

ST-10

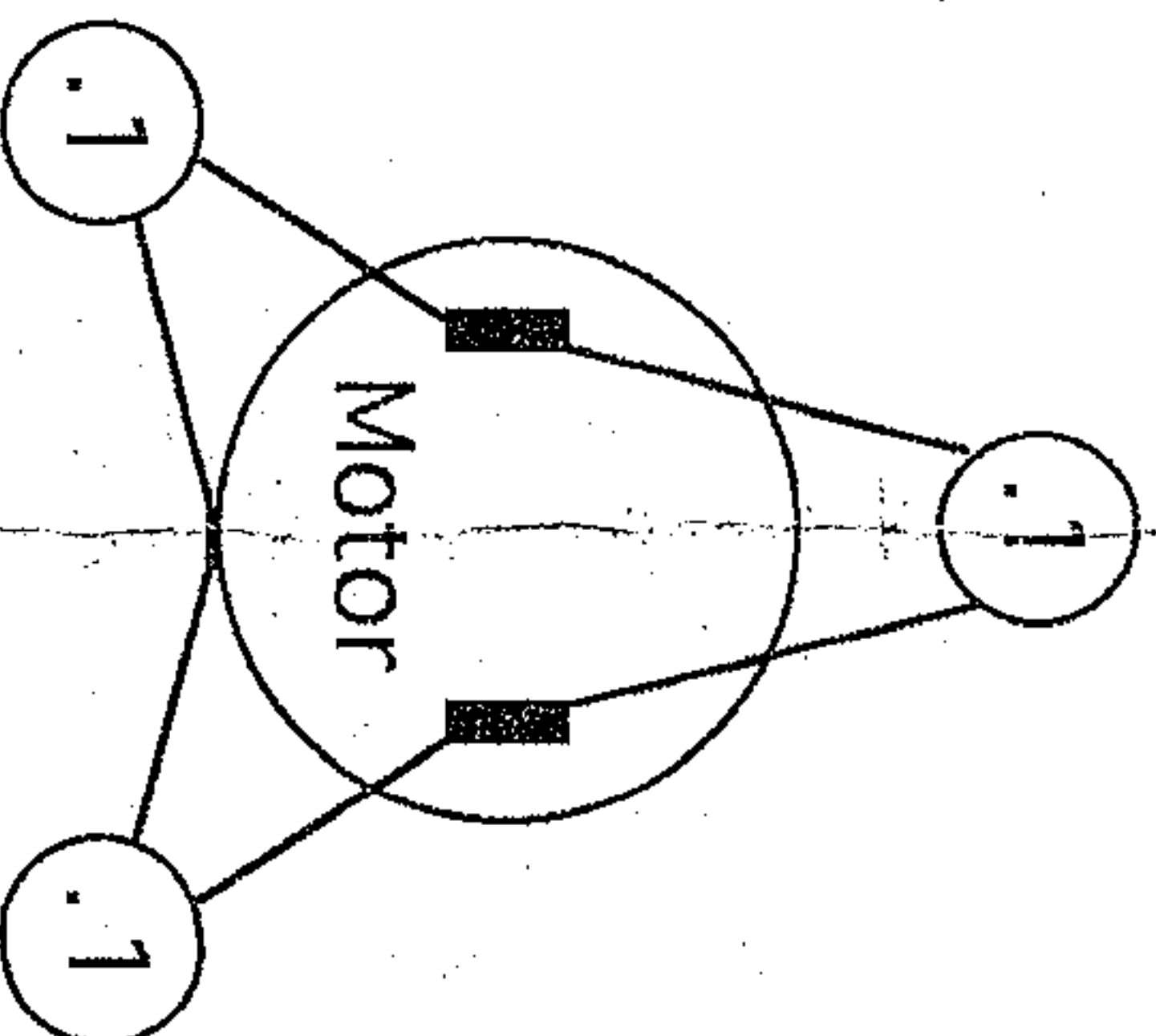
Electronic Throttle

Instructions

The ST-10 Electronic Throttle is designed to control both the speed and direction of rotation of an electric motor. The maximum amount of current that can be controlled is determined by the battery voltage. With a 12 volt battery, the maximum continuous load should be limited to 8 amps. It is strongly recommended that a 7 1/2 amp fuse be placed in the circuit between the battery and the ST-10.

The ST-10 Throttle is designed to work with all modern radio systems which use a 1.5 millisecond "neutral". There is no neutral or center adjustment. A safety feature is incorporated which will not allow the throttle to work if the transmitter stick is not centered when the power is turned on. If you should turn the system on with the stick off center, center the stick and turn the receiver off for approximately 3 seconds. Then turn it back on.

To install, connect the RED wire to the positive (+) battery terminal and the black wire to the negative (-) battery terminal. DO NOT reverse these wires as this will cause damage to the throttle. The motor is connected to the other two wires. These can be reversed if the motor does not turn in the required direction. It is highly recommended that you install a total of three .047mF or larger capacitors on the motor. One capacitor should be between the motor terminals and one between each terminal and the motor case. It is recommended that a main power switch be used between the positive terminal and the throttle.



SubTech

501 Albert Ave. Lakewood, NJ 08701
732-363-7426