

General Specifications

2 ISOLATED OUTPUTS POTENTIOMETER CONVERTER



This instrument is a high accurate converter which receives resistance signal of 3 lines Potentiometer ($100\Omega \sim 100K\Omega$) as input, converts to DC current and voltage output signal. It is widely used for float type water level detector, etc and has hardly mutual interference.

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	Potentiometer (from 100Ω to 100kΩ)		
OUTPUT	DC Current or DC Voltage Signal		
ACCURACY	¼ 0.2% 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	Span	50 ~ 100%	
	Zero	0 ~ 50%	
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	
POWER SUPPLY	AC110V AC220V ¼ 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 LOAD RESISTANCE	Refer to Attached Technical Sheet.		

ORDERING CODE

MODEL : D W P C - -

INPUT SIGNAL

POTENTIOMETER
(Total resistance $100\Omega \sim 100K\Omega$)

1ST OUTPUT SIGNAL

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

2ND OUTPUT SIGNAL

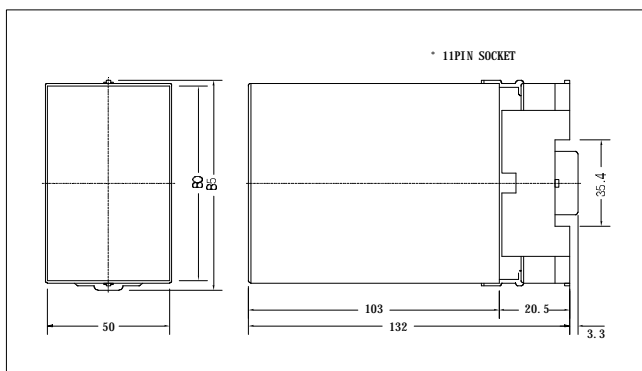
7 DC 4~20mA
F DC 1~5V
G Others

POWER SUPPLY

1 AC100~240V 2 DC 24V

* Please Specify the Input Resistance When you Order.

DIMENSION



WIRING DIAGRAM

