

## TYPHOON: Electronic Control Unit RMR Art.-Nr. 8440

This electronic switch unit replaces the standard relay block of dive plane retract mechanism for model submarines GATO and TYPHOON.

The dive plane servo connects directly to this unit. No cutting of servo leads necessary (as with standard relay block). This unit also identifies neutral position of the servo. Therefore, the micro switch of the standard relay block becomes redundant.

• **Connections:** Plug the RMR into channel of the receiver (Rx) which operates the bow dive plane servo. Alternatively this can also be a pitch controller. All other connections are made as per wiring diagram below. For connecting end switches S1 and S2 to the corresponding contact pins on the RMR use wire lead no. 9128. On the end switches only contact tags 1 and 4 are to be connected. Contact tag 2 is idle!

**ENSURE** that neutral position of the dive planes matches the neutral position of the dive plane servo.

• **Control:** Minus polarity (ground) of receiver power being connected to the (single) pin marked as “-” on the RMR commands the dive planes to extract. This contact can be switched either by a so-called decoder (i. e. robbe Multi Switch, Graupner nautic) or by an electronic switch (i. e. 4-channel switch MINI, item no. 8431).

• **Operation:** As soon as contact between minus polarity and this particular pin on the RMR is interrupted the retract mode is initiated. Before retraction sets in, the RMR brings the servo back to neutral; after a short pause the dive planes start to retract.

**Please note:** The RMR should only be operated in combination with a **digital servo**.

“Normal” (meaning analogue) servos tend to twitch in the instant when the receiver is turned on. This happens while the dive planes are still retracted, putting quite some tension on the servo gears as well as the dive plane mechanism. A digital servo does not show such behavior as it will only respond to actual control impulses.

