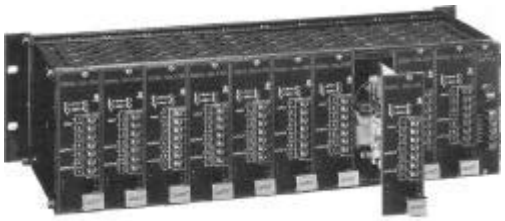
General Specifications

1 & 2 OUT R.T.D. CONVERTER



This instrument is a high accurate converter which receives signal corresponding to temperature as receiving of input of each kind of T/C and converts to DC voltage and current output signal through temperature compensation and linesrizer 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	*JPt 100Ω 3wire (Over 50deg)* *Adjustment needed for 2 wire bulb* *Permissible resistance of cable less than 200Ω*		
SUPPLY CURRENT TO Pt BULB	*DC 2mA*		
OUTPUT	*DC Current or DC Voltage Signal*		
ACCURACY	*± 0.2% Max.*		
TEMP. COEFFICIENT	*± 0.02% / ℃*		
LINEARITY	*± 0.02% F.S*		
REPEATABILITY	*± 0.05% F.S*		
RESPONSE TIME	*Less than 0.5sec (0-90%)*		
INSULATION RESISTANCE	*Greather than 100MΩ at DC 500V*		
DIRECTRIC-STRENGTH	*Input-Power*	*AC1,500V*	*1 minute*
	Input-1st Out-2nd Out	*AC1,500V*	
	Input-Ground	*AC1,500V*	
POWER SUPPLY	*AC110V AC220V ± 10% 50-60Hz 4VA*		
AMBIENT-TEMP	*-5~+55℃ (20~130℉)*		
HUMIDITY	*Less than 90% RH (no condensation)*		
LINEARLIZER	*Standard function*		
CASE MATERIAL	*AL*		
COLOR	*BLACK*		
WEIGHT	*About 360g*		
DIMENSION	*W41 x H128.5 x D173mm*		
MOUNTING	*19 INCH STD. RACK MOUNTING FRAME (DUR-10G)*		
OUTPUT LOAD RESISTANCE	*Refer to Attached Technical Sheet.*		

※ *STANDARD INPUT RANGE*

(UNIT : ℃)

INPUT	*RANGE*
JPt 100Ω	*0~50,0~100,0~150,0~200,0~250,0~300,0~400,* *0~500,-20~+80,-50~+50,-50~+150,50~100,* *50~150,100~200,100~300,200~400*

■ *ORDERING CODE*

MODEL : D U R B - □ □ □ □ - □

INPUT SIGNAL
- *1 JPt 100Ω (JIS) 3-wire*
- *2 Pt 100Ω (DIN) 3-wire*
- *3 Others*

1ST OUTPUT SIGNAL
- *7 DC 4~20mA*
- *F DC 1~5V*
- *G Others*

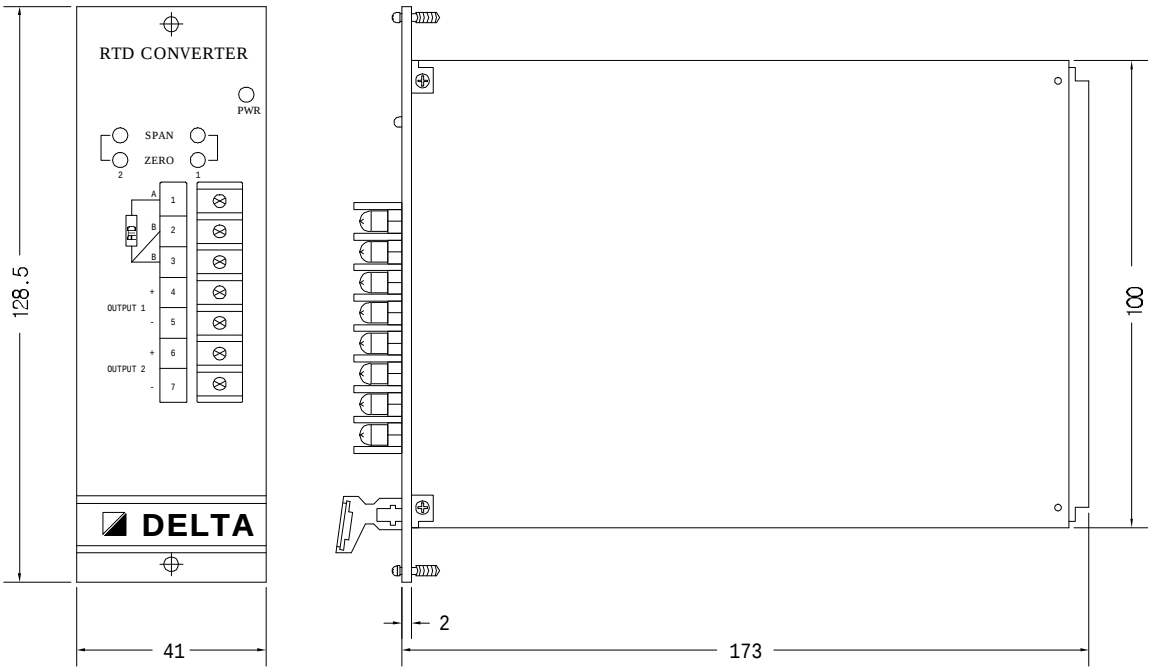
2ND OUTPUT SIGNAL
- *7 DC 4~20mA*
- *F DC 1~5V*
- *G Others*
- *N None*

POWER SUPPLY
- *1 AC110V*
- *2 AC220V*

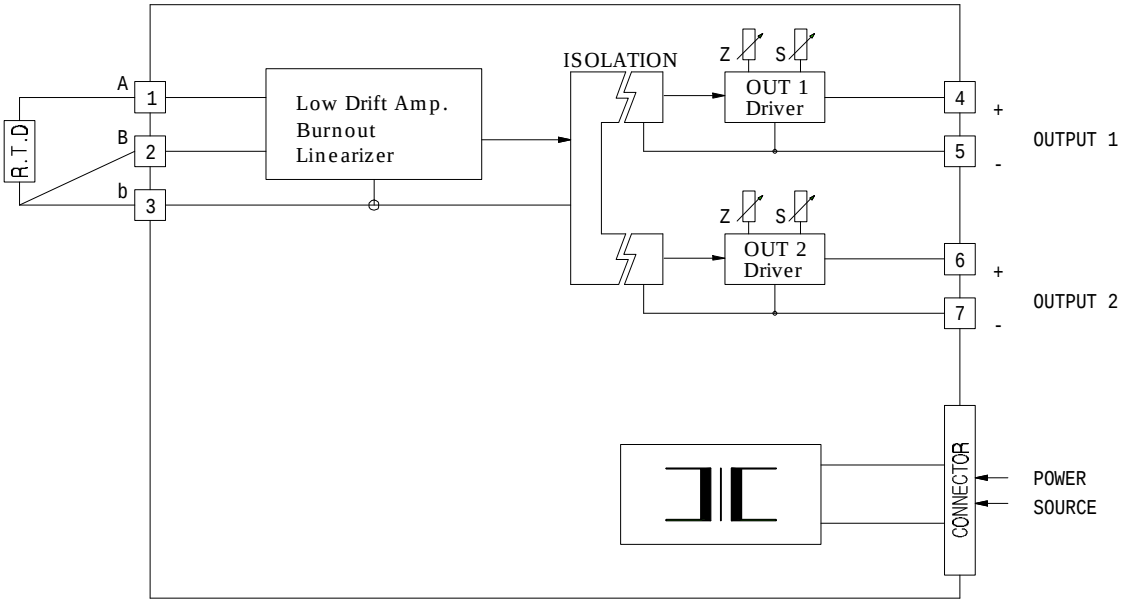
BURN OUT
- *U : Up scale*

* Please Specify the input range When you Order.

TERMINAL ASSIGNMENT & DIMENSION



SCHEMATIC CIRCUITRY & CONNECTION DIAGRAM



□ TERMINAL NO.

Specifications subject to change without notice.