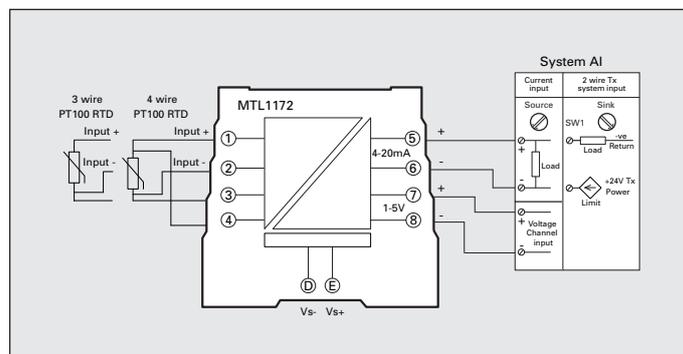


MTL1172

resistance temperature device input converter

1 channel for PT100
type RTD sensors



The MTL1172 is a single channel RTD converter with 4-20mA and 1-5V outputs. Input ranges are switch selectable.

Power for this module is supplied via the power bus embedded in the DIN rail.

The PBUS6.2 kit must be ordered separately. 10 x 2 way power clips are provided to power 20 modules.

The MTL1991 or PBUS02 is used to feed power onto the bus.

Terminals	Function
1	Input +
2	Input -
3	3 wire - / 4 wire -
4	4 wire +
5	Current Output + / Current Sink -
6	Current Output - / Current Sink +
7	Voltage Output +
8	Voltage Output -
D	Power supply -ve
E	Power supply +ve

SPECIFICATION	see also common specification
Number of channels	One, with fully floating outputs
Location of sensor	Safe area
Input range	15 switch selectable ranges, see instruction manual
Output range	Current output 4-20mA or voltage output 1-5V
Open wire detection	Switch selectable, upscale/downscale drive
Transfer accuracy	0.1% of span typical, 0.2% max
Temperature effect	0.01% / °C
Current consumption	37mA @ 24V current output. 13mA @ 24V voltage output
Power dissipation	0.9W @ 24V
Isolation	50V ac or dc between power, field and system circuits (tested to 840Vac)