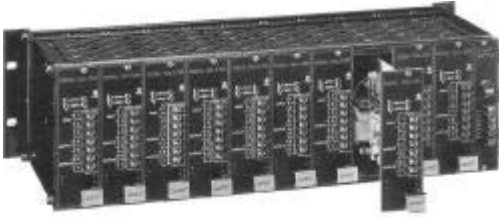


General Specifications

1&2 OUT THERMOCOUPLE CONVERTER



This instrument is a high accurate converter which receives RTD as input signal and converts variation of resistance following temperature to DC voltage and current output signal.

Also developed feed back circuit by our company is actualized high accurate linearization and compensation of line resistance.

Especially, it is advantageous to construct loop as that the input & output is separated completely and is isolated between 2 outputs.

SPECIFICATIONS

ITEMS	DESCRIPTIONS	
INPUT	Thermocouple (K, J, T, E, B, R, S)	
OUTPUT	DC Current or DC Voltage Signal	
ACCURACY	± 0.3% Max.	
TEMP. COEFFICIENT	± 0.02% / °C	
LINEARITY	± 0.1% F.S	
REPEATABILITY	± 0.05% F.S	
RESPONSE TIME	Less than 0.5sec (0-90%)	
INSULATION RESISTANCE	Greater than 100MΩ at DC 500V	
DIRECTRIC-STRENGTH	Input-Power AC1,500V	1 minute
	Input-1st Out-2nd Out AC1,500V	
	Input-Ground AC1,500V	
POWER SUPPLY	AC110V AC220V ± 10% 50-60Hz 4VA	
AMBIENT-TEMP	-5~ + 55°C (20~ 130°F)	
HUMIDITY	Less than 90% RH (no condensation)	
LINEARIZER	Standard function	
CASE MATERIAL	AL	
COLOR	BLACK	
WEIGHT	About 360g	
DIMENSION	W41 x H128.5 x D173mm	
MOUNTING	19 INCH STD. RACK MOUNTING FRAME (DUR-10G)	
OUTPUT		
LOAD RESISTANCE	Refer to Attached Technical Sheet.	

STANDARD INPUT RANGE

(UNIT: °C)

INPUT	RANGE
K	-50~ 100, 0~ 300, 0~ 400, 0~ 500, 0~ 600 0~ 800, 0~ 1000, 0~ 1200
J	0~ 200, 0~ 300, 0~ 400, 0~ 800
T	-20~ 80, 0~ 100, 0~ 200
R	600~ 1600

ORDERING CODE

MODEL : D U T C - [] [] [] - [] []

INPUT SIGNAL

- 1 K(CA)
- 2 J(IC)
- 3 T(CC)
- 4 E(CRC)
- 5 B
- 6 S
- 7 R
- 0 Other Thermocouple

1ST OUTPUT SIGNAL

- 7 DC 4~ 20mA
- F DC 1~ 5V
- G Others

2ND OUTPUT SIGNAL

- 7 DC 4~ 20mA
- F DC 1~ 5V
- G Others
- N None

POWER SUPPLY

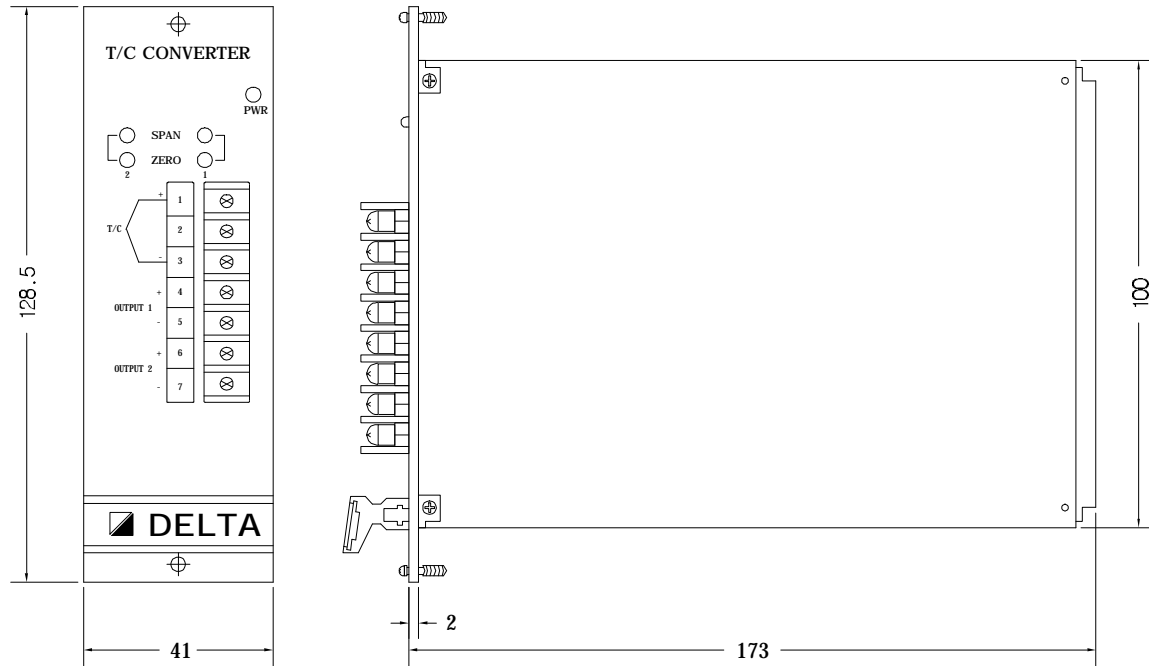
- 1 AC110V
- 2 AC220V

BURN OUT

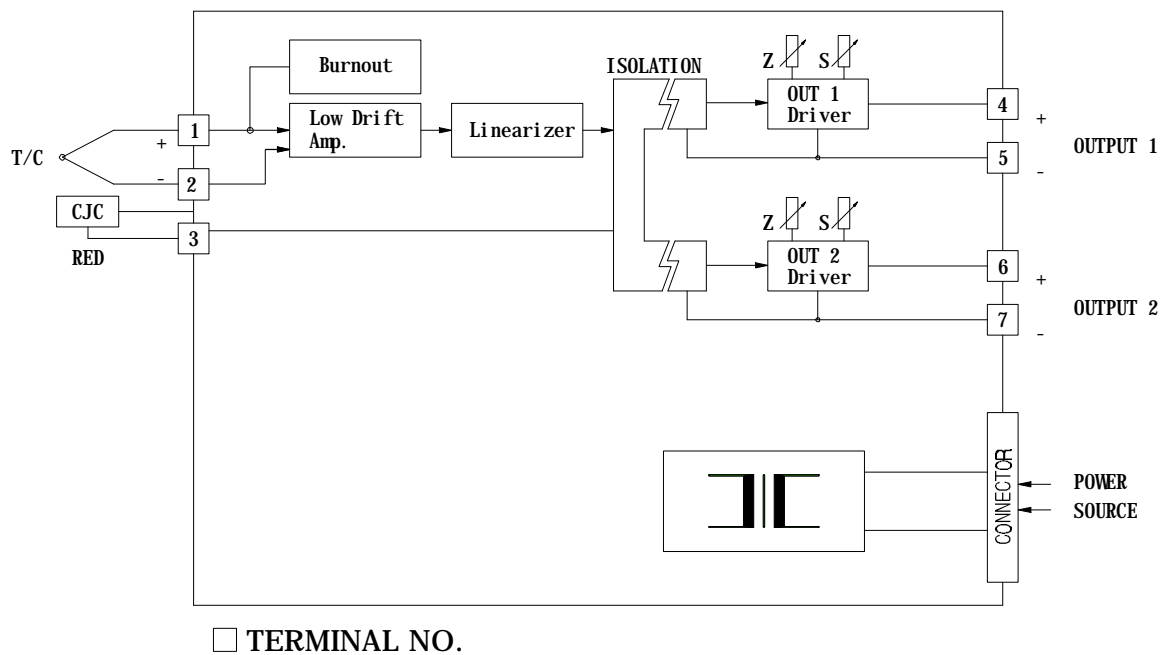
U : Up scale

* Please Specify the input range When you Order.

■ TERMINAL ASSIGNMENT & DIMENSION



■ SCHEMATIC CIRCUITRY & CONNECTION DIAGRAM



Specifications subject to change without notice.