

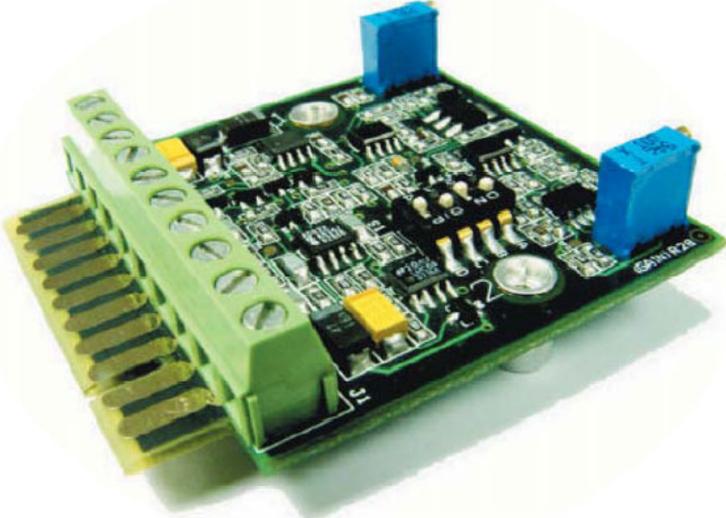
LiM 4-20 LVDT/RVDT Transmitter Module

The **LIM 4-20** is a low cost LVDT / RVDT transmitter module designed to provide good performance at a cost suitable for OEM applications.

Connection to the LIM 4-20 may be done utilizing the screw terminal barrier strip or optional card edge connector.

Dip switches are provided to set course gain ranges with a 2.5 to 1 screw potentiometer for fine output adjustments. A 4 to 20 mA output may be achieved with LVDT full scale outputs from 100 mV to 5.6 volts RMS.

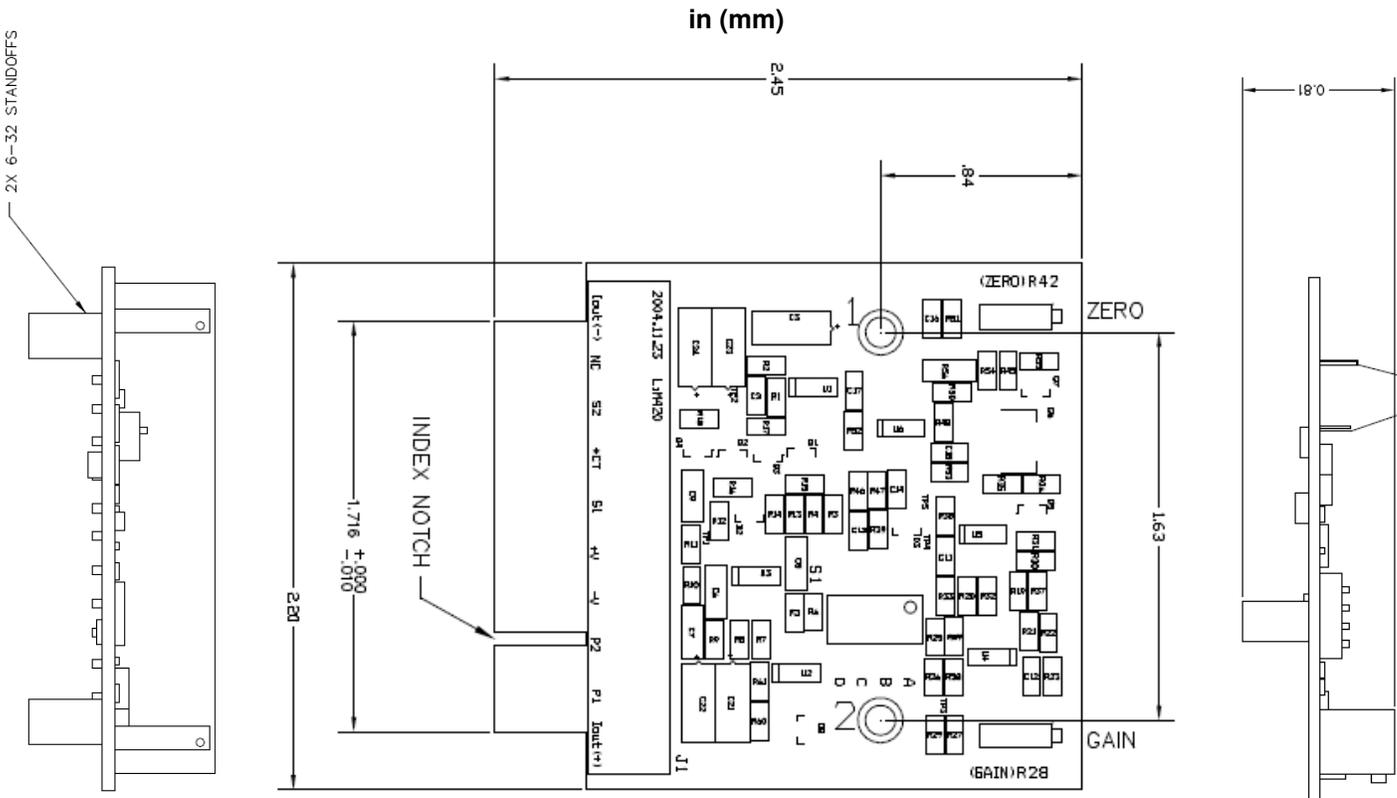
A 20-turn Zero Potentiometer provides for a +/- 2.5 mA zero offset capability.



APPLICATIONS

- Valve Position Feedback
- Roller Gap Sensing
- Paper Head Box Position
- Coater Knife Gap
- Materials testing Machines

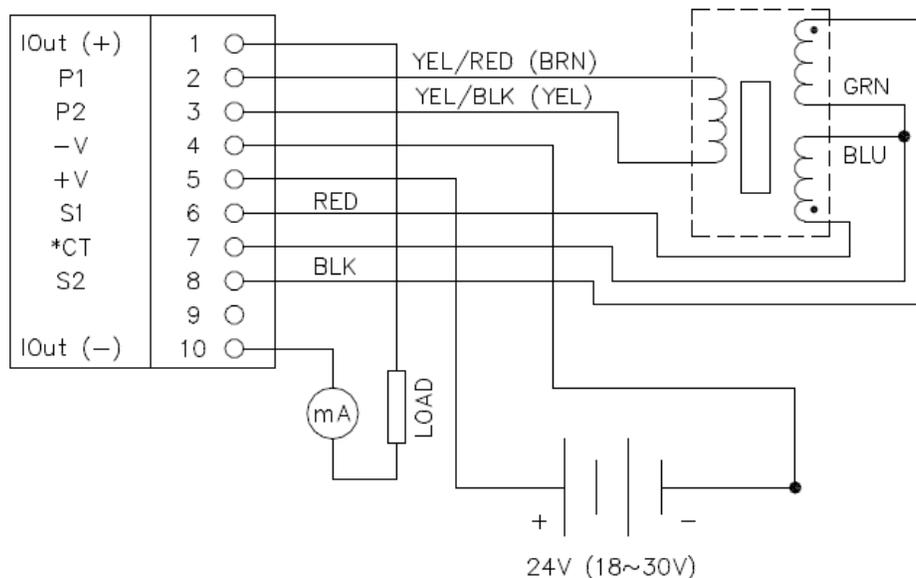
dimensions



Specifications

Transducer Excitation	
Voltage	3.5 ±10% V rms (up to 20mA)
Frequency	2.5 kHz
Output	4-20mA
Noise and Ripple	25 micro-Amps rms (max)
Maximum Loop Resistance	500 Ohms (with +24Vdc loop supply)
Sensitivity	0.1 to 5.6Vrms (for FS output)
Fixed Gain	6 (switch selectable)
Adjustable Gain	2.5 to 1
Zero Adjustment	+/- 2.5mA
Non-linearity	0.05%
Frequency Response	50 Hz (nominal) (-3dB)
Temperature Co-efficient	0.01% FSO/°F 0.02% FSO/°C
Operating Temperature	-13°F to +185°F -25°C to +85°C
Gain Controls	20 turn pot (2.5 to 1 ratio)
Input Voltage	18 to 30 Vdc
Input Current	50mA (max)
Stability	<0.05% of FSO (after 30-minute warm-up)

connections



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