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D.C./D.C. & Temperature

D.C. input versions accept signals over a wide range providing galvanic isolation between the input and output signal. Output is directly proportional to the input. Thermocouple models also incorporate cold junction compensation for all base metal Thermocouples, and Thermocouple break protection. Suitable for data acquisition and data control monitoring.

Specification

Inputs:	D.C. Voltage: Any value between 10mV to 600V D.C. Current: Any value between 100µA to 10A
Thermocouple Models:	A range of temperature transmitters suitable for use with a variety of thermocouples.
Inputs:	The most popular types are: J-Fe/Const 0-700°C K-NiCr/NiA 0-1200°C T-Cu/Cn0-200°C
Auxiliary Power:	A.C.: 63.5, 110, 120, 220, 240, 380, 415, 440 and 480V D.C.: 12, 24, 48, 110, 120 or 135V

Product Codes – D.C./D.C. and Temperature Transducer

Input	O/P D.C.	A.C. Aux Power	Catalogue No.	Connection Diag.
D.C. Current	0/1mA	120V	256-TTA*-.**FA-DG	18
D.C. Millivolts	0/1mA	120V	256-TTM*-.**FA-DG	18
D.C. Voltage	0/1mA	120V	256-TTV*-.**FA-DG	18
Thermocouple				
Type K	0/1mA	120V	256-TTN*-KTFA-DG	18
Type T	0/1mA	120V	256-TTC*-TTFA-DG	18
Type J	0/1mA	120V	256-TTF*-JTFA-DG	18



Resistance Transmitter

A simple and convenient way of measuring and transmitting values of temperature in the form of a load independent D.C. signal. They detect varying resistance due to temperature change at the RTD (Resistance Temperature Detector). Designed for platinum (Vt. 100), Copper (Cu 10) or Nickel (Ni100) RTDs.

Specification

Input:	100Ω Platinum - (Pt100), 10Ω Copper, 100Ω Nickel
Outputs:	0/1mA, 0/5mA, 0/10mA, 0/20mA, 4/20mA,
Auxiliary:	A.C.: 110, 120, 220, 240, 380, 415V D.C.: 12, 24, 48, 110, 120 or 135V

Product Codes – Resistance Transmitter

Input	O/P D.C.	A.C. Aux Power	Catalogue No.	Connection Diag.
10 Ohms copper RTD	0/1mA	120V	253-TRR*-R1FA-DG	17
100 Ohms VT RTD	0/1mA	120V	253-TRR*-R2FA-DG	17

Ordering Information

Input span can be specified in temperature or resistance. The resistance value between lowest and highest temperature being measured must be within limits stated.

Platinum:	20Ω minimum span, 200Ω maximum span
Copper:	2Ω minimum span, 20Ω maximum span
Nickel:	20Ω minimum span, 200Ω maximum span