



DIN RAIL MOUNT SIGNAL CONDITIONER FOR AC LVDTs

LDX-D
£281



LDX-D, £281, shown smaller than actual size.

- ✓ Operates on 10 to 30 Vdc
- ✓ ±10 Vdc or 20 mA Selectable Output
- ✓ Compatible with AC LVDTs

The LDX-D is a DC-powered conditioning module that can accept a wide range of analogue inductive transducer types owing to its wide input gain. The signal polarity, span, and offset are adjustable. Output is selectable: ±10 Vdc voltage or ±20 mA current.

The housing is a standard DIN rail enclosure that can clip directly to a 35 mm top-hat rail (TS35 EN50022).

Transducers are connected via the screw terminals on the front of the LDX-D. Internal links and front-panel fine-adjustment potentiometers facilitate setup.

By linking 2 LDX-D modules, users can perform some analogue arithmetic functions, such as A + B, A - B, (A + B)/2 and (A - B)/2.

SPECIFICATIONS

Power Requirement: 10 to 30 Vdc

Supply Current:

Voltage Range: 140 mA @ 10 Vdc,
60 mA @ 30 Vdc

Current Range: 160 mA @ 10 Vdc,
70 mA @ 30 Vdc

Transducer Excitation:

Primary Voltage: 3 Vrms nominal

Primary Frequency (kHz): 5-, 10-
or 13-link selectable

Signal Input:

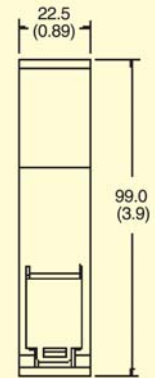
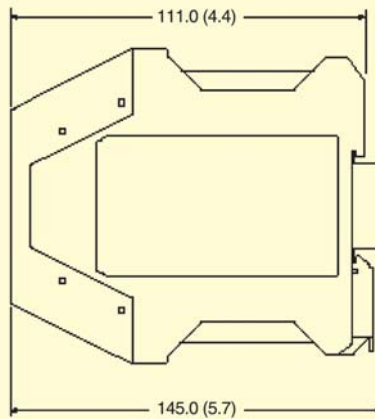
Input Range: 55 to 5000 mV

Input Load Resistance: 100 kΩ

Signal Output:

Voltage Output: Up to ±10 Vdc

Current Output: Up to 20 mA
into 150 Ω load



Dimensions: mm (in)

Output Ripple: <1 mVrms

Output Offset: Up to 100%

Temp Coefficient Gain:
<0.01% FSO/°C

Temp Coefficient Offset:
<0.01% FSO/°C

Warm-Up: 15 minutes recommended

Linearity: <0.1% FSO

Bandwidth (-3 dB): 500 Hz or 1 kHz,
link selectable

ENVIRONMENTAL

Operating Temp: 0 to 60°C
(32 to 140°F)

Storage Temp: -20 to 85°C (-4 to 185°F)

MECHANICAL

Transducer: Screw terminals

Power Supply: Screw terminals

Output Signal: Screw terminals

Weight: 120 g (4.2 oz)

Case Material: Green polyamide

MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)

MODEL NO.	PRICE	DESCRIPTION
LDX-D	£281	DC-powered signal conditioner for AC LVDT (DIN rail)

Comes with complete operator's manual.

Ordering Example: LDX-D, DC-powered signal conditioner for AC LVDTs (DIN rail), £281.

ACCESSORY

MODEL NO.	PRICE	DESCRIPTION
CM-4422	£27	Reference Book: Hydraulics and Pneumatics





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