TM - 4DPI

4-WIRE UNIVERSAL TRANSMITTER
(DIN mount, user powered, isolated)

This versatile, compact transmitter accepts a range of inputs without the use of jumpers, making it ideal for a variety of applications.

It accepts either **DC** or mains voltage input, and has the option of either voltage or current output.

- USB port (requires TM - USB kit - see p.8)
- Status LED: Flashing= Normal On=Fault
- Potentiometer for fine offset adjustment of current output
- 35mm DIN rail case 79 x 30 x 75mm (H x W x D)

Input range

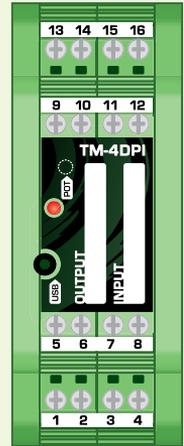|	
RTD	PT100, PT1000,
Thermocouple	B, E, J, K, N, R, S T or custom type
Current	0-20mA, 4-20mA
Voltage	100-0mV, 10-0V, $^+$10-$^-$10V
Potentiometer	2kΩ-1MΩ
Operating temp.	$^-$10-$^+$60°C
Supply voltage	85-265V AC 20-72V DC
Isolation voltage	2.3kV AC (test) 250V AC (operation)

---------------- OUTPUT -----------

Current output	0-20mA, 20-0mA, 4-20mA, 20-4mA
Voltage output	0-10V, 10-0V, $^+$10-$^-$10V, $^-$10-$^+$10V
Temp. coefficient	≤±0.01% of span/°C

Response time	0-90%, 100-10% <1sec
Resolution	0.5µA
Accuracy	≤±0.1% of span
Max load	650Ω
Load stability	≤ 0.01% of span/100Ω
Error detection	LED indication for sensor errors (3.8mA, 21.5mA)
Linearisation	32-point flexible linearisation may be applied to current/ voltage inputs

CODE	DESCRIPTION
TM - 4DPI	4-wire universal transmitter (DIN-mount, isolated) Powered by 85-265V AC / 20-72V DC power supply
TM - USB	Reusable communications kit containing: USB programmer, head mount adaptor, transmitter/programmer interface cable and USB extension cable (See p.8 for more info.)