



# THERMOCOUPLE ISOLATED TRANSMITTER

**S4-TT-T**  
SERIES



## FEATURES

- Accuracy:  $\pm 0.2\%$  RO.
- Wide input and output range selection
- Steady voltage, current and low ripple output
- Cold junction compensated
- Plug-in type

■ MODEL: S4 - TT - T - [ ] - [ ] - [ ] - [ ]

NO.	Input Type	NO.	Input Range	NO.	DC Output Range	Load R.	NO.	Power Supply
1	K (CA)	A I	- 50 ~ 100°C    0 ~ 1200°C	V2	0 ~ 5V	$\geq 500\Omega$	1	AC 110V
2	J (IC)	B J	- 150 ~ 150°C    0 ~ 1400°C	V3	1 ~ 5V	$\geq 500\Omega$	2	AC 220V
3	T (CC)	C K	0 ~ 100°C        0 ~ 1600°C	V4	0 ~ 10V	$\geq 500\Omega$	3	DC 110V
4	E (CRC)	D L	0 ~ 200°C        300 ~ 600°C	A2	0 ~ 10mA	0 ~ 1.5K $\Omega$	4	DC 48V
5	R (RR)	E M	0 ~ 400°C        400 ~ 800°C	A3	0 ~ 20mA	0 ~ 750 $\Omega$	5	DC 24V
6	S	F N	0 ~ 600°C        600 ~ 1200°C	A4	4 ~ 20mA	0 ~ 750 $\Omega$	0	Option
7	N	G O	0 ~ 800°C        700 ~ 1400°C	0	Option			
8	B	H P	0 ~ 1000°C       800 ~ 1600°C					

## SPECIFICATION

Accuracy .....  $\pm 0.2\%$  RO.  $\pm 0.5^\circ\text{C}$  (RJC)\*

Type	Temp. Range	Rated of Output	Erro
K	0 ~ 1200°C	1200	$\pm 1.2^\circ\text{C}$
J	0 ~ 600°C	600	$\pm 0.6^\circ\text{C}$
T	-150 ~ 400°C	550	$\pm 0.5^\circ\text{C}$
E	0 ~ 600°C	600	$\pm 0.6^\circ\text{C}$
R	0 ~ 1600°C	1600	$\pm 1.6^\circ\text{C}$
S	0 ~ 1400°C	1400	$\pm 1.4^\circ\text{C}$
N	0 ~ 1200°C	1200	$\pm 1.2^\circ\text{C}$
B	600 ~ 1600°C	1000	$\pm 1.0^\circ\text{C}$

\*Accuracy is subject to changes in measured temp.

Power supply ..... AC 110V  $\pm 15\%$ , 50/60Hz  
 AC 220V  $\pm 15\%$ , 50/60Hz  
 DC 110V, 48V, 24V  $\pm 10\%$

Response time .....  $\leq 600\text{msec.}$  (0-90%)

Output ripple .....  $\leq 0.5\%$  RO. (peak- peak)

Operating temp. .... 0 ~ 60°C

Storage temp. .... -10 ~ 70°C

Temp. coefficient .....  $\leq 150\text{PPM}/^\circ\text{C}$

Max. relative humidity ..... 95%

Input resistance .....  $\geq 20\text{M}\Omega$

Input break detection ..... Hi-set  $\geq 110\%$  of rated output

Max. input over .....  $\leq 250\text{VRMS}$  30 Sec.

Span adjustment .....  $\geq \pm 5\%$

Zero adjustment .....  $\geq \pm 2\%$

Insulation ..... Input/Output/Case

Insulation resistance .....  $\geq 100\text{M}\Omega$ , DC 500V

Dielectric strength ..... Input/Output/Power AC 1.8KV/min.

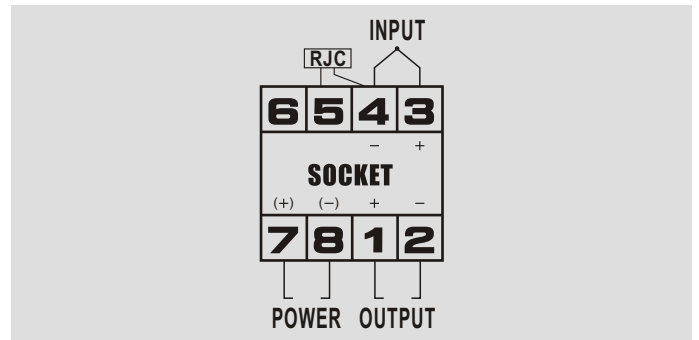
..... All Terminal/Case AC 1.8KV/min.

Impulse withstand test ..... 3KV, 1.2 X 50 $\mu\text{S}$

..... Common mode & differential mode

Power consumption .....  $\leq \text{AC } 5\text{VA}$ ,  $\leq \text{DC } 3\text{W}$

## CONNECTION DIAGRAM



## DIMENSIONS (UNIT : mm)

