

SPECIFICATIONS

Weight 2.1 Oz. Travel 5/8"

Size 1 1/4 X 1 1/2 X 2 1/2

Voltage 1.2 to 4.5

Current used at 3 Volts

No Load 80 MA

One Pound Load 160 MA

Stall 350 MA

Maximum Power 4 1/2 Pounds

Broad Neutral if Desired

Electronic Brake NO OVER-RUN

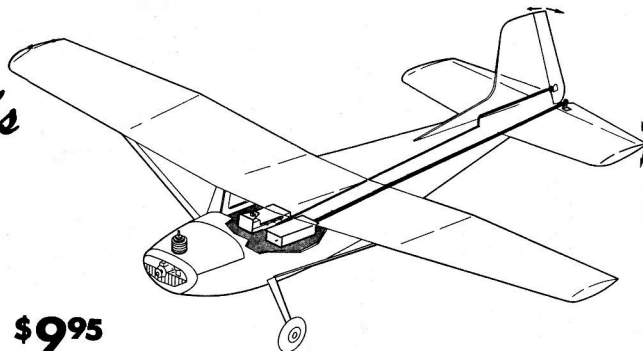
Response Time .42 Second

Precision Long Life Instrument

Timer Type Gears

COBB HOBBY's Micro' S-N 3 Pos.

\$9.95



- Low Drain
- High Power
- Top Quality
- Moderate Cost

Environment Tested for 1000 Flight Life... on our New "FLIGHT SIMULATOR" ... Duplicating Flight Load and Vibration Conditions.

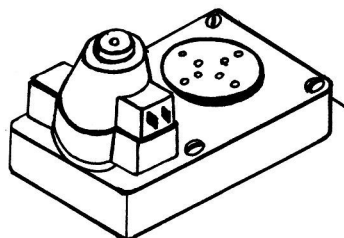
The MICRO Motor is by far the most efficient in use today-- Highest torque for current used... Custom built by Worlds Largest Motor Manufacturer for our EXCLUSIVE use. Uses Oilite bearings and Long Life Brushes.

Straight wiper fingers -- Will Not Loose Tension

Precision long life instrument timer gears - Tested 6 million revolutions under load to assure long life.

HOW IT WORKS

A unique Motor/switch action rotates the output rotor, a part of a turn each time the unit is signaled by a relay or switch. COBB HOBBY's patented electronic brake stops rotation at exactly the right spot - no over-runs - regardless of voltage or load variations. The electronic brake is exclusive with COBB HOBBY and is a significant "first" in R/C work. It was developed by COBB HOBBY's servo designers who are world leaders in servo and actuator design.



USES

S-N (Self Neutralizing) 3 Position

Rudder action for planes and boats

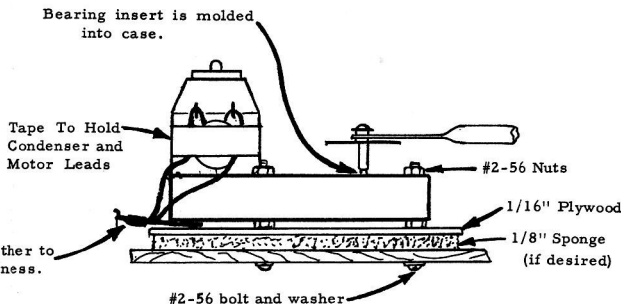
Throttle Control

Throttle Control

Switching for Electric Drive Motors

Elevator Control

Switching Flaps, Etc.

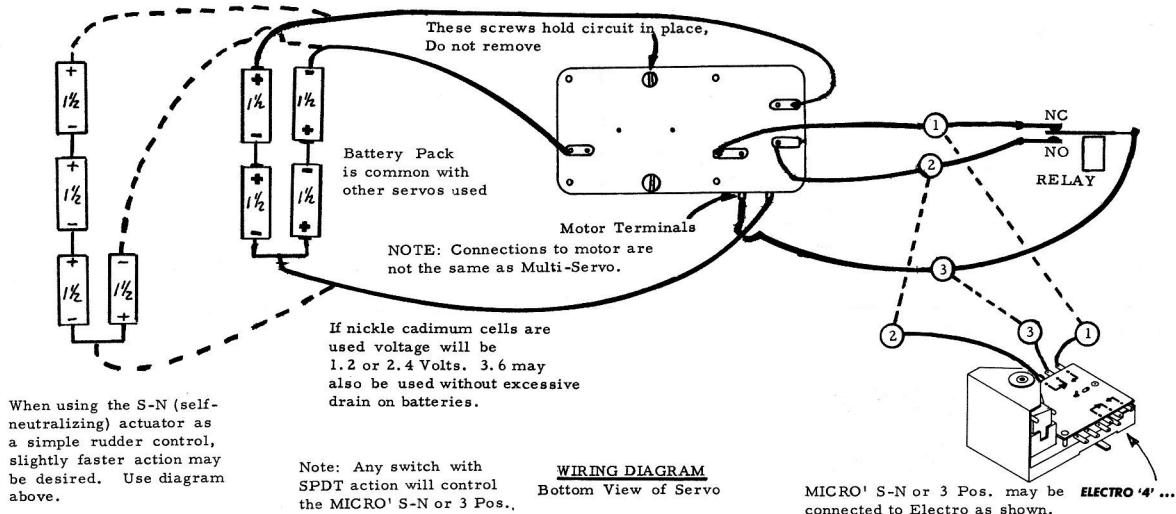
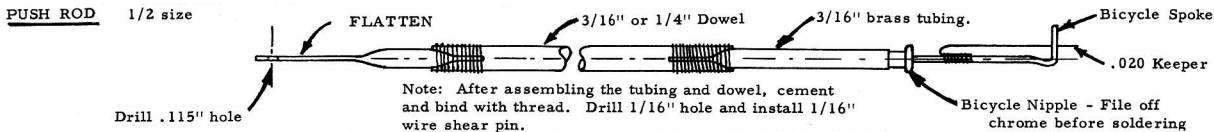


COBB HOBBY

MANUFACTURING CO.

Powder Springs, Ga.

Phone:
Marietta, Ga. - 7-3405



IMPORTANT BOATING FEATURE

Gears and switches are enclosed in protective housing.

NOTE Wires should be arranged in a FLAT strip and taped together.

DO NOT cross wires over each other under the servo - This will bow the circuit and cause binding of the gear train.

A small amount of oil may be applied to all bearings and gears. Oil will not affect the operation of the switch.

SOLDERING INSTRUCTIONS

The plastic case of the Motor can be damaged unless care is used in attaching lead wires.



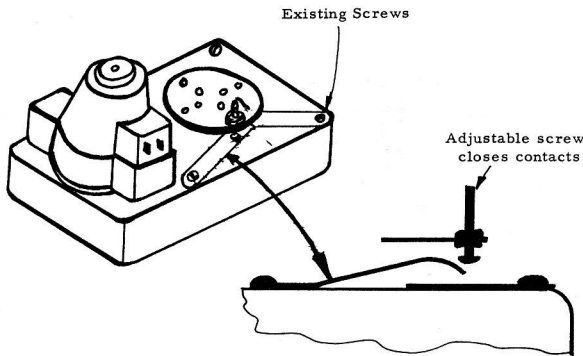
PROCEED AS FOLLOWS ---- See Sketch

- 1- Clean and "Tin" (apply solder) to the condenser leads (not included) BEFORE attaching it to the motor.
- 2- Thread the condenser leads thru the motor terminals.
- 3- Use 50 Watt iron. Apply rosin solder to the IRON.
- 4- Apply this melted solder to the motor terminal. Hold iron in place only long enough for the solder to "flow" on the joint.
- 5- Apply damp (not wet) cloth to absorb heat.
- 6- Clip condenser leads to #1 and connect leads to these "tails". DO NOT ATTEMPT TO REMOVE THE CONDENSER OR RESOLDER THE MOTOR TERMINALS.

Always "Tie down" all leads from the actuator to prevent breaking due to vibration.

BONDING RELAY ARMATURE

Most relays have a very poor connection from the armature (moving part) to the frame. For reliable results this must be improved by making a direct connection. On receivers having 3 mills or more current change, the tension spring may be soldered at both ends--- very carefully. Other receivers will have to have a very flexible stranded wire connection.



SWITCHER

Any MICRO S-N may be converted into a reliable switch by adding .010 hard brass or bronze switches to the case as shown. Several sets of contacts may be used. They can be double if desired to switch boat drive motors. This switch can actuate flaps, spoilers, horns, lites, etc.