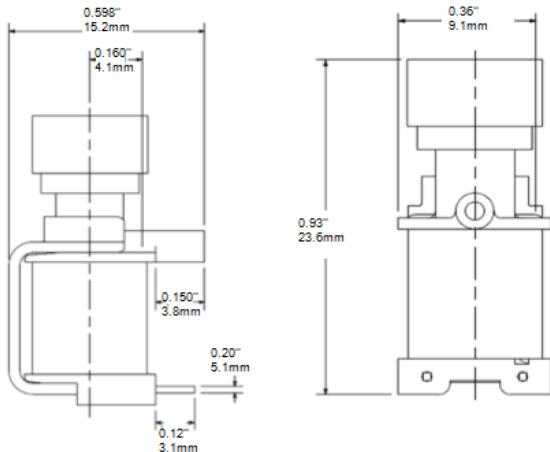
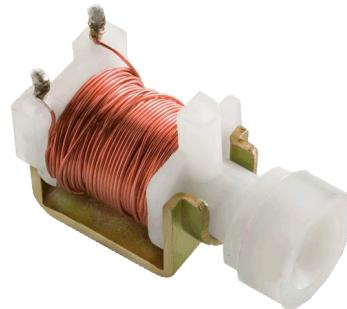


CUSTOM SOLENOIDS & ACTUATORS

Kendrion Mishawaka

Miniature 2-Way Valve

The Miniature Two-Way Valve (MTV) was designed to be mounted directly onto a printed circuit board (PCB). The MTV can be designed with multiple porting configurations (barb, ports, push-to-connect cartridge inserts, etc...). The configuration shown was designed to mate directly onto an aerosol can. Roughly the size of a thumb tack, the MTV is one of the smallest valves in the Kendrion line up. It was designed to be used in conjunction with a Pulse Width Modulated (PWM) electrical circuit to keep the power draw to a minimum. It is capable of 120,000 cycles using 2 AA batteries.



Technical Specification

Solenoid Valve Type	2-Way Normally Closes up to 200 psi (13.8 bar)
Pressure	Operating: 80 – 100 psi (5.5 – 6.9 bar) – typical
Flow	See Chart
Leakage	<1x10 ⁻⁵ cc/sec
Voltage	Pull-In: 1.5 V (min)
Coil Resistance	Digital Pulse Driven Circuit Per Customer Specification
Response Time	3 ms
Materials and Finish	Glass filled Nylon Seals per fluid requirements Zinc Plated Steel
Cycle Life	Valve Alone – Over 1 Million cycles 2 AA Batteries – 120,000 cycles - typical

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