

## Model DLD-VH DIN

### Rail Mount In-Line Amplifier



#### DESCRIPTION

These in-line amplifiers feature DIN-rail mount enclosures with front accessible electrical connections and adjustments. Amplifiers are available for ac-type displacement transducers with outputs in both Vdc or mA.

#### FEATURES

- DIN rail mount
- ac displacement transducer input
- 0 to  $\pm 5$  Vdc or 0 to  $\pm 10$  Vdc field selectable output with 18 Vdc to 36 Vdc power
- 3 V RMS @ 5 kHz
- RFI, ESD protected

# Model DLD-VH DIN

## PERFORMANCE SPECIFICATIONS

Characteristic	Measure
Number of channels	1
Case material	Plastic
Mounting	35 mm DIN

## ENVIRONMENTAL SPECIFICATIONS

Characteristic	Measure
Temperature, operating	-29 °C to 60 °C [-20 °F to 140 °F]
Temperature, storage	-40 °C to 93 °C [-40 °F to 200 °F]

## TRANSDUCER INTERFACE

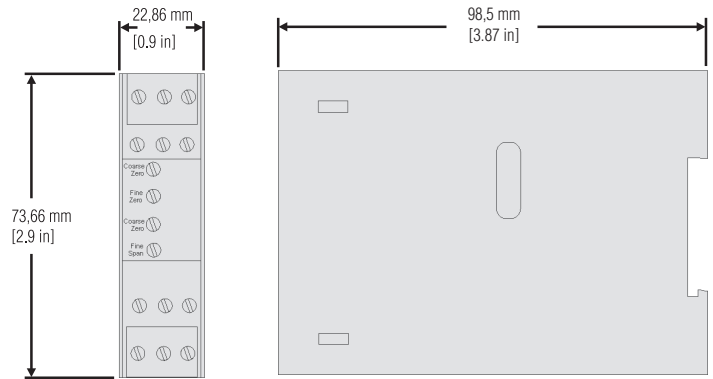
Characteristic	Measure
Transducer type	ac displacement transducers
Transducer excitation	3 V RMS @ 5 kHz

## AMPLIFIER CHARACTERISTICS

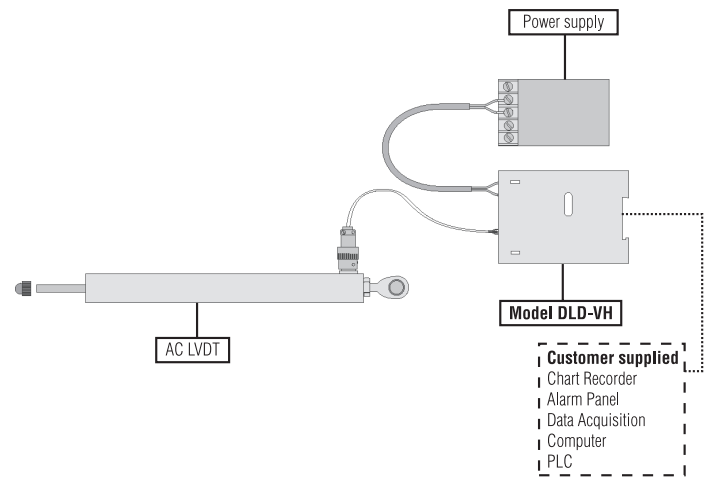
Characteristic	Measure
Supply voltage	18 Vdc to 36 Vdc
Power supply isolation	500 V
Current draw	100 mA
Zero adjustment range, coarse	±100 %
Zero adjustment range, fine	±20 %
Span adjustment range	Switch selectable 0.1 VRMS to 15 VRMS input range
Span adjustment range, fine	±10 %
Linearity	±0.05 %
Output	0 ±5 Vdc or 0 ±10 Vdc (field selectable)
Frequency response (-3 db)	300 Hz

Not RoHS compliant

## MOUNTING DIMENSIONS AND CHARACTERISTICS



## TYPICAL SYSTEM DIAGRAM



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Specifications may change without notice. The information we supply is believed to be accurate and reliable as of this printing. However, we assume no responsibility for its use.

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Email inquiries to [info.sc@honeywell.com](mailto:info.sc@honeywell.com)

**⚠ WARNING**  
**PERSONAL INJURY**

- DO NOT USE these products as safety or emergency stop devices or in any other application where failure of the product could result in personal injury.

**Failure to comply with these instructions could result in death or serious injury.**

**⚠ WARNING**  
**MISUSE OF DOCUMENTATION**

- The information presented in this catalogue is for reference only. DO NOT USE this document as product installation information.
- Complete installation, operation and maintenance information is provided in the instructions supplied with each product.

**Failure to comply with these instructions could result in death or serious injury.**