lead ends to + (red) and - (black) to the outgoing ports of the magnetic switch. Plug socket lead into receiver battery (e. g. no. 5528) and plug the other lead into the receiver itself. Done.

Technical Specifications:

Type :	Relais Switch
Dimensions :	7 x 11 x 15 mm
Weight:	ca. 6 g
Switching Voltage:	6 V
Operation Voltage:	4,8 - 6 V
Maximum Load:	2 A permanent 3 A for 2 sec.



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