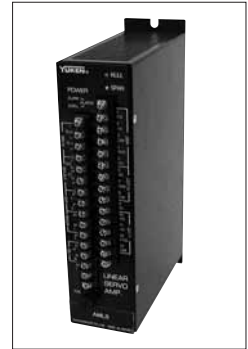


## Linear Servo Amplifier

This amplifier is used to drive LSVG/LSVHG series high speed linear servo valves. With an optimal design for the servo valves, the amplifier can maximize the valve performance.



### Specifications

Model Numbers	AMLS-*-D48-*-10	AMLS-*-D24-*-10
Description		
Power Supply	DC 48 V $\pm$ 2.4 V (200 VA or more)	DC 24 V $\pm$ 1.2 V (75 VA or more)
Rated Output Current	Continuous $\pm$ 2 A (4 A Peak)	Continuous $\pm$ 2 A (3 A Peak)
Input / Output Signal	Output Signal = Spool Travel Monitoring	
AMLS-*-D48/D24-A1-	Voltage Signal $\pm$ 10 V ( $R_i = 100\text{ k}\Omega$ , $R_L \geq 10\text{ k}\Omega$ )	
AMLS-*-D48/D24-B1-	Current Signal 4 - 20 mA ( $R_i = 200\ \Omega$ , $R_L \geq 100 - 500\text{ k}\Omega$ )	
AMLS-*-D48/D24-C1-	Current Signal $\pm$ 10 mA ( $R_i = 200\ \Omega$ , $R_L \geq 100 - 500\text{ k}\Omega$ )	
Control Input / Output Signal	a) Servo "ON" Input/Alarm Reset Input: Photocoupler Input Voltage: + 15 VDC to + 28 V, Input Impedance: 2.2 k $\Omega$ b) Overcurrent Output (Curr.AL.)/Deviation Alarm Output (CRTL.AL.): Photocoupler Output Voltage: Max. 50 VDC, Current: Max. 30 mA	
Ambient Temperature	0 - 50 $^{\circ}\text{C}$ (32 - 122 $^{\circ}\text{F}$ )	
Ambient Humidity	20 - 90 %RH (No Condensation)	
Mass	1.8 kg (4.0 lbs.)	

### Model Number Deignation

AMLS	-A	-D48	-A1	-10
Series Number	Applicable Valve Type	Supply Voltage	Input Signal/Spool Travel Monitoring	Design Number
<b>AMLS:</b> Linear Servo Amplifier	<b>A:</b> LSVG-03-4/10/20/40 <b>B:</b> LSVG-03-60 <b>C:</b> LSVHG-06-900 & LSVHG-10-1500 <b>C2:</b> LSVHG-04-750 <b>D:</b> LSVHG-06-1300	<b>D48:</b> 48 VDC <b>D24:</b> 24 VDC	<b>A1:</b> Voltage Signal $\pm$ 10 V <b>B1:</b> Current Signal 4 to 20 mA <b>C1:</b> Current Signal $\pm$ 10 mA	<b>10</b>

### I/O Signal Characteristics

