Honeywell

# 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 ±5 Vdc or 0 to ±10 Vdc field selectable output with 18 Vdc to 36 Vdc power
- 3 V RMS @ 5 kHz
- RFI, ESD protected

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## 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

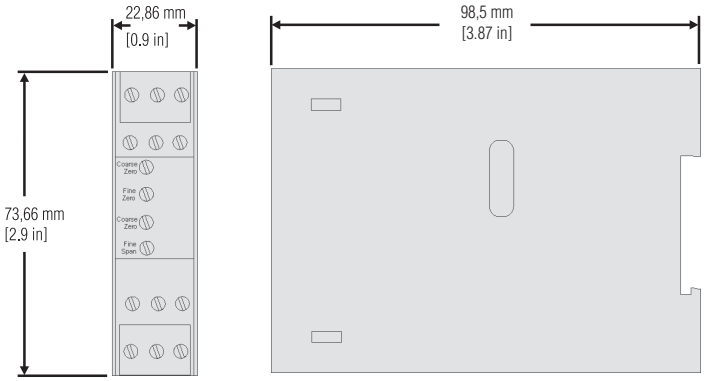
| Characteristic | Measure |
|---|---|
| Transducer type | ac displacement transducers |
| Transducer excitation | 3 V RMS @ 5 kHz |

## AMPLIFIER CHARACTERISTICS

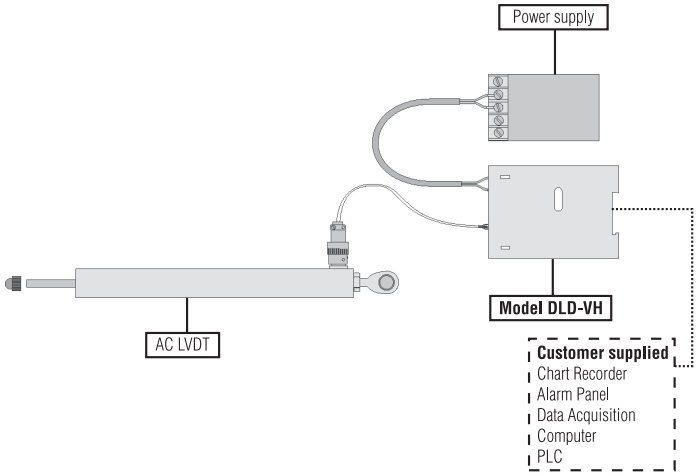
| Characteristic | Measure |
|---|---|
| Supply voltage | 18 Vdc to 36 Vdc |
| Power supply isolation | 500 V |
| Current draw | 100 mA |
| Zero adjustment range, coarse | ±100 % |
| Zero adjustment range, fine | ±20 % |
| Span adjustment range | Switch selectable 0.1 VRMS to 15 VRMS input range |
| 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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**Warranty.** Honeywell warrants goods of its manufacture as being free of defective materials and faulty workmanship. Honeywell's standard product warranty applies unless agreed to otherwise by Honeywell in writing; please refer to your order acknowledgement or consult your local sales office for specific warranty details. If warranted goods are returned to Honeywell during the period of coverage, Honeywell will repair or replace, at its option, without charge those items it finds defective. **The foregoing is buyer's sole remedy and is in lieu of all warranties, expressed or implied, including those of merchantability and fitness for a particular purpose. In no event shall Honeywell be liable for consequential, special, or indirect damages.**

While we provide application assistance personally, through our literature and the Honeywell web site, it is up to the customer to determine the suitability of the product in the application.

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.

For more information about Sensing and Control products, visit www.honeywell.com/sensing or call +1-815-235-6847
Email inquiries to 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.**

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