UNI-POT

SIGNAL CONDITIONER FOR POTENTIOMETRIC TRANSDUCER

The UNI-POT signal conditioners have been designed to enable the user to adapt the output impendence of linear or rotative displacement transducers Potentiometric with acquisition systems or PLC, in a way that does not alter the linearity of the transducer itself.

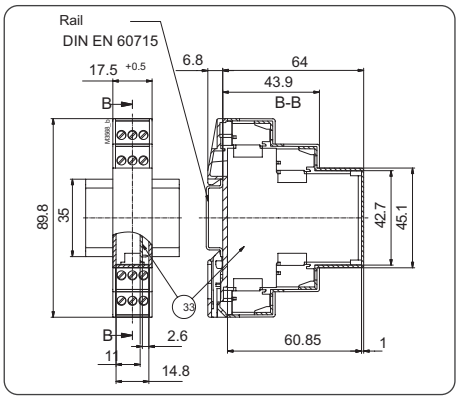
FEATURES

- High impendence input >80Mohm
- Voltage output 0~10VDC
- Current output 4~20mA
- Linearity error <0.03% full scale output
- Low thermal drift 0.01% full scale /°C
- Suitable for DIN rail mounting EN60715

TECHNICAL SPECIFICATION

Model	UNI-POT
Linearity error	< 0.03% FSO
Transducer resistance	1...20kΩ
Input Impendence 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

DIMENSION DETAILS



ELECTRICAL CONNECTION

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

OTHER PRODUCTS

SANKET S DIN RAIL

ANALOG MODBUS

RF MODULE

Specifications are subject to change without Prior notice