

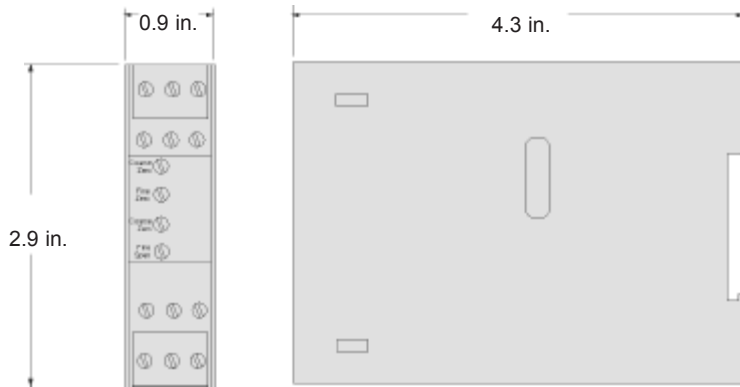
# Model DV-05 DIN Rail Mount In-Line Amplifiers

Order Code BE151

- DIN Rail Mount
- Unamplified Transducer Input
- Bridge Based Transducer Input
- 0 to +/-5V 3-Wire Output
- RFI, ESD Protected CE



## Dimensions



## General

Number of Channels.....One  
Case Material.....Plastic  
Mounting.....35 mm DIN  
Certification.....CE Approved

## Environmental

Temperature, Operating.....-40° to 200° F  
Temperature, Storage.....-40° to 200° F

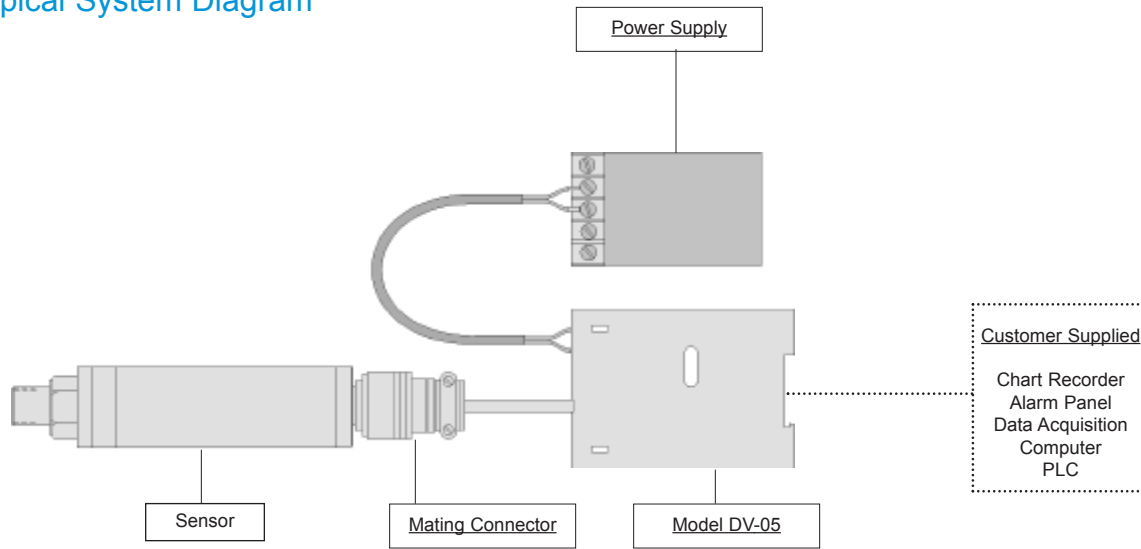
## Transducer Interface

Transducer Type.....Bridge based sensor  
Transducer Excitation.....3 or 5 VDC @ 30 mA (Short circuit protection)

## Amplifier Characteristics

Supply Voltage.....11-28 VDC  
Current Draw.....60 mA  
Zero Adjustment Range.....+/- 60% coarse adjustment  
.....+/- 10% fine adjustment  
Span Adjustment Range.....Switch selectable 0.5 to 13.3 mV/V  
.....+/- 20% fine adjustment  
Linearity.....+/- 0.01%  
Output.....+/- 5 VDC  
Output Current.....2 mA  
Frequency Response (-3 db).....DC-7,000 Hz with 350 Ohm bridge  
.....DC-2,500 Hz with 5,000 Ohm bridge  
Rise Time (0 to 90%).....56 s with 350 Ohm bridge  
.....145 s with 5,000 Ohm bridge  
Signal to Noise Ratio.....66 db  
DC Power Supply Rejection Ratio.....Greater than 110 db

Typical System Diagram



Options

	Built to Order
58e, 2 Pole Filter Option	1 Hz
	3 Hz
	5 Hz
	10 Hz
	20 Hz
	30 Hz
	50 Hz
	100 Hz
	300 Hz
	500 Hz
1,000 Hz	
	2,500 Hz (350 Ohm bridge)
	7,000 Hz (5,000 Ohm bridge)

■ Supplied as standard



-Not RoHS Compliant

How to Order

Combine the order code, the options code and the filter frequency.

Sample Code: **BE151** **58e, 50 Hz**  
Order Code      Filter with Frequency