

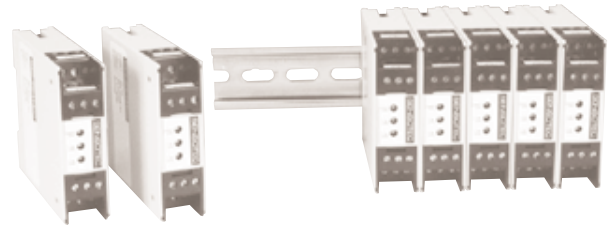
DIN Rail Mount In-Line Amplifiers

Models DV-05, DA-05, DV-10, DLD-VH, DLD-CH, DDI-01

CONVENIENT DIN RAIL MOUNT

FOR STRAIN GAGE TRANSDUCERS AND AC LVDTs

RFI, ESD PROTECTED



The new In-line Amplifiers feature DIN Rail Mount enclosures with front accessible electrical connections and adjustments. Amplifiers are available for Strain Gage Transducers and AC Type LVDTs with outputs in both VDC and milliamps.

The STRAIN GAGE TRANSDUCER AMPLIFIER provides a selectable, regulated DC excitation voltage for the strain gage bridge. The transducer millivolt output signal is amplified to a high level, 0-5 or 0-10 VDC, with a frequency response of DC to 5000 Hz. Calibration and set up are made easy with a "relay buffered" shunt calibration circuit that allows span adjustment without applying a known input to the strain gage transducer. All models include RFI and ESD protection.

For Strain Gage Transducers

	Model DV-05 0±5 VDC output (3-wire) with 11-28 VDC power Order Code BE151	Model DA-05 4-20mA output (3-wire) with 13-28 VDC power Order Code BE153	Model DV-10* 0±10VDC output (3-wire) with 15-28 VDC power Order Code BE155
Current Draw	60mA	60mA	60mA
Bridge Excitation (@ 30mA)	3 or 5 VDC	3 or 5 VDC	5.4 or 9 mA
Frequency Response	DC - 5000Hz		
Zero Adjustment Range	DV-05 & DA-05: ±60% coarse & ±10% fine DV-10: ±30% coarse & ±5% fine		
Span Adjustment Range:	DV-05 & DA-05: Switch selectable 0.5 to 13.3 mV/V, ±20% fine adjustment DV-10: Switch selectable 1.75 to 13.3 mV/V, -8 to +20 fine adjustment -20° to 180°F		
Operating Temperature:	±0.01%		
Linearity:	35mm DIN Rail		
Mounting:	0.9" wide x 4.3" deep x 2.9" high		
Dimensions	22.5mm wide x 110mm deep x 75mm high		

For AC LVDTs

	Model DLD-VH 0±5 or 0±10 VDC output with 18-36 VDC power Order Code BE152	Model DLD-CH 4-20mA output with 18-36 VDC power Order Code BE154
Power Requirements.....	18-36VDC @ 150mA max.	
LVDT Excitation:.....	3 volts RMS @ 5 KHz	
Outputs.....	DLD-VH: 0±5 or 0±10VDC, field selectable DLD-CH: 4-20mA	
Frequency Response.....	DC to 300 Hz	
Zero Adjustment Range:.....	±100% coarse & ±20% fine	
Span Or Gain Adjustment.....	±10% fine adjustment over input range form 0.1 to 15 VRMS	
Linearity.....	±0.05% F.S.	
Operating Temperature.....	-20° to 140°F	
Mounting.....	35mm DIN Rail	
Dimensions.....	0.9" wide x 4.3" deep by 2.9" high 22.5mm wide x 110mm deep x 75mm high	
Power Supply Isolation.....	500V	

* Bridge excitation is 5.4 or 9.0 VDC @ 30mA

SENSOTEC

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