Temperature Transmitter With Two Outputs

TW-2C

■Featuers

- DIN Rail Mount
- AC Power Supply 100 to 240V AC ±10%
  DC Power Supply 24V DC ±10%
- 2 Outputs
- Sensor Type: R,K,E,J,T,S,B,PT-100

■InputSpecification

Sensor	Code	Input temperature	Minimum Span
R	R	0 to 1700˚C	400˚C
K	K	–50 to 1200˚C	100˚C
E	E	–50 to 900˚C	100˚C
J	J	–50 to 1000˚C	100˚C
T	T	–50 to 350˚C	100˚C
S	S	0 to 1700˚C	500˚C
B	B	200 to 1700˚C	1000˚C
Pt 100	P	–150 to 800˚C	100˚C

Thermocouple Input Specification
Accuracy of Cold Junction Compensation ±1˚C (10 to 30˚C)
(For thermocouples other than B type thermocouple)

RTD Input Specification
Allowable leadwire resistance: Less than 10
Current following through RTD: 1mA

■Output Specification

[1st output]

Code	Output signal	Output Load resistance	Output at burnout
A	4 to 20mA DC	less than 550	Approx. 120% F.S
Y	Special		

Y specification

Code	Output signal	Output Load resistance	Output at burnout
Y	0 to 5VDC	more than 2K	Approx. 120% F.S
	1 to 5VDC		
	0 to 10VDC	more than 4K	

[2nd output]

Code	Output signal	Output Load resistance	Output at burnout
0	0 to 5V DC	more than 2K	Approx. 120% F.S
1	1 to 5V DC		
2	0 to 10V DC	more than 4K	
A	4 to 20mA DC	less than 550	

■General Specification

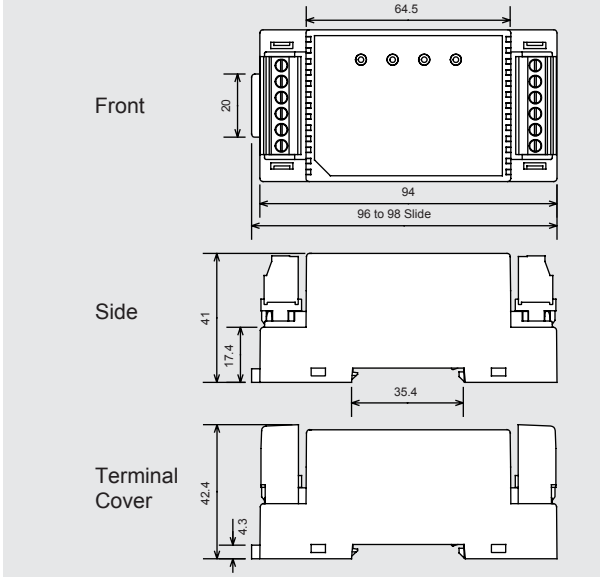
Accuracy:	±0.25% F.S
Temperature characteristic:	±200ppmF.S/˚C(TYP)
Response time:	less than 2 sec (0 to 90%)
Insulation resistance:	Between Input and output/power supply more than 100M (500V DC)
Dielectric strength:	Between Input and output/power supply 1500V AC per 1 min.
Power supply:	100 to 240V AC ±10% 24V DC ±10%
Power consumption:	Less than 110mA at DC Less than 50mA at AC
Operating temperature:	-5 to 50˚C less than 90%RH (No condensing)
Weight:	Approx. 160g
Accessory:	Instruction manual, terminal cover, 6P connector

■Ordering Code

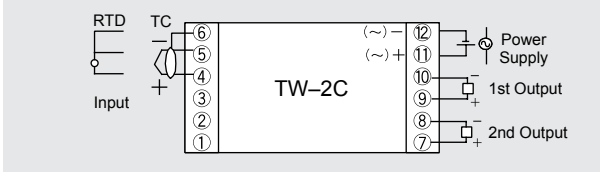
TW-2C-□□□-□

- Power supply: 1. 100 to 240 AC; 4. 24V DC
- 2nd output: 0. 0 to 5V DC; 1. 1 to 5V DC; 2. 0 to 10V DC; A. 4 to 20mA DC
- 1st output: A. 4 to 20mA DC; Y. special
- Input: R, K, E, J, T, S, B, P

■Dimensions



■Connection Diagram



■Block Diagram