

MILFORD INSTRUMENTS Ltd

Wizard 12 Card (Part Number 1-975)



The **Wizard 12** is a simple control board suitable for all standard R/C type servos and featuring settable upper and lower range limits.

Connections

Power supply

2.1mm socket , centre positive. 7.5V DC at up to 1A

Potentiometer Input

3-way terminal socket, centre contact to the wiper. Use a 5-10K linear potentiometer.

Servo Output

Standard 3-pin header.

Operation

Connect power, a suitable potentiometer and Servo to the controller.

Adjusting the potentiometer will control the position of the servo. The full range of the potentiometer will generate pulse widths equivalent to a 90 degree Servo movement.

To set the upper range limit, simply drive the Servo to the required limit point and temporarily short the JP1 pin pair. This setting will be retained even after power down and until re-set.

Set the lower range limit in a similar way using the JP2 pin pair.

Note

If the Servo is not moving as the potentiometer is rotated, it may be because the upper and lower range limits are over-lapping. To check this turn the potentiometer fully clockwise and short out JP1 turn the potentiometer fully anti clockwise and short out JP2 this will reset the limits.

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