DIN RAIL MOUNT
SIGNAL CONDITIONER
FOR AC TRANSDUCERS

LDX-D

1 YEAR WARRANTY CE

LDX-D, 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 analog 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 analog arithmetic functions, such as A + B, A – B, (A + B)/2 and (A – B)/2.

Dimensions: mm (inch)

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
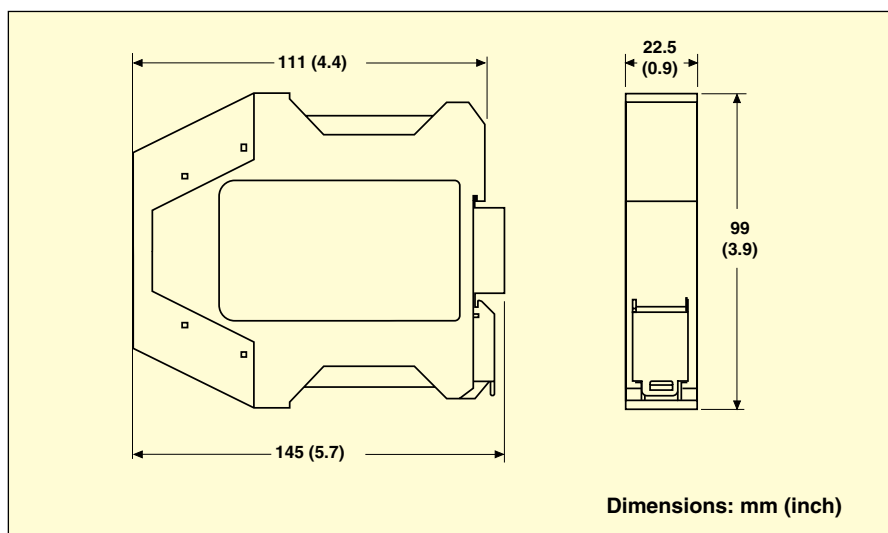 **Primary Frequency (kHz):** 5-, 10- or 13-link selectable
Signal Input:
  Input Range: 55 to 5000 mV
  Input Load Resistance: 100 kΩ
Signal Output:
  Voltage Output: Up to ±10 Vdc
  Current Output: Up to 20 mA into 150 Ω load
Output Ripple: <1 mVrms

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

To Order

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

Comes complete with operator's manual.
***Ordering Example: LDX-D,** DC-powered signal conditioner for AC LVDTs (DIN rail).*