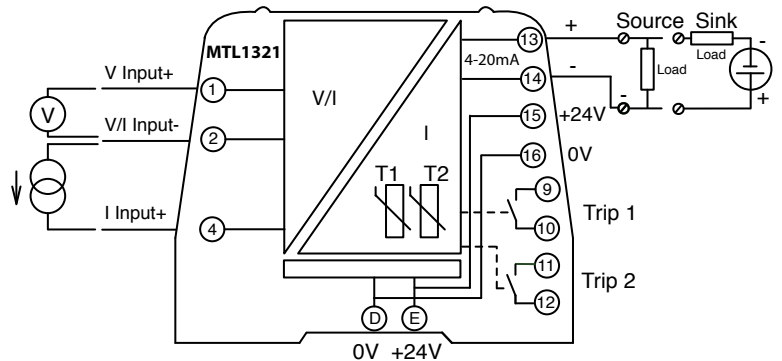


MTL1321

0-10V / 0-20mA

Trip Amplifier

1 channel voltage/
current input with 2
alarm outputs



The **MTL1321** converts current or voltage inputs to 0/4-20mA in a source or sink mode. There are 2 trip amplifiers provided with level settings. The module may be powered directly or via the PBUS17.5 power feed in the DIN rail

Terminals	Function
1	Voltage input +
2	Voltage/current input -
4	Current 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 output
Location of sensor	Safe area
Input signal ranges	0-1V, 0-5V, 0-10V, 1-5V, 0-20mA, 4-20mA
Output signal	0-20mA, 4-20mA
Over-range	>22mA
Field input resistance	Current mode 10Ω, Voltage mode >100kΩ
Output load resistance (source mode)	@20mA 270Ω
Response time	20mS
Transfer Accuracy at 20 °C	0.2% (0.4% 100mV input)
Temperature drift	<0.01% of span/°C
Relay characteristics	Contact rating: 250V ac, 2A cosØ >0.7, 340V dc, 2A resistive load
Current consumption	75mA max, 55mA typical @24V
Power dissipation	0.85W (with 20mA signal)
Isolation	250V ac or dc between power, field and system circuits. (tested to 1100Vac)