

The AP1231 Servo Amplifier is used in conjunction with motorized potentiometers for an analog answer to automation and remote control applications including speed controls, valve positioning, tensioning motors, feedback on governor controls and numerous other applications.



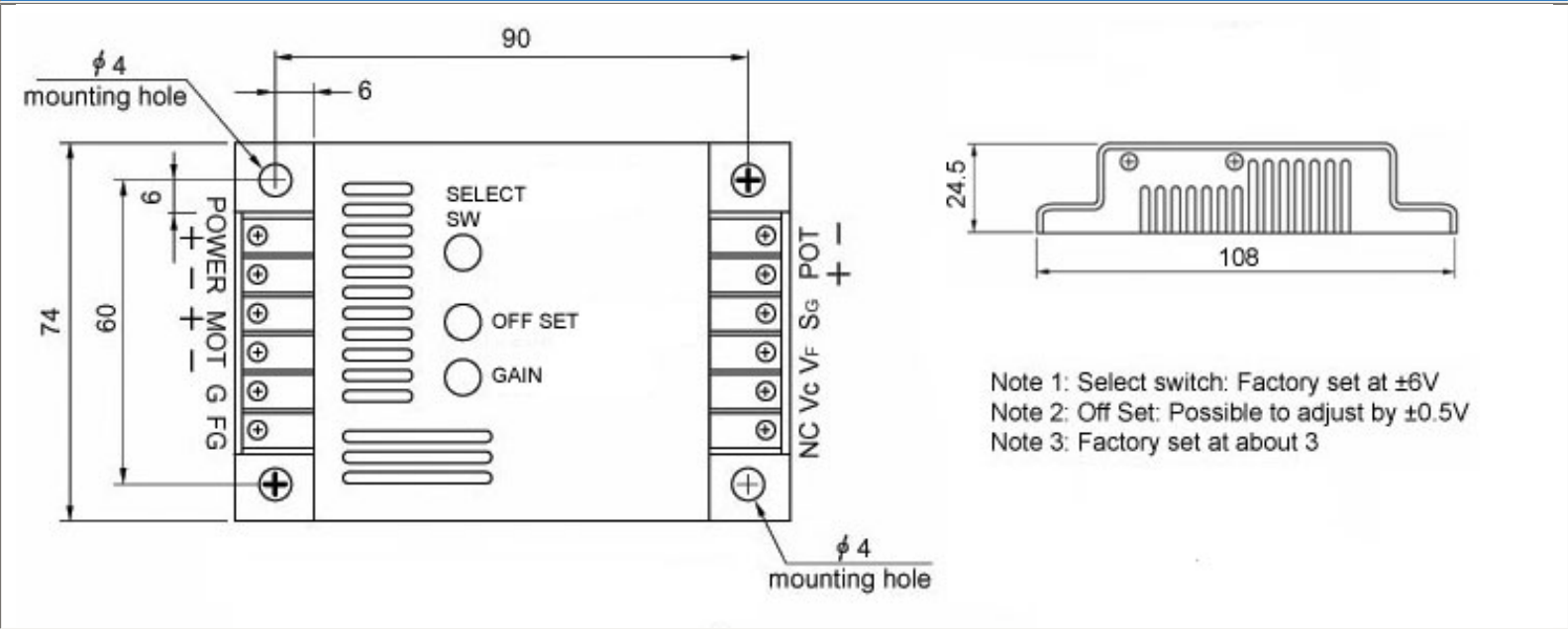
## Specifications

Voltage Amplification	0.2 ~ 20
Output Voltage (motor)	±6, ±12, ±18V
Output Current (motor)	1A
Output (potentiometer)	10VDC, 15mA max.
Input Impedance	> 1Mohm
Input Voltage	±10V max.
Operating Temperature	0°C to +40°C
Current Consumption @ No Load	approx. 50mA
Power Supply Voltage	24VDC ±10%

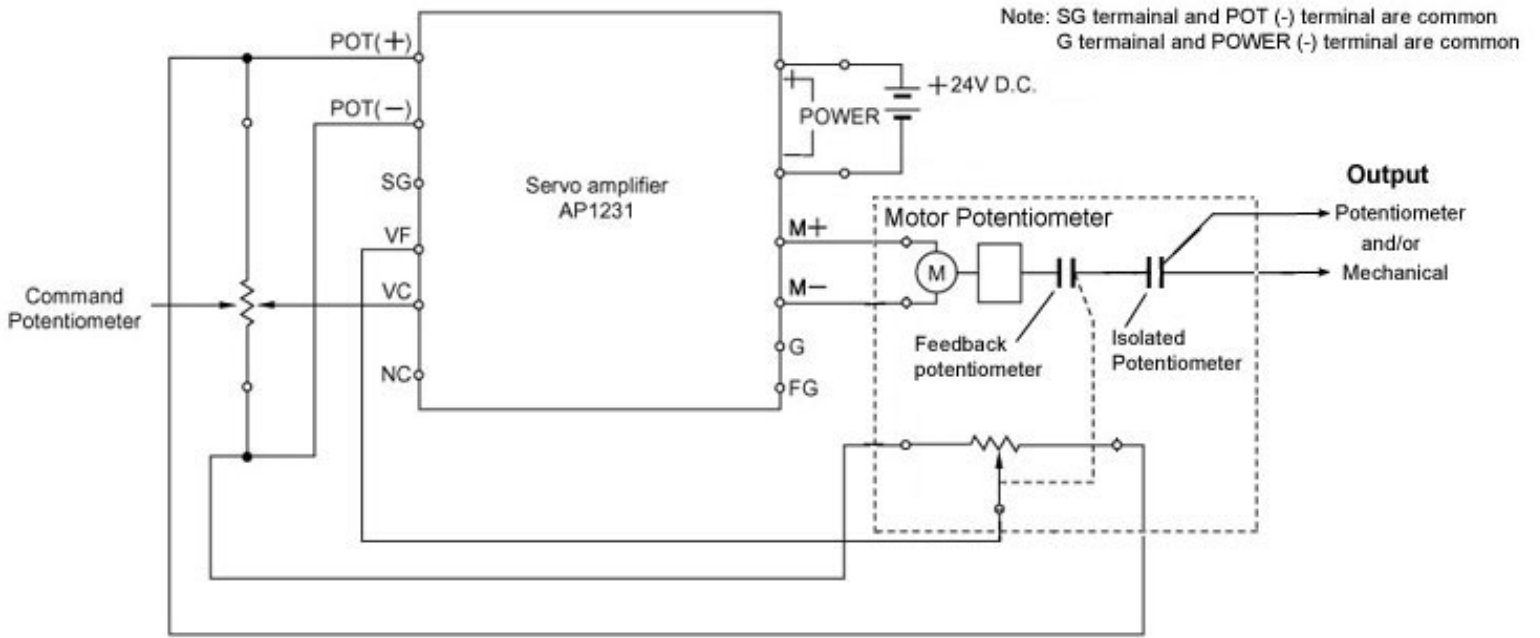
## Terminal Connections

<b>Power +</b>	+ Input terminal from power supply (24VDC)	<b>POT -</b>	Terminal for potentiometer supply (GND)
<b>Power -</b>	- Input terminal from power supply (24VDC)	<b>POT +</b>	Terminal for potentiometer supply (+ 10V)
<b>MOT +</b>	+ Motorized potentiometer connection	<b>SG</b>	Signal GND (common with pot -)
<b>MOT -</b>	- Motorized potentiometer connection	<b>VF</b>	Feedback input terminal from potentiometer
<b>G</b>	GND (common with power -)	<b>VC</b>	Command input terminal
<b>FG</b>	Chassis GND	<b>NC</b>	Idle terminal

## Dimensions (mm)

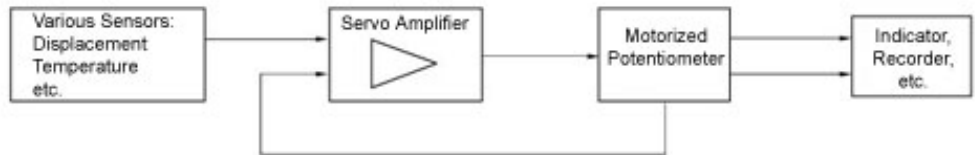


## Field Wiring Application Example

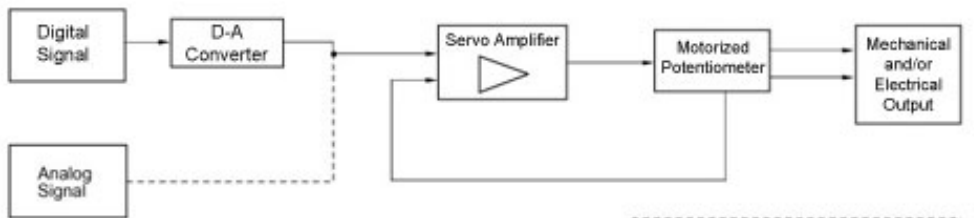


## Application Examples

### 1) Indicating and recording apparatus of various sensor outputs

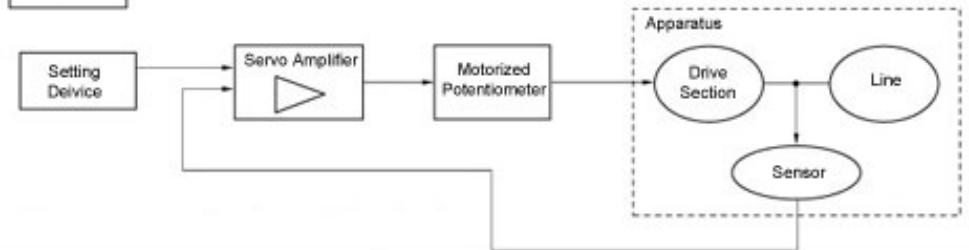


### 2) Remote control system of indicating values to be set



### 3) Automatic control system

Any program settings are possible by programming the setting device.



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