

# Signal Amplifiers

Signal Amplifiers are used to control proportional valves using 0-5V, 0-10V or 4-20 mA control signal. The amplifier boosts the control signal to provide required power to drive the valve. It uses DC power supply to boost the control signal. There is some nominal voltage drop in the amplifier so it is recommended to use a power supply at least 2V higher (min 9 –max 30 V) in voltage rating than that of the valve, to use the valve to its full capacity. All the amplifiers are set in the factory to use with each type of valve. Dither is set to Zero in factory default setting.



**Amplifier Part Number Matrix**  
(\$200/each)

Valve	Control Signal		
	0-5 V	0-10 V	4-20 mA
Standard PFCV	5-800	10-800	20-800
Mini/ Coral 12 V	5-500	10-500	20-500
Mini/ Coral 24V	5-250	10-250	20-250
Nano 9V	5-090	10-090	20-090
Nano 24V	5-045	10-045	20-045

**Signal Amplifier Detailed Information**

Tech Data	Dimensional	Connection Diagram	FAQ