



Proportional Pressure Control Valve

The proportional pressure control valve was originally designed for the braking system on a heavy equipment trailer. This direct-acting, normally open proportional valve had a low pressure differential at standby, delivered precise linearity and low hysteresis, and was customizable to suit different pressure ranges.

Features & Benefits

- + Compact design
- + Fast response
- + Low pressure differential at standby
- + Customizable pressure range
- + Customizable to application's electronic drivers

Applications

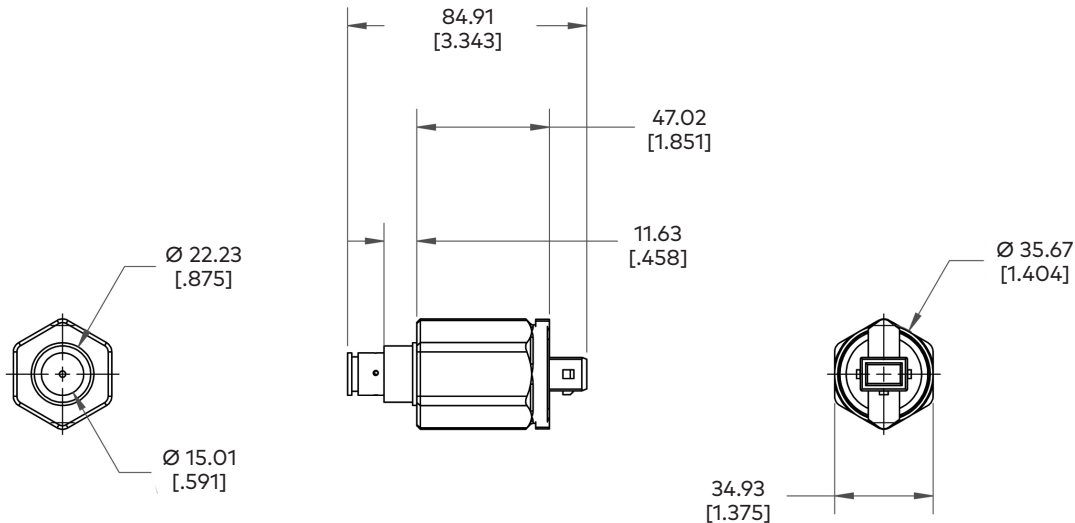
- + PTO control
- + Hydraulic control
- + Industrial controls
- + Pressure control
- + Transmission control

Technical Data (custom configurations available)

- + Supply voltage: 12 or 24 Vdc
- + Pressure hysteresis: < 5%
- + Dither frequency: 100 to 500 Hz
- + Nominal linearity: < 2%
- + Proof pressure "P" port: 34,500 kPa
- + Proof pressure "T" port: 6,900 kPa
- + Pressure drop "P" to "T" at 3.785 L/min: < 350 kPa
- + Control pressure: 8,373 kPa max.
- + Operating temperature range: -30°C to 120°C (-20°F to 250°F)
- + Command step response: < 60 ms
- + Pressure step response: < 3 ms

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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