

**FEATURES**

An actuator for single channel pulse proportional with one proportional output used on rudder and one trim output for throttle control.

Can be used with a simple decoder to operate an HR 1 for elevator. If so used, please specify when ordering.

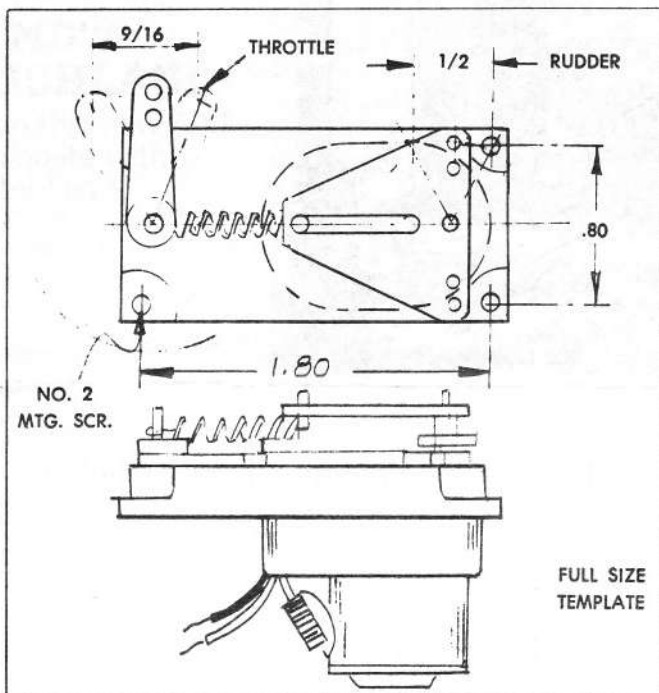
Should be of primary interest for use in dual simultaneous systems of lightest weight. (No separate throttle servo.)

**Fail safe** on signal off. If there is failure with transmitter, receiver or "out of range," the motor goes to low throttle and controls are neutralized by the actuator going around.

**Push rods** make installation and flight adjustments easy.

**Small size**, light weight and high output force make its use advantageous in models from .020 to .35 cu. in.

**Full R.F. noise suppression** has been added to the five pole, double brushed, highest quality motor. Current drain is low, allowing reliable two hour operation on center tapped, four cell, 500 M.H. Nickel cadmium batteries.



**SPECIFICATIONS**

**SIZE:** 1 x 1 1/2 x 2

**WEIGHT:** 1 1/4 oz.

**POWER SUPPLY:** Plus or minus 2.5 V.  
 (5 V. center-tapped)

**SIGNAL REQUIREMENTS:** 4 - 40 P.P.S.

**OPERATION**

**Rudder** controlled by pulse width variation.

**Throttle** controlled by steady-on tone for high throttle and steady-off tone for low throttle.

Provides five throttle positions.

Actuator goes around for throttle control providing neutral control surface effect.

Unit will operate with any pulse transmitter and receiver combination.

Use of voltages up to 3.6 V. is permissible and will provide faster, more powerful actuation but has the disadvantage of higher current drain. (For advanced modeler or special conditions.)

Use of switcher circuits are practical to eliminate two cells for lighter weight but operating time will be half.

Oil lightly.