

## ARISTO-CRAFT MINI-SERVO

The ARISTO-CRAFT MINI SERVO is a single channel rudder servo powered by the new low drain efficient Aristo Rev #6 motor and is self-neutralizing.

The small physical size of the MINI SERVO permits a unique installation that couples aileron and rudder for smoother flight maneuvers. Conventional fuselage installation of the MINI-SERVO is very simple because of it's small cross section it can be put in a direct line with the rudder push-rod.

The MINI SERVO provides smooth control surface movement which is a pre-requisite to proper R/C flying. Rudder movements can, however, follow each other in as rapid a rate as may be demanded, with complete control of the model at all times.

### TECHNICAL DATA

DIMENSIONS:.....7/8" wide 7/8" high 2½" long

WEIGHT:.....1 3/4 oz.

OPERATING VOLTAGE:.....3-4.5 Volts

CURRENT DRAIN:.....25 to 30 M.A. Operating

### CONTROL SEQUENCE

1 pulse - right (or left rudder)      2 pulse - left (or right rudder)  
3rd Short pulse - (triggers an escapement for engine throttle control).

### OPERATION:

1. PRESS Transmitter button and HOLD (ON).

Left Rudder (or right rudder if push-rod is attached to opposite side of rudder horn) for the length of time that the signal is held. Control surface returns to neutral, automatically, when transmitter button is released.

2. PRESS Transmitter button, Release, Press again and hold (ON-OFF-ON). Right Rudder (or left rudder as explained in Step 1.) for as long as signal is held.

3. PRESS Transmitter button, Release, Press again and HOLD MOMENTARILY. (ON-OFF-ON momentarily).

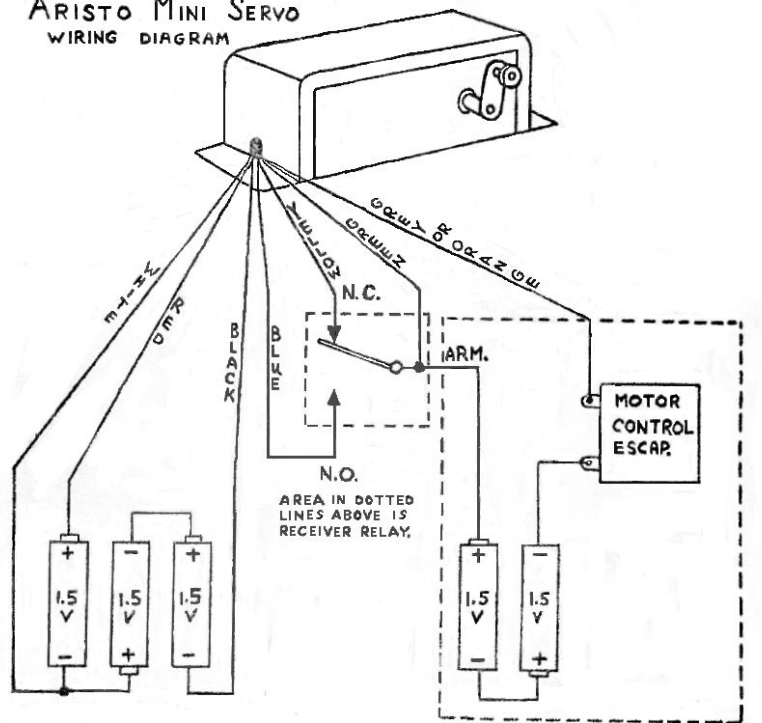
The 3rd quick blip actuates the engine throttle escapement - Acquiring the proper signal rythm for this control requires a little practice. The signal rythm simultaneously actuates the control surface but since this movement does not last more than a fraction of a second it is not noticeable in flight or in the behaviour of the model plane.

INSTALLATION: The MINI-SERVO can be mounted in the wing of a airplane for aileron control and linked to the rudder for smooth simultaneous aileron and rudder operation. Refer to Fig.1 & 1A. For Aileron control only refer to Fig. #2. Conventional Rudder installation shown in Fig. #3.

WARRANTY AND GUARANTEE: The MINI-SERVO is warranted for a period of thirty days from the date of purchase. Any unit that fails to operate within this period will be repaired or replaced upon return DIRECTLY TO THE ARISTO-CRAFT CO. This warranty is void if the equipment has been tampered with, excessive voltage use, modified, used with acid core solder, or otherwise abused beyond that encountered in normal use.

Motors and printed circuit boards cannot be guanteed against burn-out or breakage. If your equipment requires service PLEASE follow this outlined procedure. [A] Send your equipment direct to ARISTO-CRAFT DISTINCTIVE MINIATURES, Radio Control Dept., 314 5th Ave. N.Y. N.Y. 10001. DO NOT return your equipment to your hobby dealer; he is not authorized to make repairs, adjustments, or exchanges. Any commitment your dealer may make is his own responsibility and does not bind Aristo-Craft to said commitment unless written authorization is given by Aristo-Craft. [B] Pack in a rugged container, wrap your package carefully, AND CLEARLY PRINT your RETURN name and address in the upper left-hand corner. DO NOT ship in the original packaging as it is not considered adequate for safe shipment. We cannot be held liable for damage due to poor or insufficient packing.[C] DO NOT SEND BATTERIES OR BATTERY BOXES.[D]SEND INSURED MAIL.

# ARISTO MINI SERVO WIRING DIAGRAM



WIRE RELAY OF RECEIVER  
TO COLOR CODED WIRES AS  
SHOWN  
N.C. = NORMALLY CLOSED CONTACT  
N.O. = NORMALLY OPEN CONTACT  
ARM. = ARMATURE OF RELAY,

ABOVE BATTERIES & ESCAP  
CAN BE OMITTED IF MOTOR  
CONTROL IS NOT DESIRED.  
(AREA IN DOTTED LINES)

## AILERON - COUPLED AILERON - RUDDER

