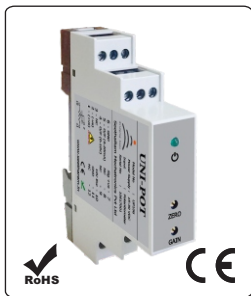


UNI - POT UP 207 SERIES

USER'S MANUAL



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Ver 1.0

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01. Technical Specification

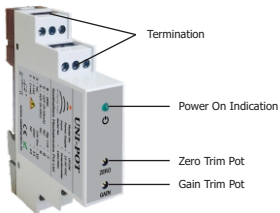
Model	UNI-POT
Linearity error	< 0.03% FSO
Transducer resistance	1...20kΩ
Input Impedence of cond.	> 80MΩ
Output load resistance	> 10kΩ
Supply voltage	15...30VDC
Current drain	<60mA
Supply voltage to transducer	10VDC
Zero signal accuracy	±0.1% FSO
Output	(0~10V), (4~20mA)
Output accuracy	±0.1% FSO
Inverse polarity protection	Yes
Response time (10...90% FSO)	<6ms
Typical thermal drift of zero	±0.01% FSO/°C
Typical thermal drift of span	±0.01% FSO/°C
Case material	Polyamide
IP Protection Class	Ip40

02. Electrical Connections

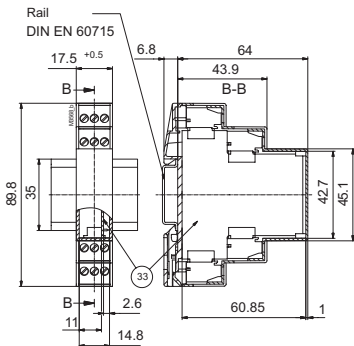
1 - Supply +ve	7 - Sig +ve
2 - Supply -ve	8 - NC
3 - NC	9 - NC
4 - O/P Voltage	10 - 10V Exc
5 - O/P Current	11 - GND
6 - GND	12 - NC



03. Product Description



Dimension Details



04. Procedure

- Connect 24VDC to input of unipot and check for LED indication.
- If LED is off, check input terminal (1 & 2) of power card with multimeter for ensuring its power supply.
- Check sensor excitation voltage at (10 & 11). If is 10VDC $\pm 0.1V$ lesser (or) greater then report to factory.
- Connect sensor terminals to EXC.+^{ve}, EXC.-^{ve} and signal positive to unipot terminal (10, 11 & 7).
- Check output voltage variation at 4 & 6 terminals during scaling (minimum to maximum travel). If it is varying linearly minimum to maximum then proceed else check sensor resistance variation to acknowledge its working. Check connection between sensor and unipot.
- Check output current variation at 5 & 6 terminals during scaling (minimum to maximum travel). If it is varying linearly minimum to maximum then proceed else check sensor resistance variation to acknowledge its working. Check connection between sensor and unipot.
- If output variation problem persist report to factory. At zero scaling vary zero pot and at maximum value scaling vary gain pot to (0~10VDC) & (4~20mA)
- Move minimum to maximum value for 5 cycles to check any drift in output value.
- If there is a drift, adjust the respective pots and check again.
- If the output is constant then proceed to make measurements.

05. Precautions

- Please keep it out of wet places
- Do not set it up near vibration & impulse, high temperature and humidity.
- Keep it out of the direct rays of the sun. Set it up where there is less dust, and Keep it out of direct air including salt and ion.
- Do not use when there is inflammable gas or heavy machinery, and smog.
- Use insulated tuner.

Warning

“ It is strictly forbidden to use this product for any other purpose of use or to attempt to make any alteration on this product. ”

06. DO'S

- Check for product labels. If connection details on product not available contact factory.
- Check for input and output terminal polarity before switch on the power supply.

DON'T'S

- Interchange polarity connection at input (or) output terminal.
- Interchange connection between input and output terminal side.
- Interchange EXC.+^{ve}, EXC.-^{ve} and signal positive terminals connections.
- Tuning of zero and gain pot at respective scale movement.
- Over tune of pot beyond its end point. (End point – stuck while tuning).

07. Other Products

SANKET S DIN RAIL



ANALOG MODBUS



RF MODULE

