

## 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

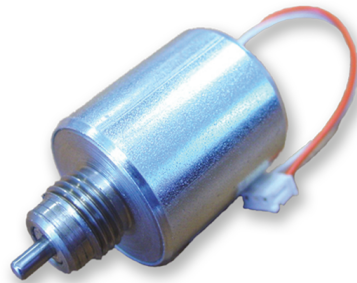
For applications requiring extremely accurate and high speed control of fluids, position or pressure. TLX's technology allows for response times in as little as 200 microseconds.

## 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.

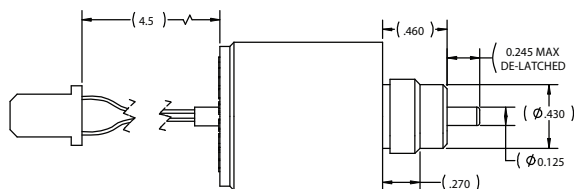
## HIGH TEMPERATURE TECHNOLOGY

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).



## Features & Benefits

- Compact design
- Low cost
- Can be designed for specific load shifting capability
- Can be designed to configure with customer power requirements
- Optimized for battery life



## Description

This example of latching technology is energized to move to the latched position with a short voltage pulse. Once the voltage is removed, the permanent magnet maintains the solenoid in the latched position. The solenoid is spring returned to the de-latched position by providing a short, reverse polarity voltage pulse which cancels the permanent magnet field. Strokes and forces are flexible depending upon solenoid size.

## Typical Applications

- Electric Locks
- Electric Oil Meter Control
- Computer Case Lock
- Computer Docking Station Lock
- Business Machines
- ATM Machines
- Battery Operated Locks
- Vending Equipment
- Medical Supply Cabinets
- Fuel Controls
- Spool Lock
- Business Equipment

## Typical Specifications (Custom configurations available)

Stroke (can be designed to specification)	1.5 ± .508 mm (.06 ± .02 in)
Net Latching Force	>21.13 N (>4.75 lbs)
Supply Voltage	4.2 to 6.5 Vdc
Coil Resistance at 20°C	2.8 ± .3 Ω
Spring Load (latched position)	>10.23 N (>2.3 lbs)
Spring Load (de-latched position)	4.45 N (1 lb)
Cycle Life with 4 AA Batteries	>10K cycles