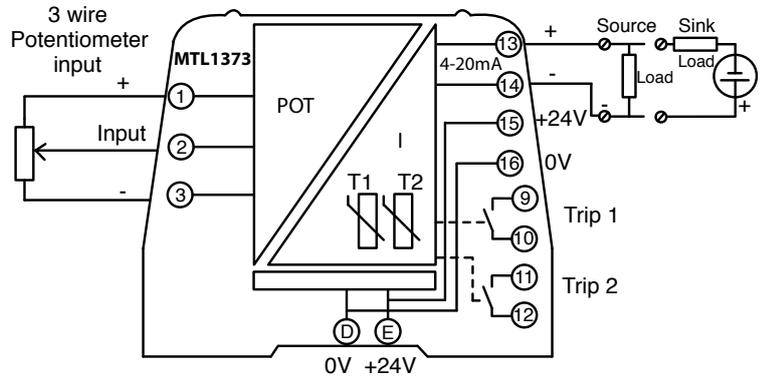


MTL1373 Potentiometer input converter and trip amplifier

1 channel for 3 wire
potentiometer sensors,
2 alarm outputs

The MTL1373 is a single channel signal converter which can accept a potentiometer input and converts the signal to 4-20mA. Potentiometers between 100Ω and 100kΩ can be connected. 2 trip amplifiers are also provided with level settings. The module may be powered directly or via the PBUS17.5 power feed in the DIN rail.



Terminals	Function
1	Input +
2	Wiper
3	Input -
9	Trip 1 contact (NO)
10	Trip 1 contact
11	Trip 2 contact (NO)
12	Trip 2 contact
13	Output +
14	Output -
15, E	Power supply +ve
16, D	Power supply -ve

SPECIFICATION see also common specification	
Number of channels	One with fully floating input and output
Location of equipment	Safe area
Input signal	3 wire potentiometer, 100Ω to 100kΩ resistance
Output signal	4-20mA, current source or current sink
Over-range	None
Field input resistance	>100kΩ
Transfer accuracy at 20 °C	0.2%
Temperature drift	<0.01% /°C
Relay characteristics	Contact rating: 250V ac, 2A cosφ >0.7, 340V dc, 2A resistive load
Current consumption	80mA max, 55mA typical @24V
Power dissipation	0.6W
Isolation	250V ac or dc between power, field and system circuits. (tested to 1100Vac)