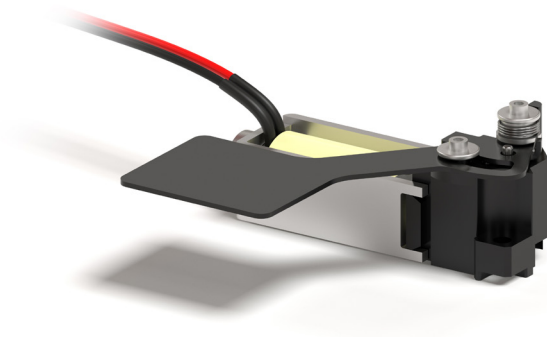


Miniature Latching Solenoid



The miniature latching solenoid was circuit board mountable, drew no current to maintain state, and was designed to help calibrate an infrared camera system. A pulse of current of one polarity latched the armature, which rotated the flag to block the camera lens for calibration. A pulse of the opposite polarity released the armature and returned the flag to its home position. The rotating flag actuator was configurable to specific angle requirements.

Features & Benefits

- + Compact design
- + Circuit board mountable
- + Fast response time
- + Low cost
- + Customizable to application angle requirements

Applications

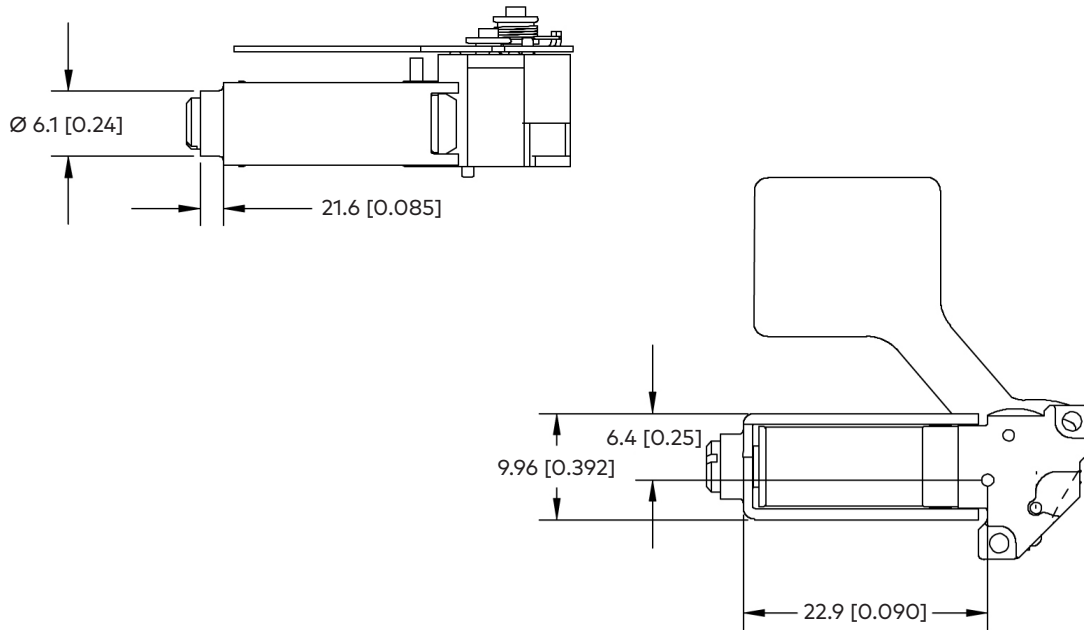
- + Instrumentation
- + Circuit breakers
- + Miniature relays

Technical Data (custom configurations available)

- + Angular range: 40°
- + Latching force: 0.834 N
- + Response time: < 30 ms
- + Supply voltage: 12 Vdc
- + Operating temperature range: -40°C to 60°C (-40°F to 140°F)
- + Coil resistance at 20°C: $8 \Omega \pm 0.04 \Omega$
- + Durability: > 10M cycles
- + Duty rating (%ED): 10%

All TLX components are customized to fit system requirements, meaning technical specifications are unique to each customer and design. Examples given are for illustration purposes only.

Dimensional Drawings (dimensions in millimeters [inches])



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