

General Specifications

2 ISOLATED OUTPUTS SQUARE ROOT CONVERTER



This is a high accurate converter which linearizes, compensates the square root scale of current output corresponding to flow in combination with pressure flow transmitter (D/P transmitter).

As requiring of user, it is possible to change cut off range of unstable low level flow.

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	DC signal (Current input to be combined through the application of precise resistor shunt)		
OUTPUT	DC Current or DC Voltage Signal		
ACCURACY	± 0.2% of span (Output 0% and 20~100%) ± 0.3% of span (Output 0% and 10~20%)		
TEMP. COEFFICIENT	± 0.02% F.S (Output 0% and 20~100%)		
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	
POWER SUPPLY	AC110V AC220V ± 10% 50-60Hz 3.5VA		
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		
STANDARD FUNCTION	The less Output of 10% is forced to be 0% Output by Drop out Circuit		
OUTPUT LOAD RESISTANCE	Refer to Attached Technical Sheet.		

ORDERING CODE

MODEL : D W S Q - -

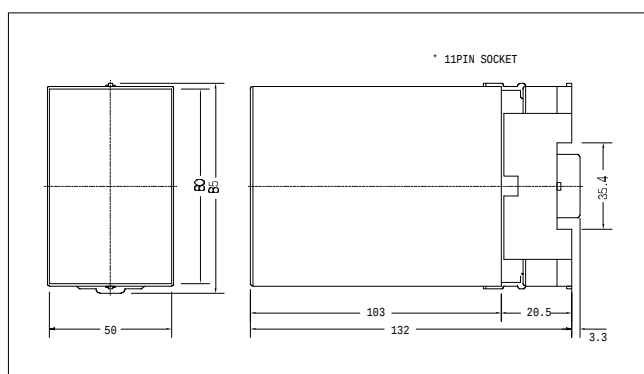
INPUT SIGNAL _____
 7 DC 4~20mA
 F DC 1~5V
 G Others

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

DIMENSION



WIRING DIAGRAM

