Picard Industries

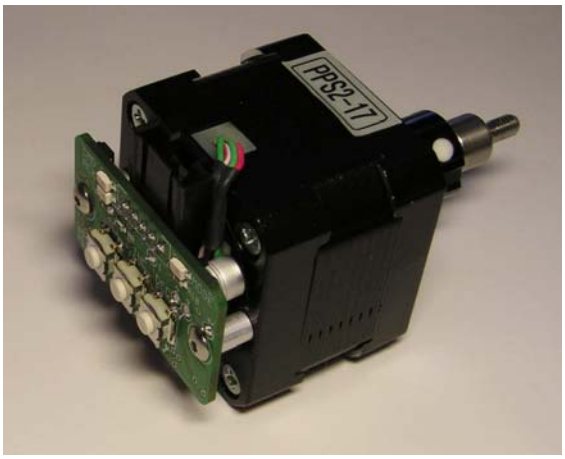
Specializing in Miniature Smart Motors and Sensors

ServO Designs™

Picard Programmable Solenoid (PPS2-17)

Features

- Linear Actuator with built-in motor control system
  ($189.00 single piece price)
- Wide operating voltage (12 – 24 Vdc) @ 0.5 amps
- Size 17 Motor size (1.7” square)
- Programmable stroke with range of 12.5mm (~0.5”)
- Stroke resolution (step size) of 80 microns (0.002”)
- Programmable stroke velocity
- Full stroke oscillating speed of over 100 strokes/minute
- Extend/Retract or Oscillating modes of operation
- Constant force throughout the range of stroke
- Push-Pull stroke force of up to 5.0 Kg (~11 pounds)
- Built-in magnetic (Hall effect) home sensor
- Auto error correcting for missed steps (auto-homing)
- Auto jam detection with auto-halting



The new Picard Programmable Solenoid (PPS2-17) provides linear solenoid motion capability of a sophisticated stepper motor system with greater simplicity, smaller size, and lower cost. The PPS2-17 provides this motion with a constant controlled force and velocity (no erratic banging motion). The onboard electronics of the PPS2-17 allows the user to program and store the desired stroke and speed using a simple three button interface. The PPS2-17 only requires power, ground, and a control (activation) signal connections for proper operation. Any device that can connect the control signal to ground (by switch, sensor, relay, open-collector or open-drain transistor output, etc.) can activate the programmed motion.

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