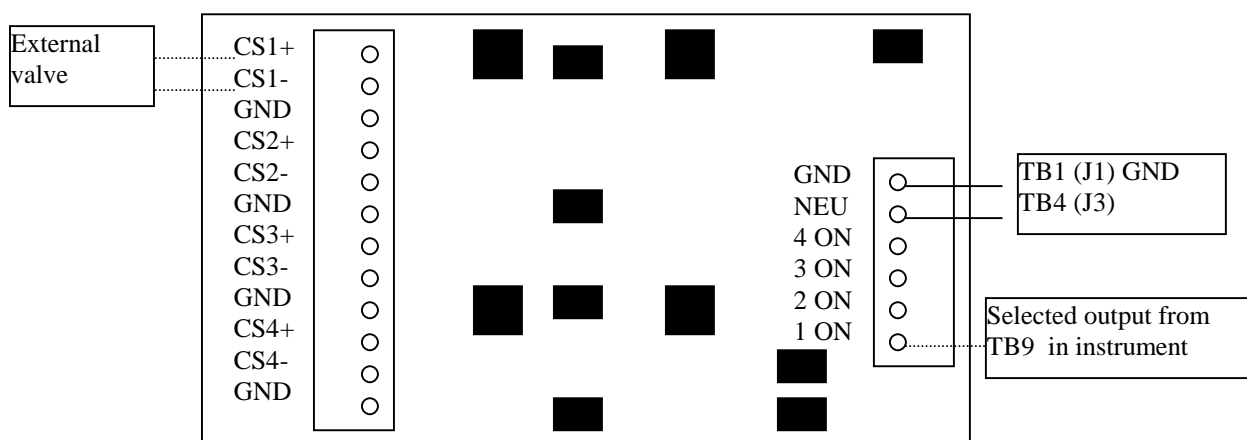
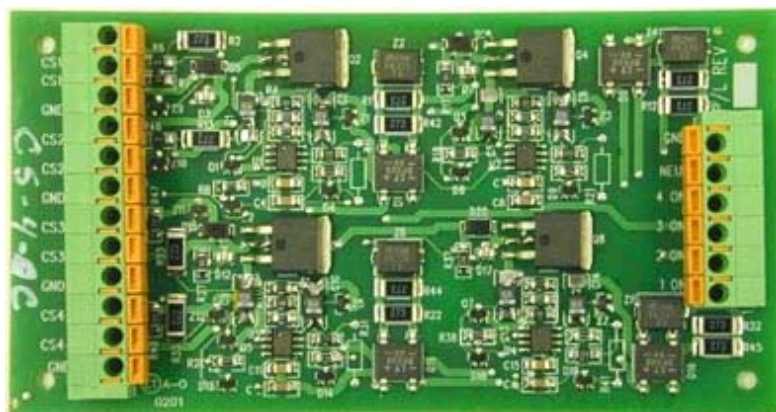


Coil Saver Board For External Valves

APPLICATION BULLETIN #129A

June 6, 2002

When using external valves in the pneumatic test circuit of Sentinel I-21, B-21, or F-21 instruments or PLCs, it is desirable to reduce the power to the valve. This reduces the heat generated in the valve. The coil saver board produces a pulse width modulated output to the valve from the 115 VAC or 24 VDC output of the instrument or PLC. The pulse width modulated signal minimizes the accumulated heat that could be generated in a solenoid-operated valve.



One coil saver board can convert up to four distinct inputs into pulse modulated outputs. 1 ON converts to CS1 (+ and -), 2 ON converts to CS2 (+ and -), 3 ON converts to CS3 (+ and -), and 4 ON converts to CS4 (+ and -).



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