

CoolDrive® Valve Drivers



The CoolDrive® driver circuits by Valcor Scientific, complements Valcor Scientific's SV74, SV75 & SV76 Series of solenoid valves. The CoolDrive® driver circuit incorporates five drivers on one compact board measuring 6 inches long by 2.3 inches wide. The drive circuit allows for independent operation of five solenoid valves using 5v logic level signals from your PC.

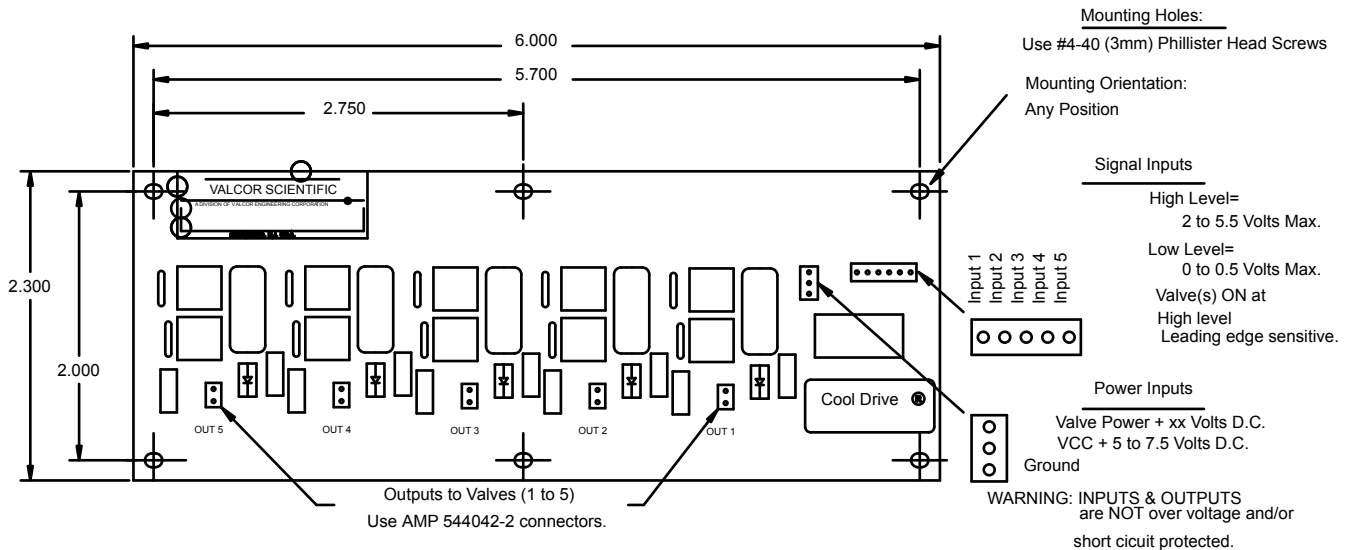
The CoolDrive® driver circuit uses a holding voltage that is automatically achieved within 150 ms of activating the solenoid. The holding voltage applied is 1/3 of the full rated voltage for the particular solenoid.

The CoolDrive® driving / holding circuit will prolong valve life and reduce the overall power consumption required to operate your valve network. By utilizing a holding voltage, over-heating of the solenoid valve is eliminated, extending the valve's probable life while reducing the risk of transferring heat to process media, in addition to reducing overall power consumption.

The CoolDrive® driver was designed to provide a total valve package, emphasizing reliability, compact size and cost-effectiveness.



CoolDrive® Technical Information



SPECIFICATIONS	12 VDC	24 VDC
SV61D5Xxx	<p>Power Inputs: VCC 5 to 7 volts</p> <p>Valve Power: 12 volts DC minimum 94mA / Valve at 12 volts DC</p> <p>Outputs: Solenoid coil resistance 127 Ohms</p> <p>Maximum current 400mA each driver</p>	<p>Power Inputs: VCC 5 to 7 volts</p> <p>Valve Power: 24 volts DC minimum 48mA / Valve at 12 volts DC</p> <p>Outputs: Solenoid coil resistance 550 Ohms</p> <p>Maximum current 400mA each driver</p>
SV25D5Xxx	<p>Power Inputs: VCC 5 to 7 volts</p> <p>Valve Power: 12 volts DC minimum 135mA / Valve at 12 volts DC</p> <p>Outputs: Solenoid coil resistance 90 Ohms</p> <p>Maximum current 400mA each driver</p>	<p>Power Inputs: VCC 5 to 7 volts</p> <p>Valve Power: 24 volts DC minimum 65mA / Valve at 12 volts DC</p> <p>Outputs: Solenoid coil resistance 375 Ohms</p> <p>Maximum current 400mA each driver</p>
SV60D5Xxx	<p>Power Inputs: VCC 5 to 7 volts</p> <p>Valve Power: 12 volts DC minimum 355mA / Valve at 12 volts DC</p> <p>Outputs: Solenoid coil resistance 34 Ohms</p> <p>Maximum current 400mA each driver</p>	<p>Power Inputs: VCC 5 to 7 volts</p> <p>Valve Power: 24 volts DC minimum 175mA / Valve at 12 volts DC</p> <p>Outputs: Solenoid coil resistance 140 Ohms</p> <p>Maximum current 400mA each driver</p>
SV48D5Xxx	<p>Power Inputs: VCC 5 to 7 volts</p> <p>Valve Power: 12 volts DC minimum 600mA / Valve at 12 volts DC</p> <p>Outputs: Solenoid coil resistance 20 Ohms</p> <p>Maximum current 600mA each driver</p>	<p>Power Inputs: VCC 5 to 7 volts</p> <p>Valve Power: 24 volts DC minimum 308mA / Valve at 12 volts DC</p> <p>Outputs: Solenoid coil resistance 78 Ohms</p> <p>Maximum current 400mA each driver</p>