

## Model DLD-CH 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
- 4 mA to 20 mA output field selectable output with 18 Vdc to 36 Vdc power
- 3 V RMS @ 5 kHz
- RFI, ESD protected

# Model DLD-CH 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

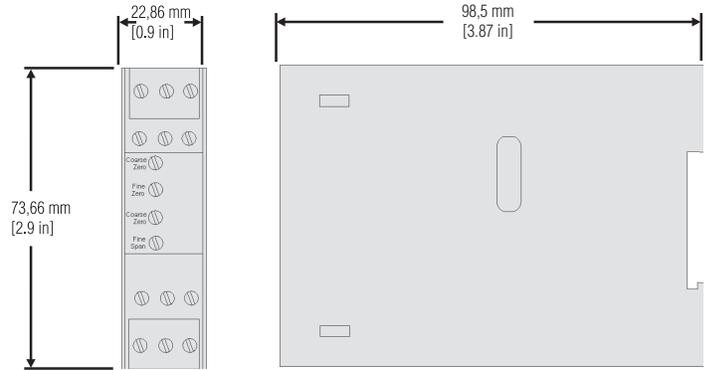
Characteristic	Measure
Transducer type	ac displacement transducers
Transducer excitation	3 V RMS @ 5 kHz

## AMPLIFIER CHARACTERISTICS

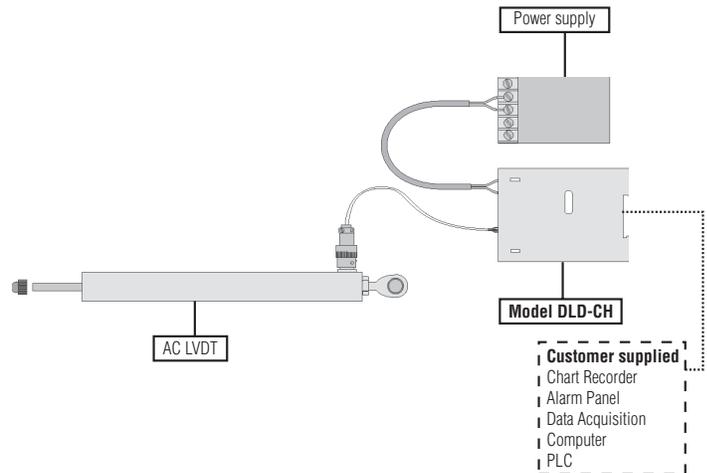
Characteristic	Measure
Supply voltage	18 Vdc to 36 Vdc
Power supply isolation	500 V
Current draw	90 mA
Zero adjustment range, coarse	±100 %
Zero adjustment range, fine	±20 %
Span adjustment range	Switch selectable 0.1 VRMS to 15 VRMS input range
Span adjustment range, fine	±10 %
Linearity	±0.05 %
Output	4 mA to 20 mA
Frequency response (-3 db)	300 Hz

Not RoHS compliant

## MOUNTING DIMENSIONS AND CHARACTERISTICS



## TYPICAL SYSTEM DIAGRAM



**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.**

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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.

For more information about Sensing and Control products, visit [www.honeywell.com/sensing](http://www.honeywell.com/sensing) or call +1-815-235-6847  
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.**