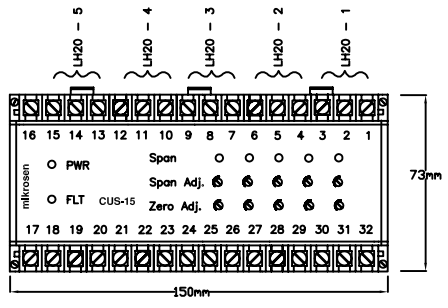
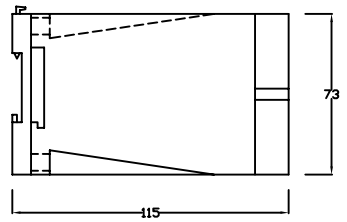
Dimensions:





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SPECIFICATIONS FOR AMPLIFIER/CONTROLLER:

Supply Voltage	: +12V,–12V (From PUS–01)
Maximum Allowable Ripple	: 10% (P–P)
Linearity	: +/– 2% of F.S
Resolution	: 0.05% of F.S
Output Response Frequency	: 3.3 Khz (–3db)
Average Current Output	: 4 – 20 mA Max. Load Resistance 250 Ohms
Average Voltage Output	: 0 – 10V, 10mA
Individual Voltage Output(1–5)	: 0 – 10V, 10mA
Alarm Output	: 1 NC, 24VDC, 1A
Temperature Stability	: 0.1% of F.S/°C
Ambient Temperature	: 0 – 60°C
Applicable Sensor Head	: LH20
Housing	: Plastic, ABS, 150x115x73mm
Connection	: 2.5 sq.mm Screw Terminal
Enclosure rating	: IP 67
Indication	: Red LED – Power Green LED – Fault, Span

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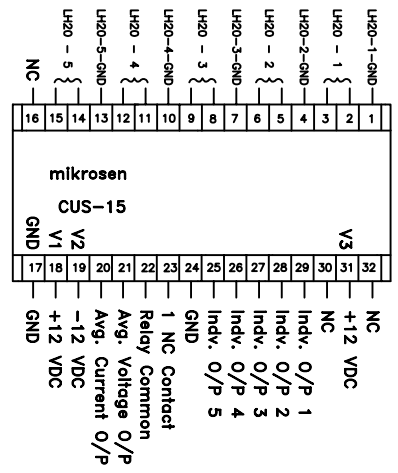
WIRING DIAGRAM



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CALIBRATION PROCEDURE

STEPS TO BE FOLLOWED:

a) The Zero & Span Potentiometers are used for the Calibration described below.

b) The Output Voltage of the Linear Displacement Sensor Is measured at the Individual Outputs ...O/P1 to O/P5 , with reference to GND terminal 24.(Refer Sheet No.3/3 of M119).

c) Insert a 2mm slip gauge between the Rollers and put a load on them.
Set Output voltage to 2.7 V using the trimming potentiometer marked as .
0.6 mm Slip Gauge Voltage 1.25 V ± 0.01V

d) Insert a 1.2mm slip gauge between the feeler rolls and put a load on them.
Set Output Voltage to 5.00 V using trimming potentiometer marked as Gain.
1.2 mm Slip Gauge Voltage 5.00 V ± 0.01 V

e) Repeat steps 'c' and 'd' until the above values are obtained.

f) To check the adjustment use a 0.9mm slip gauge. Insert a 0.9mm slip gauge between the feeler rolls and put a load on them. In this case the Output Voltage of the Measuring system should equal 3.13 V.
0.9 mm Slip Gauge Voltage 3.13 V ± 0.02 V

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