

General Specifications

2 ISOLATED OUTPUTS THERMOCOUPLE CONVERTER



This instrument is a high accurate converter which receives signal corresponding to temperature as receiving input of each kind of T/C and converts to DC voltage and current output signal through temperature compensation and linearizer circuit. 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	¾ 0.3% Max.		
TEMP. COEFFICIENT	¾ 0.02% / ½		
LINEARITY	¾ 0.1% F.S		
REPEATABILITY	¾ 0.05% F.S		
RESPONSE TIME	Less than 0.5sec (0-90%)		
INSULATION RESISTANCE	Greater than 100MΩ at DC 500V		
DIRECTRIC-STRENGTH	Input-Power	AC1,000V	1 minute
	Input-1st Out-2nd Out	AC1,000V	
	Input-Ground	AC1,000V	
BURN-OUT	Upper Limit		
POWER SUPPLY	AC110V AC220V ¾ 10% 50-60Hz 4VA		
AMBIENT-TEMP	-5~ +55°C (20~ 130ℱ)		
HUMIDITY	Less than 90% RH (no condensation)		
LINEARLIZER	Standard function		
CASE MATERIAL	ABS		
COLOR	MUNSELL No. 7.5YR 5/2		
WEIGHT	About 500g		
DIMENSION	W50 x H80 x D132mm		
MOUNTING	WALL or DIN Rail		
OUTPUT	Refer to Attached Technical Sheet.		
LOAD RESISTANCE			

ORDERING CODE

MODEL : D W 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

POWER SUPPLY

- 1 AC100~240V
- 2 DC 24V

BURN OUT

U : Up scale

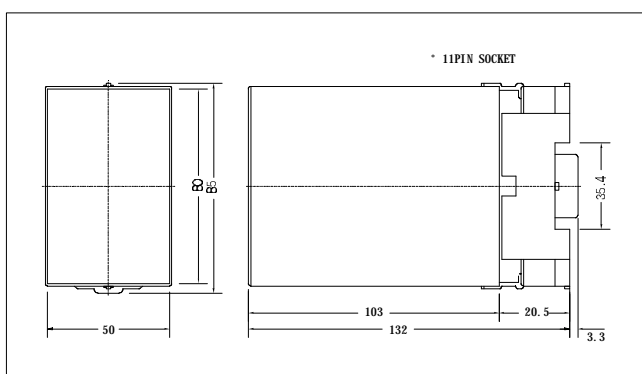
* Please Specify the input range When you Order.

STANDARD INPUT RANGE

(UNIT : ℉)

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

DIMENSION



WIRING DIAGRAM

