

1249B

Solenoid Control Valve Driver



The 1249 control valve driver provides the drive signal required to operate the 148, 154, and 248 proportioning solenoid valves used for pressure or flow control. It is intended for use with PC's, PLC's, or other controllers that provide the necessary PID control functions, but which don't have the current output necessary to drive these valves (Open-loop control of these valves, i.e., no PID control, is not recommended).

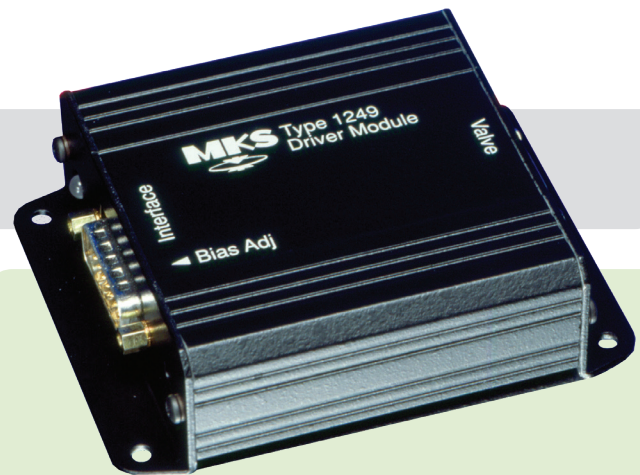
The 1249 can be powered by common power supplies of ± 15 VDC or 24 VDC, consuming less than one watt of power (not including the valve). It accepts control signal

inputs of 0-5 VDC, 0-10 VDC, or 4-20 mA from a PC, PLC, or another system controller. The output signal of the 1249 is tailored to match the requirements of the 148 or 248 proportioning control valve. The 1249 may also be used to drive a 154 valve if the power applied to the 1249 is ± 15 VDC or +30 VDC. Consult Applications Engineering at (800) 227-8766 for details.

The 1249 provides a convenient and economical solution for pressure or flow control where the necessary power and PID control functions are already available in the system.

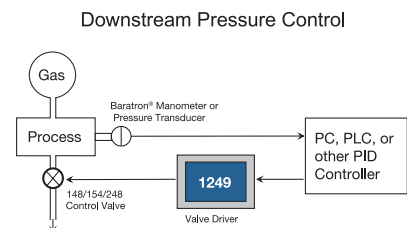
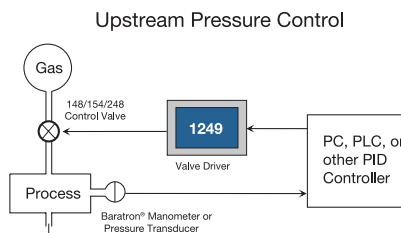
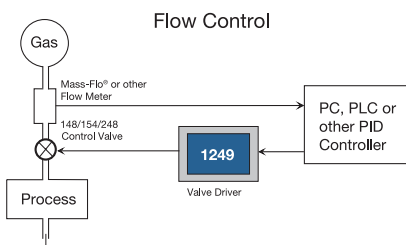
Product Features

- Enables PC, PLC, or other user-supplied control algorithm to operate a proportioning control valve
- Flexible power and signal requirements



Key Benefits

- Makes use of existing system capabilities to lower the cost of pressure or flow control
- Small package can be mounted wherever space is available



Specifications

Power Input Required		<ul style="list-style-type: none"> • ± 15 VDC $\pm 5\%$ @ 330 mA max. • 24 VDC $\pm 10\%$ @ 270 mA max. (including valve)
Input Signal	Analog Digital	<ul style="list-style-type: none"> • 0-5 VDC, 0-10 VDC or 4-20 mA (user selectable) • TTL or open collector overrides to open or close valve
Output Signal		0-300 mA
Input Connector/Output Connector		15-pin Type "D" male/9-pin Type "D" female
Indicators		Valve open/valve closed LED
Adjustments		Manual bias pot
Dimensions		1.13"H x 3.28"L x 4.12"D (28.7 mm x 83.3 mm x 104.6 mm)
Operating Temperature Range		0°C to +50°C
Operating Humidity Range		0% to 95% RH non-condensing
Compliance¹		CE

¹For CE compliance an overall metal braided shielded cable, properly grounded at both ends, must be used.

Note: The 154B requires a special version of the 1249B for valve control operation.

Ordering Information

Ordering Code Example: 1249B	Code	Configuration
1249 Solenoid Control Valve Driver	1249B	1249B