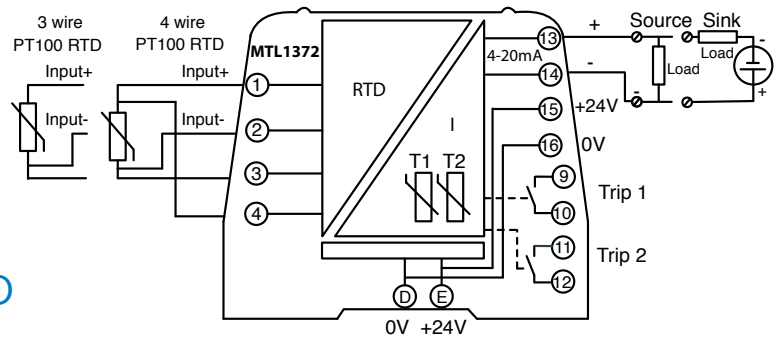


MTL1372 RTD device input converter and trip amplifier

1 channel for PT100 type RTD
sensors, 2 alarm outputs

The **MTL1372** is a single channel signal converter which can accept PT100 RTD inputs and converts the signal to 4-20mA. Ranges are selected by the user using switches on the module. 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	Input -
3	3 wire - / 4 wire -
4	4 wire +
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	PT100 RTD sensors, 3 or 4 wire connection
Range selection	Via switches, refer to instructions
Output signal	4-20mA, current source or current sink
Over-range	>22mA
Response time	500ms
Transfer accuracy at 20 °C	0.2%
Temperature drift	<0.01% /°C
Relay characteristics	Contact rating: 250V ac, 2A cosØ >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)