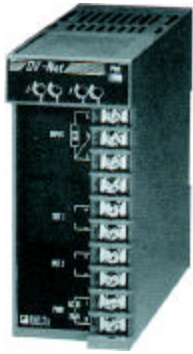


General Specifications

1&2 OUTPUT POTENTIOMETER CONVERTER



This instrument is a high accurate converter which receives resistance signal of 3 lines Potentiometer (100Ω ~ KΩ) as input and converts to DC voltage and current output signal.

Especially, it is widely used for float type water level detector, etc and has hardly mutual interference 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	Potensiometer (from 100Ω to 100KΩ)	
SUPPLY VOLTAGE TO P.TM	DC 1V	
OUTPUT	DC Current or DC Voltage Signal	
ACCURACY	¼ 0.1% Max.	
TEMP. COEFFICIENT	¼ 0.015% / °C	
LINEARITY	¼ 0.02% F.S	
REPEATABILITY	¼ 0.02% F.S	
RESPONSE TIME	Less than 0.5sec (0-90%)	
ADJUSTMENT	Zero / Span 50%	
INSULATION RESISTANCE	Greater than 100MΩ at DC 500V	
DIRECTRIC-STRENGTH	Input-Power	AC1,000V
	Input-Output	AC1,000V
	1ST Out-2ND Out	AC1,000V
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)	
LINEARLIZER	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 P C - [] [] [] [] - []

INPUT SIGNAL _____
POTENTIOMETER
(Total resistance 100Ω to 100KΩ)

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

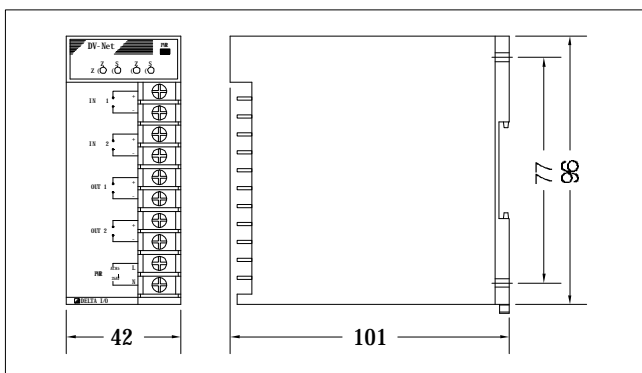
I/O ISOLATION _____
G : General Y : Isolation

* Please Specify the Input Resistance When you Order.

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

INPUT		OUTPUT		POWER	
1	MAX	5	+	9	L(+)
2	PTM	6	-		
3		MN	7	+	2ND OUTPUT
4	NC	8	-		