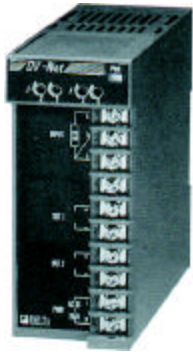


General Specifications

1&2 OUT THERMOCOUPLE CONVERTER



This instrument is a high accurate converter which receives signal corresponding on temperature as receiving of input of each kind of T/C and converts to DC voltage and current output signal through temperature compensation and linearizer circuit.

Input, output, power have built in separated isolation circuit and power adopt free voltage.

In the mounting method, you can freely select one between DIN RAIL mounting and WALL MOUNTING.

SPECIFICATIONS

ITEMS	DESCRIPTIONS	
INPUT	Thermocouple (K, J, T, E, B, R, S)	
OUTPUT	DC Current or DC Voltage Signal	
ACCURACY	¼ 0.3% Max.	
TEMP. COEFFICIENT	¼ 0.02% / ½	
LINEARITY	¼ 0.1% F.S	
REPEATABILITY	¼ 0.05% F.S	
RESPONSE TIME	Less than 0.5sec (0-90%)	
INPUT RESISTANCE	More than 1MΩ	
INSULATION RESISTANCE	Greater than 100MΩ at DC 500V	
DIELECTRIC-STRENGTH	Input-Power	AC1,000V
	Input-Output	AC1,000V
	1ST Out-2ND Out	AC1,000V
	1 minute	
BURN-OUT	Upper Limit	
POWER SUPPLY	AC Driven	AC85~264V 50-60Hz
	DC Driven	DC 24V ¼ 10% 130mA
POWER CONSUMPTION	Less than 7VA	
AMBIENT-TEMP	-5~+55°C (20~130µ)	
HUMIDITY	Less than 90% RH (no condensation)	
LINEARIZER	Standard function	
CASE MATERIAL	ABS / PC	
COLOR	BLUE	
WEIGHT	About 300g	
DIMENSION	W42 x H96 x D101mm	
MOUNTING	WALL or DIN RAIL	
OUTPUT		
LOAD RESISTANCE	Refer to Attached Technical Sheet.	

ORDERING CODE

MODEL : D V 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

- | | |
|------------------|-----------------|
| 1 DC 0~1mA | A DC 0~10mV |
| 2 DC 0~10mA | B DC 0~100mV |
| 3 DC 0~16mA | C DC 0~1V |
| 4 DC 0~20mA | D DC 0~10V |
| 5 DC 1~5mA | E DC 0~5V |
| 6 DC 2~10mA | F DC 1~5V |
| 7 DC 4~20mA | G DC -10~10V |
| 0 Other Current | Z Other Voltage |
| (Less than 20mA) | (Less than 12V) |

2ND OUTPUT SIGNAL

- N None
Same Range Availability as OUTPUT 1ST

POWER SUPPLY

- | |
|-----------------|
| 1 AC100V ~ 240V |
| 2 DC 24V |

BURN OUT

- U : Up scale

* Please Specify the input range When you Order.

STANDARD INPUT RANGE

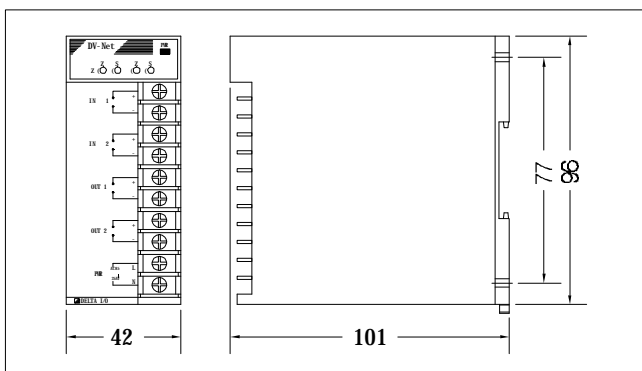
(UNIT : ½)

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

OUTPUT RESISTANCE

OUTPUT SIGNAL	LOAD RESISTANCE
1 ~ 5mA	Less than 2.4K Ω
4 ~ 20mA	Less than 600 Ω
1 ~ 5V	More than 500 Ω
0 ~ 10V	More than 1K Ω

DIMENSION



WIRING DIAGRAM

