

OEM Automatic Ltd

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ACTUONIX - LAC DRIVE BOARD

LAC Control board

- Designed for Actuonix 'P' actuators
- PC software via USB connection
- RC servo compatible
- 6 to 24V dc actuators



PRODUCT DESCRIPTION

The Linear Actuator Control Board is a stand-alone, closed-loop control board specifically designed for Actuonix P-series micro linear actuators. The LAC simplifies designs by saving the development time, cost and processor overhead associated with direct motor control. As little as 1 digital or analog output is required for position control. Supported input signals include USB, voltage, current, RC servo and PWM. On-board adjustment of speed, sensitivity and stroke limits are available.

This linear actuator controller can be operated as both an interface board or as a stand alone controller with the addition of an external potentiometer and power supply. Each LAC board controls 1 linear actuator and will require an external power supply rated for the actuator.

The LAC is compatible with all P-series micro linear actuator on this site. A 6 volt or 12 volt power supply is required for operation.

TECHNICAL DATA

Duty cycle	20 %
IP class	IP00
Temperature operational max	50 °C
Temperature operational min	-10 °C

xternal Connections Detail

XI PQ12 actuator connector 5-pin, 1 mm Pitch FPC connector XZ 112-P/116-P/P16-P actuator connector in function 1 Potentionator Reference Negative (yillow) 2 Motor Cereminal (black)

Motor Terminal (block)
 Motor Terminal (pro)
 Motor Terminal (pro)
 Potentiometer Feedback (wiper) (purple)
 Potentiometer Reference Positive (prunple)
 Stadlio control receiver connector

2 Power (red)
3 Control (white)

X4 Large actuator connector
No Function
1 Potentiometer Reference Positive (white
2 Potentiometer Feedback (wiper) (yellow

Moster Terminal (black)
 Potentiometer Reference Negative (blue)
 NOTE: if the actuator moves to one end then stops, usual prints 3 and 4 to change the motor direction.

XS Universal Serial Bus (Male Mini-B)

XS University
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1 N/C
2 Data
3 Data
4 N/C

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