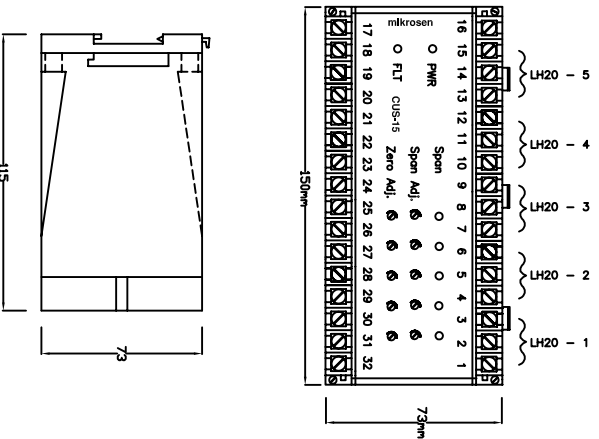


Dimensions:



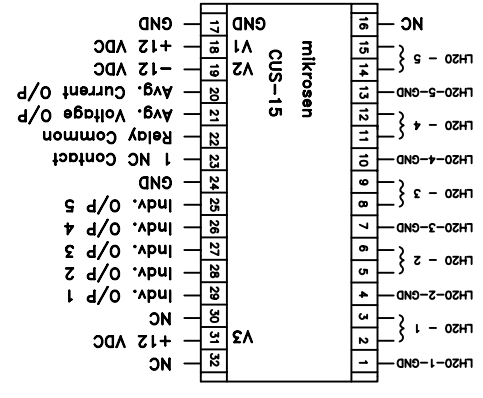
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SPECIFICATIONS FOR AMPLIFIER/CONTROLLER:

- 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
- Average Voltage Output** : 0 - 10V, 10mA
- Individual Voltage Output(1-5)** : 0 - 10V, 10mA
- Alarm Output** : 1 NC, 2A/DC, 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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