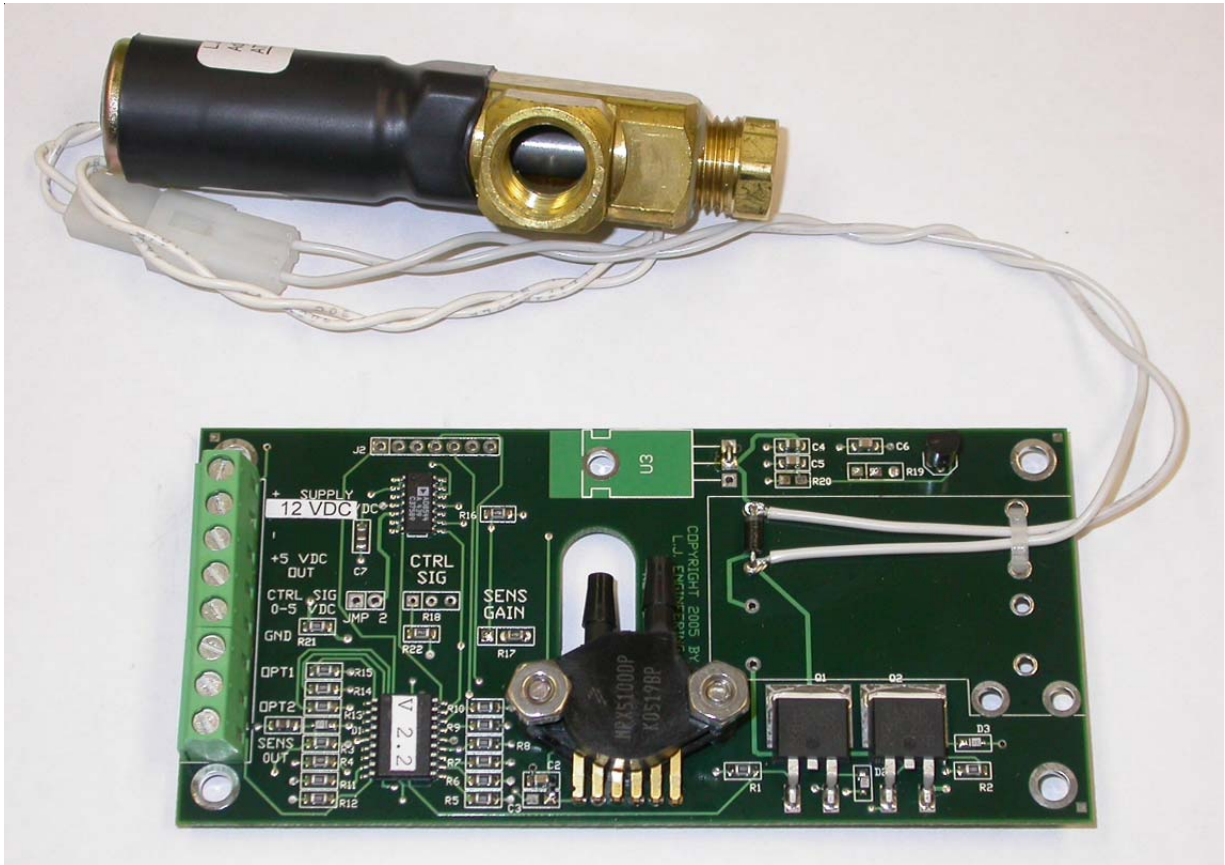


Model 492 Electronic Controlled Vacuum Relief Valve



APPLICATION

The Model 492 Electronic Controlled Vacuum Relief Valve is designed to provide electronic adjustment of vacuum relief settings. It is used to adjust and limit vacuum by leaking air into the system to prevent vacuum from increasing beyond the set vacuum level. Limits vacuum upto the maximum flow rate of 2.5 standard cubic feet per minute (SCFM). Vacuum relief settings can be adjusted via analog control signal or by user supplied up/down push buttons, which increments the vacuum relief setting up or down while the corresponding button is being held down.

FEATURES

The control board accepts either an analog control signal, digital logic levels, or momentary normally open button push activation to adjust the vacuum setting.

Scaleable vacuum sensor signal allows reduced operating range while maintaining full signal input range.

Analog output signal of vacuum sensor for external feedback of vacuum level available on board.

Machined brass housing with 1/4-inch female NPT ports, stainless steel poppet and spring assembly.

Electrical connector allows valve unit to be disconnected from the board assembly.



L. J. ENGINEERING, INC.

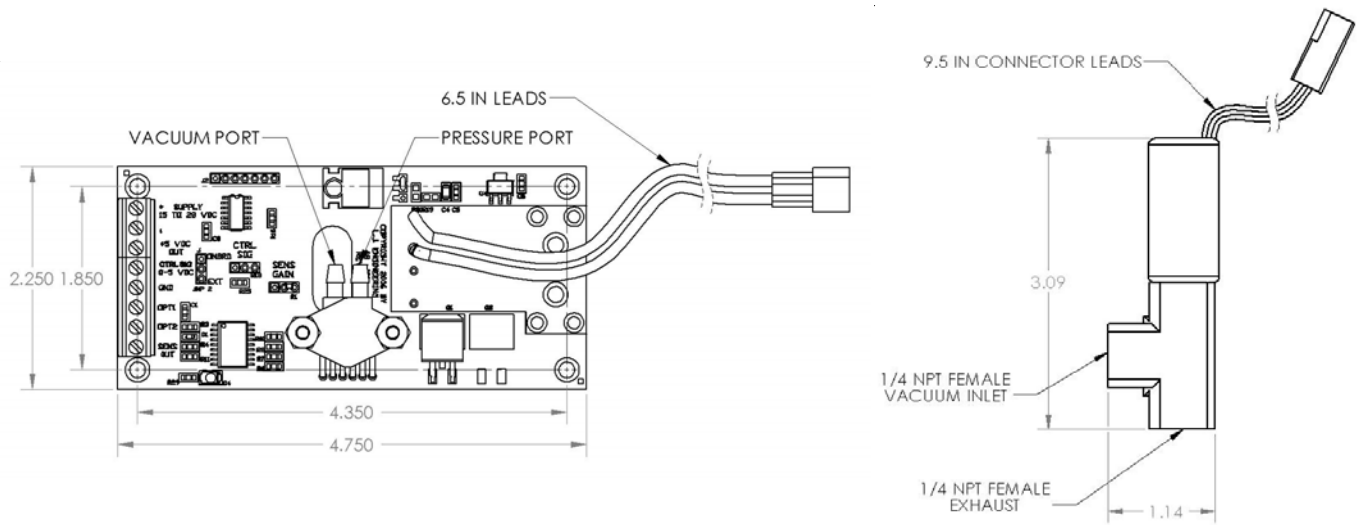
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Model 492 Electronic Vacuum Relief Valve



ADVANTAGES

Precision vacuum relief setting controlled by analog signal, digital signal or external momentary push buttons to incrementally Increase/Decrease vacuum setting.

Scaleable vacuum signal allows device to be used over a partial vacuum range while maintaining full output signal range.

Vacuum sensor output signal available for use by user for digital vacuum indication or other feedback use.

SPECIFICATIONS

Valve	Part Number	492-001
	Flow Capacity:	2.5 SCFM at 1 psi drop across device
	Port Connection:	1/4-inch NPT female threads
	Mounting Attachment:	Mount from 1/4-inch NPT port in center in tee body
	Mounting Orientation:	Mount valve unit with solenoid exiting pointing upward (wires at the top end pointing upward)
	Weight:	0.32 Lb
PC Board		
	Setting Range:	487-001-0 2 to 41 inches water 482-002-0 0.5 to 29.5 inches Hg
	Power Supply:	15 to 26 volts DC, 0.12 A maximum
	Analog signal:	0 to 5 volts DC
	Weight:	0.1 Lb