

LATCHING TECHNOLOGY

Capable of holding in position without the constant application of electrical current. Latching technology is well suited for battery operated applications.

HIGH-SPEED TECHNOLOGY

For applications requiring extremely accurate and high speed control of fluids, position or pressure. TLX's technology allows for response times in as little as 200 microseconds.

PROPORTIONAL TECHNOLOGY

For applications requiring accurate and repeatable control, low hysteresis, and a flat force vs. stroke curve. TLX's technology allows for a smaller package size for the same force requirement.

HIGH TEMPERATURE TECHNOLOGY

For applications requiring consistent performance under extremely high operating temperatures. TLX's high temperature technology offers proven operation in ambient temperatures exceeding 500°F (260°C).



Description

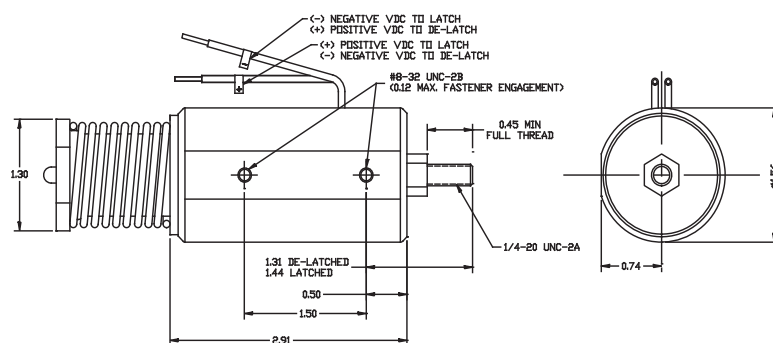
This example of latching technology utilizes a 100 ms pulse to latch and maintain the solenoid in the latched position with a permanent magnet. A 100 ms pulse of opposite polarity is used to de-latch the solenoid allowing the spring to return the armature.

Typical Applications

- Machine Tools
- Production Fixtures
- Power Interrupts
- Reclosers
- Security Devices

Features & Benefits

- Fast response
- High latching forces
- High clamping force
- Low power consumption
- Can be designed for specific load holding capability
- Can be designed to configure with customer power requirements



Typical Specifications (Custom configurations available)

Stroke (can be designed to specification)	3.3 ± .508 mm (.130 ± .02 in)
Net Latching Force	>222 N (>50 lb)
Supply Voltage	6, 12 or 24 Vdc
Response Time	100 ms
Coil Resistance at 20°C	.6 ± .03 Ω
Operating Temperature Range	10 to 50°C (50 to 122°F)
Spring Load (de-latched position)	178 N (40 lbs)
Durability	>100M cycles