

DC Calculus Setter Transmitter

FEATURES :

- 3 Digits Output Display-19.9~99.9%
- Output User Selectable
- Ultrathin Type, 27mm Width
- High Dielectric Strength (AC 2KV/Min , between Input / Output / Power)



MODEL : TAA — [] — [] — [] — []

INPUT		Setting Function		OUTPUT		AUX. POWER	
A	Plus	A	Hi-Lo Setting	A	DC 0~10mA	C	DC 24V
B	Minus	B	Hi-Hi Setting	B	DC 0~20mA	F	AC 85~265V
C	Multiplication	C	Lo-Lo Setting	C	DC 4~20mA		DC 100~300V
D	Division			D	DC 0~5V		
E	Radical Sign			E	DC 1~5V		
F	Proportion			F	DC 0~10V		
G	Low select	N	NONE	Y	OTHER	Y	OTHER
H	High select						

SPECIFICATIONS :

Accuracy : Input Accuracy $\pm 0.1\%FS$ 、 Output Accuracy $\pm 0.1\%RO$ 、 Display Accuracy $\pm 0.1\%FS \pm 1C$.

Display Range : 0.28 High Lightness, Red LED 3 Digits -19.9~99.9 Counts. Output display % (Output signal over 100%, display shines)

Input Impedance : Voltage Input $\geq 1M\Omega$ 、 Current Input $\leq 50\Omega$

Insulation Resistance : $\geq 100M\Omega / DC 500V$

Output Load : DC Current Mode : $< 750\Omega$ in Output 20mA 、 DC Voltage Mode : 10mA Maximum

Output Coordination : Digit Coordination

Dielectric Strength : AC 2KV / 1Min , between Input / Output / Power. DIN IEC 688.

Input Protection : $\geq DC 2V \leq 300Vrms$ Continuous ; $\leq DC 2V \leq 150Vrms$ Continuous ;
 $\leq DC 20mA \leq 150mA$ Continuous.

Calculus : Plus $Y=K1 * X1 + K2 * X2$ Minus $Y=K1 * X1 - K2 * X2$ Multiplication $Y=K1 * X1 \times K2 * X2$
 Division $Y=K1 * X1 / K2 * X2$ Proportion $Y=K1 * X1 + B$ Radical Sign $Y=\sqrt{X1}$
 Low Select $Y=(X1, X2)$ value lower High Select $Y=(X1, X2)$ value higher

Setting Function : Two Units Alarm Joining. Hi / Lo User Selectable. Output signal is setting value.

Setting Range : 0 ~ 99.9 Counts Adjustable

Nonmoving Zone : 0 ~ 99.9 Counts Adjustable

Time Delay : 0 ~ 999 sec Adjustable

Relay Contact : SPST AC 120V 5A , 250V 2.5A, DC 24V 3A PF=1

Stability : Year $\leq 0.2\%$

Response Time : $\leq 1sec$

Temperature Coefficient : $\leq 100ppm / ^\circ C$ From 0~60 $^\circ C$; $\leq 50ppm / 25^\circ C \pm 5^\circ C$

Operation Condition : -5 $^\circ C$ ~ +85 $^\circ C$ 20~95% RH Non-Condensed.

Storage Condition : -10 $^\circ C$ ~ +105 $^\circ C$ 20~95% RH Non-Condensed.

Power Fluctuation Rate : Power Could Support AC 85~265V or DC 24V $\pm 10\%$

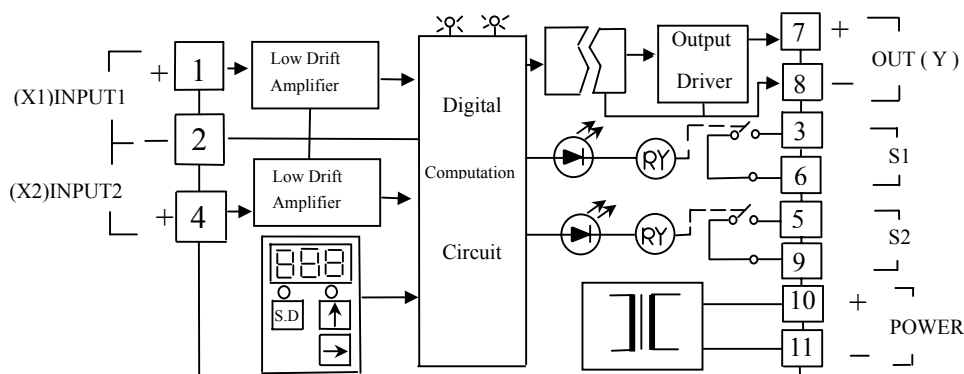
Aux. Power Effect : $\leq 0.03\% / V$

Housing Material : Non-Combustible PC Products , Compliance With UL 94 CLASS V-O

Mounting : DIN Rail or Wall Mounting

Dimension : 27 W \times 119 H \times 70 L mm (Base)

SCHEMATIC CIRCUITRY & CONNECTION DIAGRAM :



DC Alarm Setter Transmitter

□ FEATURES :

- 3 Digits Input display-19.9~99.9%
- Input / Output / Set User Selectable
- Ultrathin Type, 27mm Width
- High Dielectric Strength (AC 2KV/Min , between Input / Output / Power)



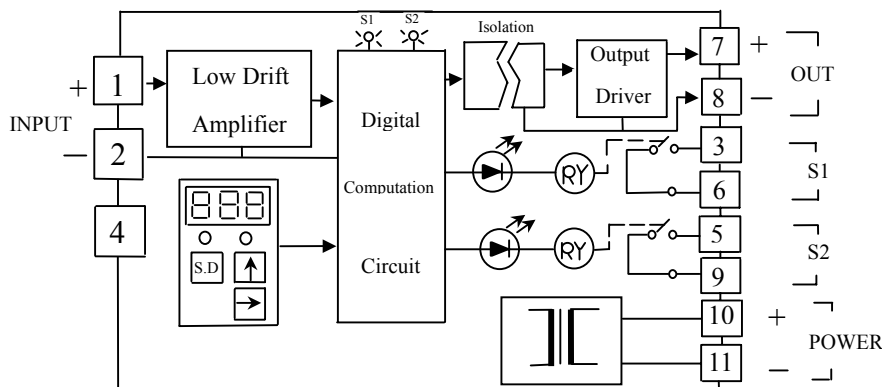
□ MODEL : TAD — □ — □ — □ — □

INPUT		Setting Function		OUTPUT		AUX. POWER	
A	DC 0~10mA	A	Hi-Lo Setting	A	DC 0~10mA	C	DC 24V
B	DC 0~20mA	B	Hi-Hi Setting	B	DC 0~20mA	F	AC 85~265V
C	DC 4~20mA	C	Lo-Lo Setting	C	DC 4~20mA		DC 100~300V
D	DC 0~5V			D	DC 0~5V		
E	DC 1~5V			E	DC 1~5V		
F	DC0~10V			F	DC 0~10V		
Y	OTHER	N	NONE	Y	OTHER	Y	OTHER

□ SPECIFICATIONS :

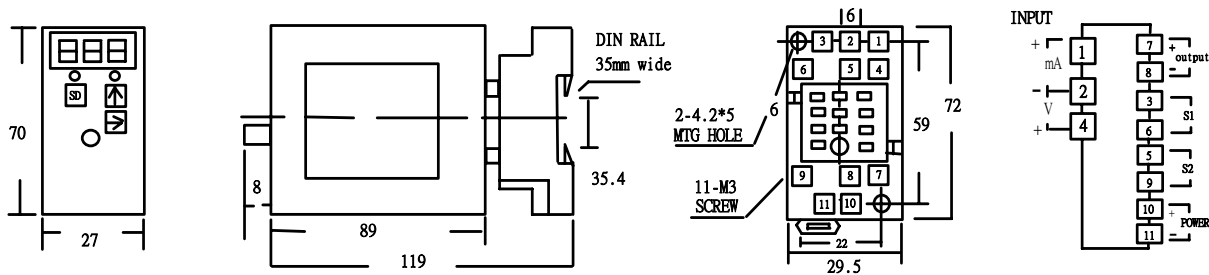
- Accuracy** : Input Accuracy $\pm 0.1\%$ FS 、 Output Accuracy $\pm 0.1\%$ RO 、 Display Accuracy $\pm 0.1\%$ FS $\pm 1C$.
- Display Range** : 0.28 High Lightness, Red LED 3 Digits -19.9~99.9 Counts. (Input over100%, display shines)
- Input Impedance** : Voltage Input $\geq 1M \Omega$ 、 Current Input $\leq 50\Omega$
- Insulation Resistance** : $\geq 100M \Omega$ / DC 500V
- Output Load** : DC Current Mode : $< 750\Omega$ in Output 20mA , DC Voltage Mode : 10mA Maximum
- Output Coordination** : Digit Coordination
- Dielectric Strength** : AC 2KV / 1Min , between Input / Output / Power. DIN IEC 688.
- Input Protection** : $\geq DC 2V \leq 300V_{rms}$ Continuous ; $\leq DC 2V \leq 150V_{rms}$ Continuous ;
 $\leq DC 20mA \leq 150mA$ Continuous.
- Linearity & Repeatability** : $\leq 0.1\%$ Typical.
- Setting Function** : Two Units Alarm Joining. Hi / Lo User Selectable
- Setting Range** : 0 ~ 99.9 Counts Adjustable
- Nonmoving Zone** : 0 ~ 99.9 Counts Adjustable
- Time Delay** : 0 ~ 999 sec Adjustable
- Relay Contact** : SPST AC 120V 5A ,250V 2.5A,DC 24V 3A PF=1
- Stability** : Year $\leq 0.2\%$
- Response Time** : $\leq 1sec$
- Ripple** : $\leq 0.1\%$ rms RO
- Temperature Coefficient** : $\leq 100ppm / ^\circ C$ From 0~60 $^\circ C$; $\leq 50ppm / 25^\circ C \pm 5^\circ C$
- Operation Condition** : -5 $^\circ C$ ~+85 $^\circ C$ 20~95% RH Non-Condensed.
- Storage Condition** : -10 $^\circ C$ ~+105 $^\circ C$ 20~95% RH Non-Condensed.
- Power Fluctuation Rate** : Power Could Support AC 85~265V or DC 24V $\pm 10\%$
- Aux. Power Effect** : $\leq 0.03\%$ / V
- Housing Material** : Non-Combustible PC Products , Compliance With UL 94 CLASS V-O
- Mounting** : DIN Rail or Wall Mounting
- Dimension** : 27 W \times 119 H \times 70 L mm (Base)

□ SCHEMATIC CIRCUITRY & CONNECTION DIAGRAM :



DC Alarm Setter Transmitter

EXTERNAL DIMENSIONS : mm (inch)



TERMINAL CONNECTIONS :

Connect the unit as in the above diagram or refer to the connection diagram label on the side of the unit.

SETTING VALUE ADJUSTMENT :

Key Description :

S.D : SELECT ↑ : UP (change enumeration) → : RIGHT (move digit)

Function Key :

- 5 1 : S 1 setting value 0~99.9 5 2 : S 1 nonmoving zone 0~99.9 5 3 : S 1 moving time delay 0~999 sec.
- 5 4 : S 2 setting value 0~99.9 5 5 : S 2 nonmoving zone 0~99.9 5 6 : S 2 moving time delay 0~999 sec.
- 5 7 : S 1 ; S 2 setting type.(1=Hi. 0=Lo) Hi-Hi. Hi-Lo. Lo-Hi. Lo-Lo user selectable.
- 5 8 : Start Delay Time 0~999, input starts from zero, no alarming movement within the time.
- 5 9 : 72 SPAN digit adjustment (long press adjust rough 、 short time adjust detail)
- 5 9 : 73 ZERO digit adjustment (long press adjust rough 、 short time adjust detail)
- 5 9 : 80 input signal select.
- 5 9 : 99 Save.

Output SPAN 、 ZERO adjustment. Read output signal from terminal 7 and 8.

Press "SD",enter 59, adjust display to "72" condition , operate " ↑ → " , adjust SPAN digit (long / short press adjust rough / detail)

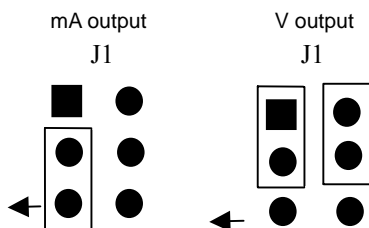
Press"SD",enter 59, adjust display to "73" condition , operate " ↑ → " , adjust ZERO digit (long / short press adjust rough / detail)

INPUT SIGNAL SETTING :

- I-0= 0~20mA I-1= 4~20mA I-2= 0~10mA
- U-0= 0~5V U-1= 1~5V U-2= 0~10V

ANALOGY OUTPUT VOLTAGE CURRENT EXCHANGE :

Disassemble box. Install and skip one pin as follows:



CHECKING :

- Terminal wiring : Check that all cables are correctly connected according to the connection diagram.
- Power input voltage : Check voltage of the terminal 10 、 11.
- Input : Check that the input signal is within 0-100%.
- Output : Check analogy output and alarming function movement meets the described specifications.

SETTING PROCEDURE :

- This unit is calibrated at the factory to meet the ordered specifications; therefore you usually do not need any calibration.
- 30 sec. nonmoving key returns to normal display value.
- For matching the signal to a receiving instrument, adjust the setting as explained.

Potentiometer Alarm Setter Transmitter

□ FEATURES :

- 3 Digits Input Display-19.9~99.9%
- Output / Set User Selectable
- Ultrathin Type, 27mm Width
- High Dielectric Strength (AC 2KV/Min , between Input / Output / Power)



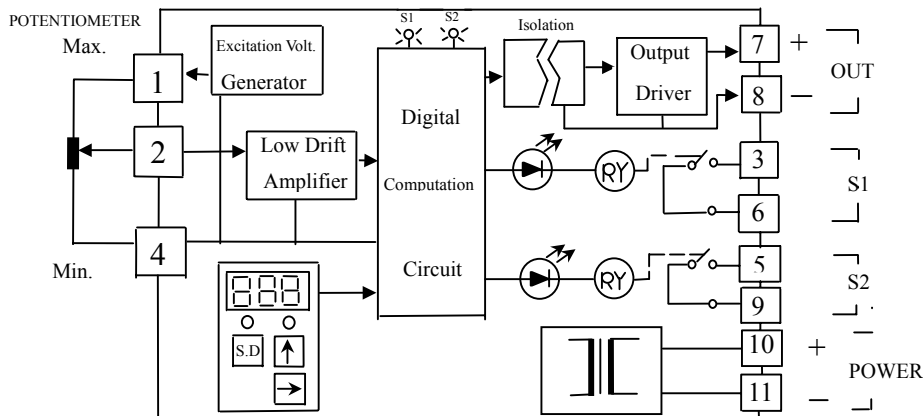
□ MODEL : TAP — □ — □ — □ — □

INPUT		Setting Function		OUTPUT		AUX. POWER	
A	200Ω~10KΩ	A	Hi-Lo Setting	A	DC 0~10mA	C	DC 24V
		B	Hi-Hi Setting	B	DC 0~20mA	F	AC 85~265V
		C	Lo-Lo Setting	C	DC 4~20mA		DC 100~300V
				D	DC 0~5V		
				E	DC 1~5V		
				F	DC 0~10V		
		N	NONE	Y	OTHER	Y	OTHER

□ SPECIFICATIONS :

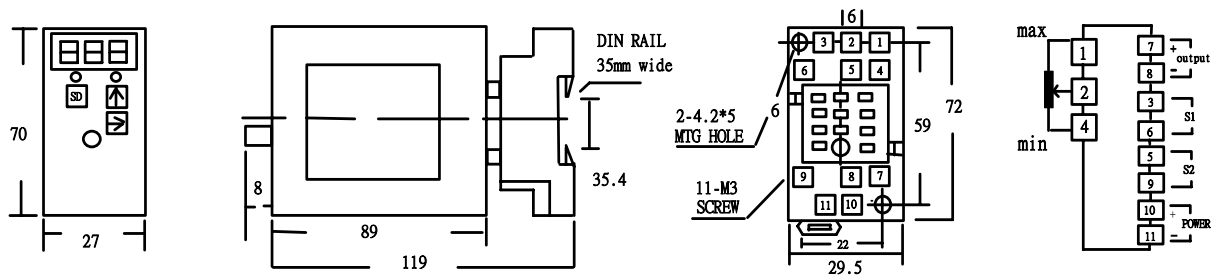
- Accuracy** : Input Accuracy $\pm 0.1\%FS$ 、 Output Accuracy $\pm 0.1\%RO$ 、 Display Accuracy $\pm 0.1\%FS \pm 1C$.
Display Range : 0.28 High Lightness, Red LED 3 Digits -19.9~99.9 Counts. (Input over100%, display shines)
Insulation Resistance : $\geq 100M\Omega / DC 500V$
Output Load : DC Current Mode : $< 750\Omega$ in Output 20mA , DC Voltage Mode : 10mA Maximum
Output Coordination : Digit Coordination
Dielectric Strength : AC 2KV / 1Min , between Input / Output / Power. DIN IEC 688.
Linearity & Repeatability : $\leq 0.1\%$ Typical.
Setting Function : Two Units Alarm Joining. Hi / Lo User Selectable
Setting Range : 0 ~ 99.9 Counts Adjustable
Nonmoving Zone : 0 ~ 99.9 Counts Adjustable
Time Delay : 0 ~ 999 sec Adjustable
Relay Contact : SPST AC 120V 5A ,250V 2.5A,DC 24V 3A PF=1
Stability : Year $\leq 0.2\%$
Response Time : $\leq 1sec$
Ripple : $\leq 0.1\%rms RO$
Temperature Coefficient : $\leq 100ppm / ^\circ C$ From 0~60 $^\circ C$; $\leq 50ppm / 25^\circ C \pm 5^\circ C$
Operation Condition : -5 $^\circ C$ ~+85 $^\circ C$ 20~95% RH Non-Condensed.
Storage Condition : -10 $^\circ C$ ~+105 $^\circ C$ 20~95% RH Non-Condensed.
Power Fluctuation Rate : Power Could Support AC 85~265V or DC 24V $\pm 10\%$
Aux. Power Effect : $\leq 0.03\% / V$
Housing Material : Non-Combustible PC Products , Compliance With UL 94 CLASS V-O
Mounting : DIN Rail or Wall Mounting
Dimension : 27 W \times 119 H \times 70 L mm (Base)

□ SCHEMATIC CIRCUITRY & CONNECTION DIAGRAM :



Potentiometer Alarm Setter Transmitter

EXTERNAL DIMENSIONS : mm (inch)



TERMINAL CONNECTIONS :

Connect the unit as in the above diagram or refer to the connection diagram label on the side of the unit.

SETTING VALUE ADJUSTMENT :

Key Description :

S.D : SELECT ↑ : UP (change enumeration) → : RIGHT (move digit)

Function Key :

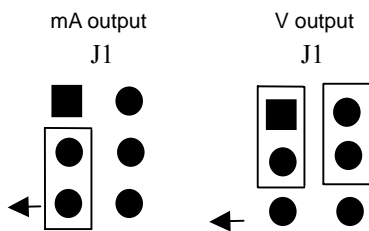
- 5 1 : S 1 setting value 0~99.9 5 2 : S 1 nonmoving zone 0~99.9 5 3 : S 1 moving time delay 0~999 sec.
- 5 4 : S 2 setting value 0~99.9 5 5 : S 2 nonmoving zone 0~99.9 5 6 : S 2 moving time delay 0~999 sec.
- 5 7 : S 1 ; S 2 setting type.(1=Hi. 0=Lo) Hi-Hi. Hi-Lo. Lo-Hi. Lo-Lo user selectable.
- 5 8 : Start Delay Time 0~999, input starts from zero, no alarming movement within the time.
- 5 9 : 72 SPAN digit adjustment (long press adjust rough 、 short press adjust detail)
- 5 9 : 73 ZERO digit adjustment (long press adjust rough 、 short press adjust detail)
- 5 9 : 80 input signal select.
- 5 9 : 99 Save.

Output SPAN 、 ZERO adjustment.

Press "SD", enter 59, adjust display to "72" condition , operate " ↑ → " , adjust SPAN digit (long / short press adjust rough / detail)
 Press "SD", enter 59, adjust display to "73" condition , operate " ↑ → " , adjust ZERO digit (long / short press adjust rough / detail)
 Read output signal from terminal 7 and 8.

ANALOGY OUTPUT VOLTAGE CURRENT EXCHANGE :

Disassemble box. Install and skip one pin as follows:



CHECKING :

- Terminal wiring : Check that all cables are correctly connected according to the connection diagram.
- Power input voltage : Check voltage of the terminal 10 、 11.
- Input : Check that the input signal is within 0-100%.
- Output : Check analogy output and alarming function movement meets the described specifications.

SETTING PROCEDURE :

- This unit is calibrated at the factory to meet the ordered specifications; therefore you usually do not need any calibration.
- 30 sec. nonmoving key returns to normal display value.
- For matching the signal to a receiving instrument, adjust the setting as explained.

Current Loop Supply Alarm Setter Transmitter

FEATURES :

- 3 Digits Input Display -19.9~99.9%
- Input / Output / Set User Selectable
- Ultrathin Type, 27mm Width
- High Dielectric Strength (AC 2KV/Min , between Input / Output / Power)



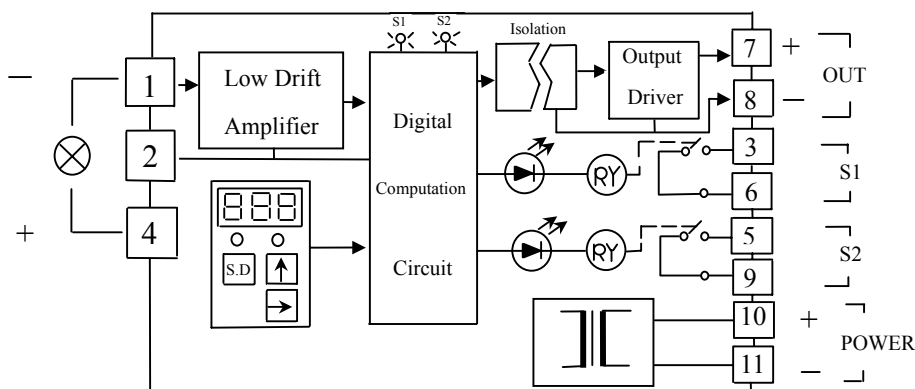
MODEL : TAS — — — —

INPUT		Setting Function		OUTPUT		AUX. POWER	
A	DC 4~20mA 2Wire EXT DC 22~28V	A	Hi-Lo Setting	A	DC 0~10mA	C	DC 24V
		B	Hi-Hi Setting	B	DC 0~20mA	F	AC 85~265V DC 100~300V
		C	Lo-Lo Setting	C	DC 4~20mA		
		N	NONE	D	DC 0~5V		
				E	DC 1~5V		
				F	DC 0~10V		
				Y	OTHER	Y	OTHER

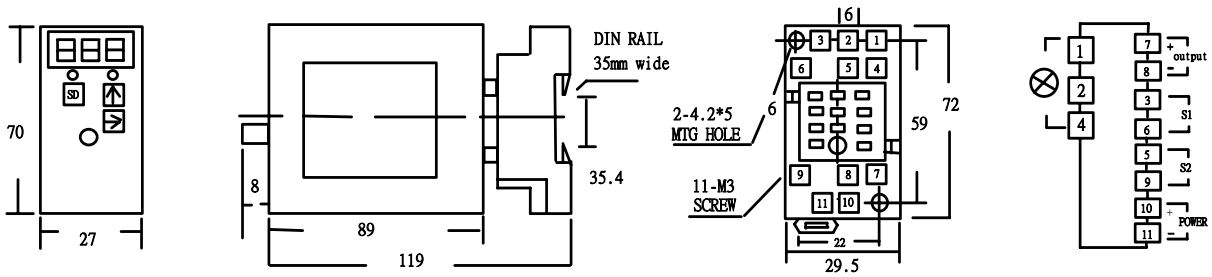
SPECIFICATIONS :

- Accuracy** : Input Accuracy $\pm 0.1\%FS$ 、Output Accuracy $\pm 0.1\%RO$ 、Display Accuracy $\pm 0.1\%FS \pm 1C$.
Display Range : 0.28 High Lightness, Red LED 3 Digits -19.9~99.9 Counts.(Input over100%, display shines)
Input Impedance : Voltage Input $\geq 1M\Omega$ 、Current Input $\leq 50\Omega$
Insulation Resistance : $\geq 100M\Omega / DC 500V$
Power Supply : DC 22~28V(without load) , max DC 40mA
Output Load : DC Current Mode : $< 750\Omega$ in Output 20mA , DC Voltage Mode : 10mA Maximum
Output Coordination : Digit Coordination
Dielectric Strength : AC 2KV / 1Min , between Input / Output / Power. DIN IEC 688.
Setting Function : Two Units Alarm Joining. Hi / Lo User Selectable
Setting Range : 0 ~ 99.9 Counts Adjustable
Nonmoving Zone : 0 ~ 99.9 Counts Adjustable
Time Delay : 0 ~ 999 sec Adjustable
Relay Contact : SPST AC 120V 5A ,250V 2.5A,DC 24V 3A PF=1
Stability : Year $\leq 0.2\%$
Response Time : $\leq 1sec$
Temperature Coefficient : $\leq 100ppm / ^\circ C$ From 0~60 $^\circ C$
Operation Condition : -5 $^\circ C$ ~ +85 $^\circ C$ 20~95% RH Non-Condensed.
Storage Condition : -10 $^\circ C$ ~ +105 $^\circ C$ 20~95% RH Non-Condensed.
Power Fluctuation Rate : Power Could Support AC 85~265V or DC 24V $\pm 10\%$
Aux. Power Effect : $\leq 0.03\% / V$
Housing Material : Non-Combustible PC Products , Compliance With UL 94 CLASS V-0
Mounting : DIN Rail or Wall Mounting
Dimension : 27 W \times 119 H \times 70 L mm (Base)

SCHEMATIC CIRCUITRY & CONNECTION DIAGRAM :



EXTERNAL DIMENSIONS : mm (inch)



TERMINAL CONNECTIONS :

Connect the unit as in the above diagram or refer to the connection diagram label on the side of the unit.

SETTING VALUE ADJUSTMENT :

■ Key Description :

S.D : SELECT ↑ : UP (change enumeration) → : RIGHT (move digit)

■ Function Key :

- 5 1 : S 1 setting value 0~99.9 5 2 : S 1 nonmoving zone 0~99.9 5 3 : S 1 moving time delay 0~999 sec.
- 5 4 : S 2 setting value 0~99.9 5 5 : S 2 nonmoving zone 0~99.9 5 6 : S 2 moving time delay 0~999 sec.
- 5 7 : S 1 ; S 2 setting type.(1=Hi. 0=Lo) Hi-Hi. Hi-Lo. Lo-Hi. Lo-Lo user selectable.
- 5 8 : Start Delay Time 0~999, inputs start from zero, no alarming movement within the time.
- 5 9 : 72 SPAN digit adjustment (long press adjust rough 、 short press adjust detail)
- 5 9 : 73 ZERO digit adjustment (long press adjust rough 、 short press adjust detail)
- 5 9 : 99 Save.

■ Adjust output value SPAN 、 ZERO.

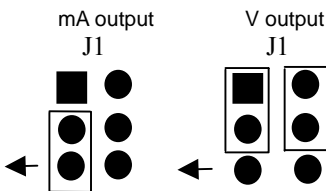
Press "SD", enter 59, adjust display to "72" condition, operate " ↑ → ", adjust SPAN digit. (long / short press adjust rough / detail)

Press "SD", enter 59, adjust display to "73" condition, operate " ↑ → ", adjust ZERO digit. (long / short press adjust rough / detail)

Read output signals from terminal 7 and 8.

ANALOGY OUTPUT VOLTAGE CURRENT EXCHANGE :

Disassemble box. Install and skip one pin as follows:



CHECKING :

- Terminal wiring : Check that all cables are correctly connected according to the connection diagram.
- Power input voltage : Check voltage of the terminal 10 、 11.
- Input : Check that the input signal is within 0-100%.
- Output : Check alarming function movement meets the described specifications.

SETTING PROCEDURE :

- This unit is calibrated at the factory to meet the ordered specifications; therefore you usually do not need any calibration.
- 30 sec. nonmoving key returns to normal display value.
- For matching the signal to a receiving instrument, adjust the setting as explained.

Thermocouple Alarm Setter Transmitter

FEATURES :

- 3 Digits Input Display 0~999°C
- Input / Output / Set User Selectable
- Ultrathin Type, 27mm Width
- High Dielectric Strength (AC 2KV/Min , between Input / Output / Power)



MODEL : TAT

INPUT		Setting Function		OUTPUT		AUX. POWER	
K	K Type..-270~1370°C/-520~2500°F	A	Hi-Lo Setting	A	DC 0~10mA	C	DC 24V
E	E Type..-270~800°C/-520~1500°F	B	Hi-Hi Setting	B	DC 0~20mA	F	AC 85~265V
J	J Type..-210~700°C/-410~1300°F	C	Lo-Lo Setting	C	DC 4~20mA		DC 100~300V
T	T Type..-210~400°C/-410~760°F			D	DC 0~5v		
R	R Type..0~1700°C/32~3100°F			E	DC 1~5V		
S	S Type..0~1700°C/32~3100°F			F	DC 0~10V		
B	B Type..0~1750°C/32~3200°F	N	NONE	Y	OTHER	Y	OTHER

SPECIFICATIONS :

Accuracy : Input Accuracy $\pm 0.2\%$ FS 、 Output Accuracy $\pm 0.1\%$ RO 、 Display Accuracy $\pm 0.2\%$ FS $\pm 2C$.

Display Range : 0.28 High Lightness, Red LED 3 Digits 0~999 Counts. (Input over 1000, display shines)

Insulation Resistance : $\geq 100M\Omega$ / DC 500V

Output Load : DC Current Mode : $< 750\Omega$ in Output 20mA , DC Voltage Mode : 10mA Maximum

Output Coordination : Digit Coordination

Dielectric Strength : AC 2KV / 1Min , between Input / Output / Power. DIN IEC 688.

Input Protection : $\geq DC 2V \leq 300V_{rms}$ Continuous ; $\leq DC 2V \leq 150V_{rms}$ Continuous ;
 $\leq DC 20mA \leq 150mA$ Continuous.

Linearity & Repeatability : $\leq 0.1\%$ Typical.

Setting Function : Two Units Alarm Joining, Hi / Lo User Selectable

Setting Range : 0 ~ 999 Counts Adjustable

Nonmoving Zone : 0 ~ 999 Counts Adjustable

Time Delay : 0 ~ 999 sec Adjustable

Relay Contact : SPST AC 120V 5A ,250V 2.5A,DC 24V 3A PF=1

Stability : Year $\leq 0.2\%$

Response Time : $\leq 1sec$

Ripple : $\leq 0.1\%$ rms RO

Temperature Coefficient : $\leq 100ppm / ^\circ C$ From 0~60°C

Operation Condition : -5°C ~ +85°C 20~95% RH Non-Condensed.

Storage Condition : -10°C ~ +105°C 20~95% RH Non-Condensed.

Power Fluctuation Rate : Power Could Support AC 85~265V or DC 24V $\pm 10\%$

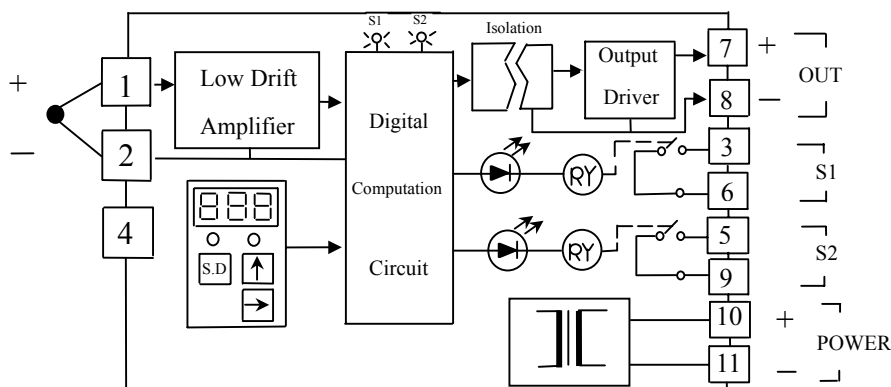
Aux. Power Effect : $\leq 0.03\%$ / V

Housing Material : Non-Combustible PC Products , Compliance With UL 94 CLASS V-O

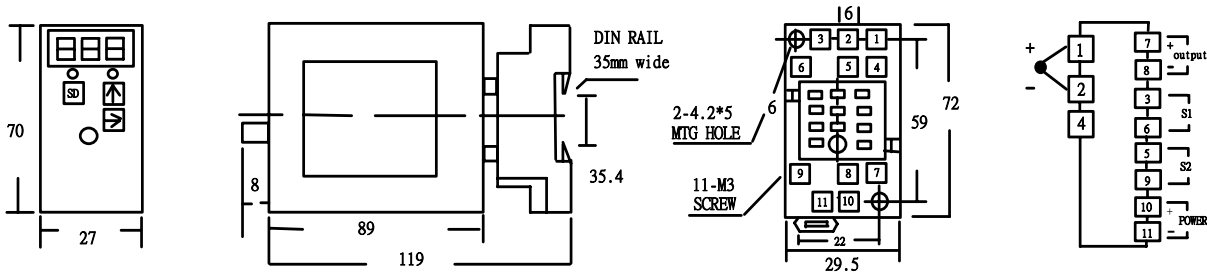
Mounting : DIN Rail or Wall Mounting

Dimension : 27 W \times 119 H \times 70 L mm (Base)

SCHEMATIC CIRCUITRY & CONNECTION DIAGRAM :



□ EXTERNAL DIMENSIONS : mm (inch)



□ SETTING VALUE ADJUSTMENT :

■ Key Description :

S.D : SELECT ↑ : UP (change enumeration) → : RIGHT (move digit)

■ Function Key :

- 5 1 : S 1 setting value 0~999 5 2 : S 1 nonmoving zone 0~999 5 3 : S 1 moving time delay 0~999 sec.
- 5 4 : S 2 setting value 0~999 5 5 : S 2 nonmoving zone 0~999 5 6 : S 2 moving time delay 0~999 sec.
- 5 7 : S 1 ; S 2 setting type.(1=Hi. 0=Lo) Hi-Hi. Hi-Lo. Lo-Hi. Lo-Lo user selectable.
- 5 8 : Start Delay Time 0~999, input starts from zero, no alarming movement within the time.
- 5 9 : 71 DA-Percent setting value 0~999, high terminal connection answer to RTD temperature.
- 5 9 : 72 SPAN digit adjustment (long press adjust rough 、 short press adjust detail)
- 5 9 : 73 ZERO digit adjustment (long press adjust rough 、 short press adjust detail)
- 5 9 : 99 Save.

■ Adjust output value SPAN 、 ZERO.

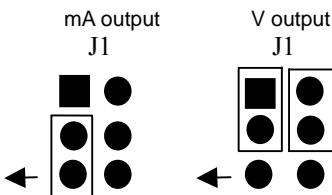
Press "SD", enter 59, adjust display to "72" condition, operate " ↑ →", adjust SPAN output value. (long / short press adjust rough / detail)
 Press "SD", enter 59, adjust display to "73" condition, operate " ↑ →", adjust ZERO output value.(long / short press adjust rough / detail)
 Read output signals from terminal 7 and 8.

□ INPUT SIGNAL SETTING :

- t-0= J t-1= K t-2= E t-3= T t-4= R t-5= S t-6= B

□ ANALOGY OUTPUT VOLTAGE CURRENT EXCHANGE :

Disassemble box. Install and skip one pin as follows:



□ CHECKING :

- Terminal wiring : Check that all cables are correctly connected according to the connection diagram.
- Power input voltage : Check voltage of the terminal 10 、 11.
- Input : Check that the input signal is within 0-100%.
- Output : Check analogy output and alarming function movement meets the described specifications.

□ SETTING PROCEDURE :

- This unit is calibrated at the factory to meet the ordered specifications; therefore you usually do not need any calibration.
- 30 sec. nonmoving key returns to normal display value.
- 3 digits display 0~999.
- For matching the signal to a receiving instrument, adjust the setting as explained.

DC Calculus Setter

FEATURES :

- Calculus Value 3 Digits Display-19.9~99.9%
- SPDT Dual Output
- Ultrathin Type, 27mm Width
- High Dielectric Strength (AC 2KV/Min , between Input / Output / Power)



MODEL : TBA — [] — [] — []

INPUT		Setting Function		AUX. POWER	
A	Plus	A	Hi-Lo Setting	C	DC 24V
B	Minus	B	Hi-Hi Setting	F	AC 85~265V
C	Multiplication	C	Lo-Lo Setting		DC 100~300V
D	Division				
E	Radical Sign				
F	Proportion				
G	Low select			Y	OTHER
H	High select				

SPECIFICATIONS :

Accuracy : Display Accuracy $\pm 0.1\%FS \pm 1C$. Moving Point Accuracy $\pm 0.1\%FS \pm 1C$.

Display Range : 0.28 High Lightness, Red LED 3 Digits -19.9~99.9 Counts. Display Calculus Value %
(Calculus Value over100%, display shines)

Input Impedance : Voltage Input $\geq 1M \Omega$, Current Input $\leq 50\Omega$

Insulation Resistance : $\geq 100M \Omega / DC 500V$

Dielectric Strength : AC 2KV / 1Min , between Input / Output / Power. DIN IEC 688.

Input Protection : $\geq DC 2V \leq 300Vrms$ Continuous ; $\leq DC 2V \leq 150Vrms$ Continuous ;
 $\leq DC 20mA \leq 150mA$ Continuous.

Calculus : Plus $Y=K1 * X1 + K2 * X2$ Minus $Y=K1 * X1 - K2 * X2$ Multiplication $Y=K1 * X1 \times K2 * X2$
Division $Y=K1 * X1 / K2 * X2$ Proportion $Y=K1 * X1 + B$ Radical Sign $Y=\sqrt{X1}$
Low Select $Y=(X1, X2)$ value lower High Select $Y=(X1, X2)$ value higher

Setting Function : Two Units Alarm Joining. Hi / Lo User Selectable. Output signal is setting value.

Setting Range : 0 ~ 99.9 Counts Adjustable

Nonmoving Zone : 0 ~ 99.9 Counts Adjustable

Time Delay : 0 ~ 999 sec Adjustable

Relay Contact : SPDT AC 120V 5A ,250V 2.5A,DC 24V 3A PF=1

Response Time : $\leq 1sec$

Temperature Coefficient : $\leq 100ppm / ^\circ C$ From 0~60 $^\circ C$; $\leq 50ppm / 25^\circ C \pm 5^\circ C$

Operation Condition : -5 $^\circ C$ ~ +85 $^\circ C$ 20~95% RH Non-Condensed.

Storage Condition : -10 $^\circ C$ ~ +105 $^\circ C$ 20~95% RH Non-Condensed.

Power Fluctuation Rate : Power Could Support AC 85~265V or DC 24V $\pm 10\%$

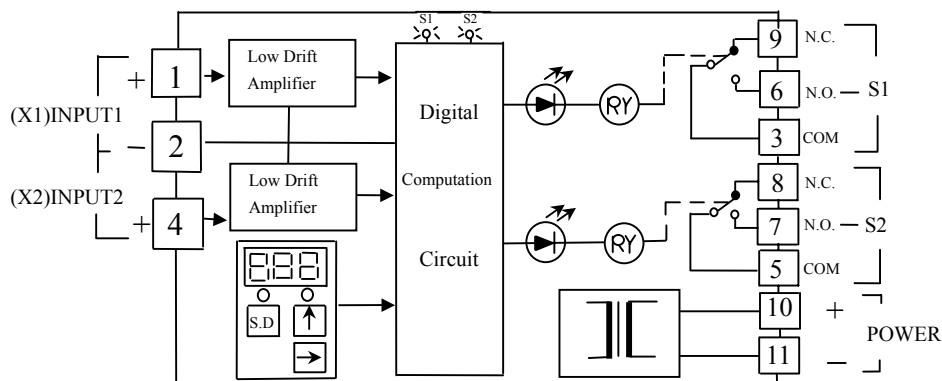
Aux. Power Effect : $\leq 0.03\% / V$

Housing Material : Non-Combustible PC Products , Compliance With UL 94 CLASS V-O

Mounting : DIN Rail or Wall Mounting

Dimension : 27 W \times 119 H \times 70 L mm (Base)

SCHEMATIC CIRCUITRY & CONNECTION DIAGRAM :



DC Alarm Setter

FEATURES :

- 3 Digits Input Display-19.9~99.9%
- Input / Set User Selectable, SPDT Two Units Output
- Ultrathin Type, 27mm Width
- High Dielectric Strength (AC 2KV/Min , between Input / Output / Power)



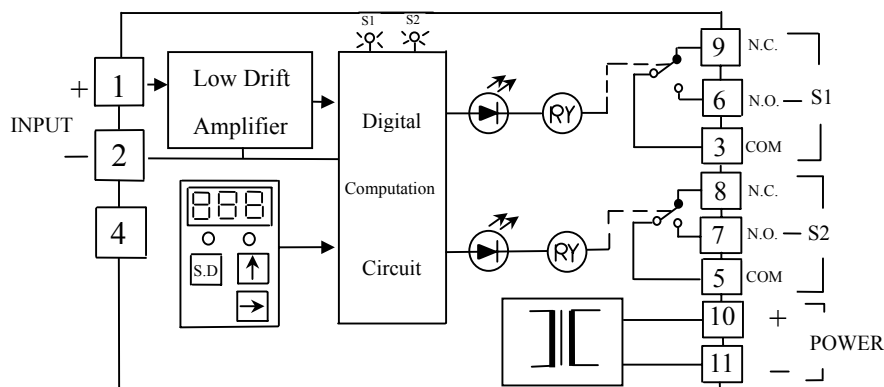
MODEL : TBD — [] — [] — []

INPUT		Setting Function		AUX. POWER	
A	DC 0~10mA	A	Hi-Lo Setting	C	DC 24V
B	DC 0~20mA	B	Hi-Hi Setting	F	AC 85~265V
C	DC 4~20mA	C	Lo-Lo Setting		DC 100~300V
D	DC 0~5V				
E	DC 1~5V				
F	DC0~10V				
Y	OTHER			Y	OTHER

SPECIFICATIONS :

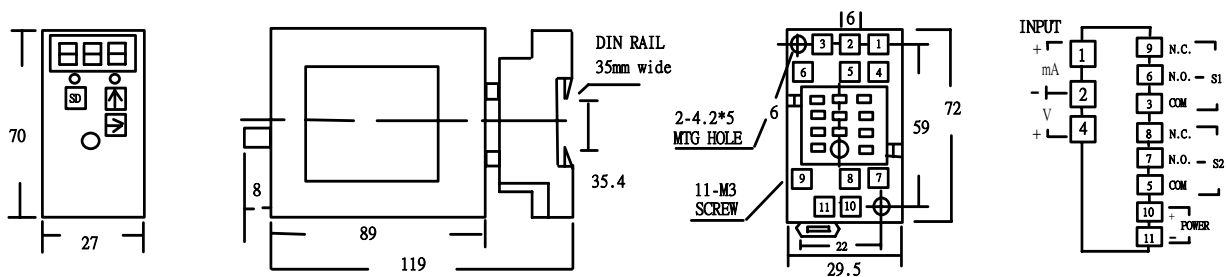
- Accuracy** : Display Accuracy $\pm 0.1\%FS \pm 1C$. Alarm movement Accuracy $\pm 0.1\%FS \pm 1C$.
- Display Range** : 0.28 High Lightness, Red LED 3 Digits -19.9~99.9 Counts. (Input over100%, display shines)
- Input Impedance** : Voltage Input $\geq 1M \Omega$, Current Input $\leq 50\Omega$
- Insulation Resistance** : $\geq 100M \Omega / DC 500V$
- Dielectric Strength** : AC 2KV / 1Min , between Input / Output / Power. DIN IEC 688.
- Input Protection** : $\geq DC 2V \leq 300Vrms$ Continuous ; $\leq DC 2V \leq 150Vrms$ Continuous ;
 $\leq DC 20mA \leq 150mA$ Continuous.
- Setting Function** : Two Units Alarm Joining. Hi / Lo User Selectable
- Setting Range** : 0 ~ 99.9 Counts Adjustable
- Nonmoving Zone** : 0 ~ 99.9 Counts Adjustable
- Time Delay** : 0 ~ 999 sec Adjustable
- Relay Contact** : SPDT AC 120V 5A ,250V 2.5A,DC 24V 3A PF=1
- Stability** : Year $\leq 0.2\%$
- Response Time** : $\leq 1sec$
- Temperature Coefficient** : $\leq 100ppm / ^\circ C$ From 0~60°C
- Operation Condition** : -5°C ~ +85°C 20~95% RH Non-Condensed.
- Storage Condition** : -10°C ~ +70°C 20~95% RH Non-Condensed.
- Power Fluctuation Rate** : Power Could Support AC 85~265V or DC 24V $\pm 10\%$
- Aux. Power Effect** : $\leq 0.03\% / V$
- Housing Material** : Non-Combustible PC Products , Compliance With UL 94 CLASS V-0
- Mounting** : DIN Rail or Wall Mounting
- Dimension** : 27 W \times 119 H \times 70 L mm (Base)

SCHEMATIC CIRCUITRY & CONNECTION DIAGRAM :



DC Alarm Setter

EXTERNAL DIMENSIONS : mm (inch)



TERMINAL CONNECTIONS :

Connect the unit as in the above diagram or refer to the connection diagram label on the side of the unit.

SETTING VALUE ADJUSTMENT :

Key Description :

S.D : SELECT ↑ : UP (change enumeration) → : RIGHT (move digit)

Function Key :

- 5 1 : S 1 setting value 0~99.9 5 2 : S 1 nonmoving zone 0~99.9 5 3 : S 1 moving time delay 0~999 sec.
- 5 4 : S 2 setting value 0~99.9 5 5 : S 2 nonmoving zone 0~99.9 5 6 : S 2 moving time delay 0~999 sec.
- 5 7 : S 1 ; S 2 setting type.(1=Hi. 0=Lo) Hi-Hi. Hi-Lo. Lo-Hi. Lo-Lo user selectable
- 5 8 : Start Delay Time 0~999 , input starts from zero , no alarming movement within the time.
- 5 9 : 99 Save.

Example : I/P:DC 4~20mA, indicate 0~99.9%

O/P: Hi – Lo setting; Hi setting 80.0%, moving time delay 5 sec., nonmoving zone 10C.
Lo setting 50.0%, moving time delay 3 sec., nonmoving zone 7C.

Setting Operation :

- Press "SD" first, enter operation condition , display shows "51" shine.
- Press "SD", enter 51 S1 setting value, press "SD" again, operate " ↑ →", adjust display numbers to 80.0 condition.
- Press "SD", enter 52 S1nonmoving zone, press "SD" again, operate " ↑ →", adjust display numbers to 010 condition.
- Press "SD", enter 53 S1 time delay, press "SD" again, operate " ↑ →", adjust display numbers to 05 condition.
- Press "SD", enter 54 S2 setting value, press "SD" again, operate " ↑ →", adjust display numbers to 50.0 condition.
- Press "SD", enter 55 S2 nonmoving zone, press "SD" again, operate " ↑ →", adjust display numbers to 007 condition.
- Press "SD", enter 56 S2 time delay, press "SD" again, operate " ↑ →", adjust display numbers to 03 condition.
- Press "SD", enter 57 S1 . S2 setting type, press "SD" again, operate " ↑ →", adjust display numbers to 10 condition.
- Press "SD", enter 59 saving function, press "SD" again, operate " ↑ →", adjust display to "99" condition.
- Press "SD" again to save setting.

CHECKING :

- Terminal wiring : Check that all cables are correctly connected according to the connection diagram.
- Power input voltage : Check voltage of the terminal 10 、 11.
- Input : Check that the input signal is within 0-100%.
- Output : Check alarming function movement meets the described specifications.

SETTING PROCEDURE :

- This unit is calibrated at the factory to meet the ordered specifications; therefore you usually do not need any calibration.
- 30 sec. nonmoving key returns to normal display value.
- For matching the signal to a receiving instrument, adjust the setting as explained.

RTD Alarm Setter

FEATURES :

- Figure Display -100~400°C/-100~700°F
- Output / Set User Selectable
- Ultrathin Type, 27mm Width
- High Dielectric Strength (AC 2KV/Min , between Input / Output / Power)



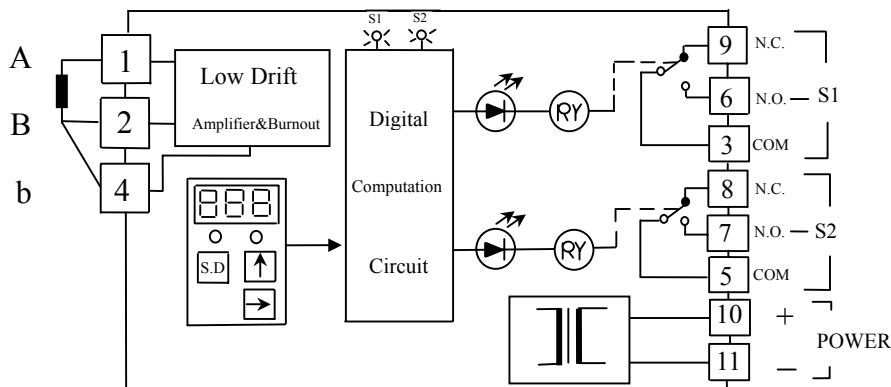
MODEL : TBR — [] — [] — []

INPUT		Setting Function		AUX. POWER	
A	PT100Ω 3Wire -100~400°C/ -150~700°F	A	Hi-Lo Setting	C	DC 24V
		B	Hi-Hi Setting	F	AC 85~265V
		C	Lo-Lo Setting		DC 100~300V
Y	OTHER			Y	OTHER

SPECIFICATIONS :

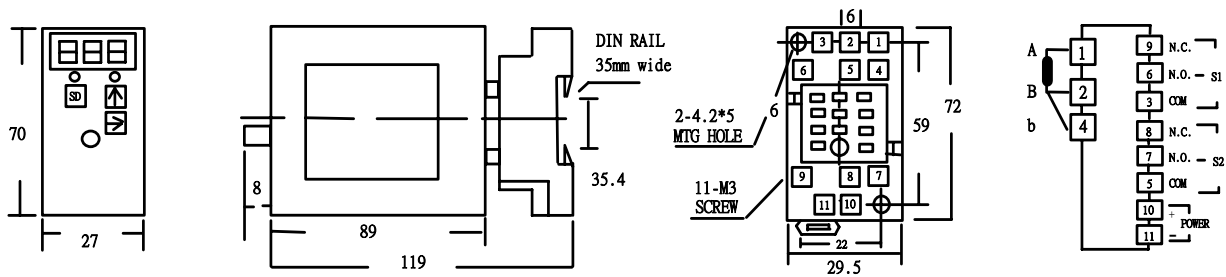
- Accuracy** : Display Accuracy $\pm 0.2\%FS \pm 2C$. Alarm movement Accuracy $\pm 0.2\%FS \pm 2C$.
- Display Range** : 0.28 High Lightness, Red LED 3 Digits. Under100, display decimal. Over100, display integer.
- Insulation Resistance** : $\geq 100M\Omega / DC 500V$
- Dielectric Strength** : AC 2KV / 1Min , between Input / Output / Power. · DIN IEC 688.
- Setting Function** : Two Units Alarm Joining. Hi / Lo User Selectable
- Setting Range** : 0 ~ 800 Counts Adjustable
- Nonmoving Zone** : 0 ~ 800 Counts Adjustable
- Time Delay** : 0 ~ 999 sec Adjustable
- Relay Contact** : SPDT AC 120V 5A ,250V 2.5A,DC 24V 3A PF=1
- Stability** : Year $\leq 0.2\%$
- Response Time** : $\leq 1sec$
- Temperature Coefficient** : $\leq 100ppm / ^\circ C$ From 0~60°C
- Operation Condition** : -5°C ~+85°C 20~95% RH Non-Condensed.
- Storage Condition** : -10°C ~+105°C 20~95% RH Non-Condensed.
- Power Fluctuation Rate** : Power Could Support AC 85~265V or DC 24V $\pm 10\%$
- Aux. Power Effect** : $\leq 0.03\% / V$
- Housing Material** : Non-Combustible PC Products , Compliance With UL 94 CLASS V-O
- Mounting** : DIN Rail or Wall Mounting
- Dimension** : 27 W × 119 H × 70 L mm (Base)

SCHEMATIC CIRCUITRY & CONNECTION DIAGRAM :



RTD Alarm Setter

EXTERNAL DIMENSIONS : mm (inch)



TERMINAL CONNECTIONS:

Connect the unit as in the above diagram or refer to the connection diagram label on the side of the unit.

SETTING VALUE ADJUSTMENT :

Key Description :

S.D : SELECT ↑ : UP (change enumeration) → : RIGHT (move digit)

Function Key :

- 5 1 : S 1 setting value 0~400.0 5 2 : S 1 nonmoving zone 0~99.9 5 3 : S 1 moving time delay 0~999 sec.
- 5 4 : S 2 setting value 0~400.0 5 5 : S 2 nonmoving zone 0~99.9 5 6 : S 2 moving time delay 0~999 sec.
- 5 7 : S 1 ; S 2 setting type.(1=Hi. 0=Lo) Hi-Hi. Hi-Lo. Lo-Hi. Lo-Lo user selectable.
- 5 8 : Start Delay Time 0~999, input start from zero, no alarming movement within the time.
- 5 9 : 99 Save.

Example : I/P:PT100Ω 3Wire,indicate 0~400°C.

Hi – Lo setting; Hi setting 320°C moving time delay 5 sec., nonmoving zone 10C.

Lo setting 150.0°C moving time delay 10 sec., nonmoving zone 15C.

Setting Operation :

Press "SD" first, enter operation condition , display shows "51" shine.

Press "SD", enter 51 S1 setting value, press "SD" again, operate " ↑ →", adjust display numbers to 320 condition.

Press "SD", enter 52 S1nonmoving zone, press "SD" again, operate " ↑ →", adjust display numbers to 010 condition.

Press "SD", enter 53 S1 time delay, press "SD" again, operate " ↑ →", adjust display numbers to 05 condition.

Press "SD", enter 54 S2 setting value, press "SD" again, operate " ↑ →", adjust display numbers to 150 condition.

Press "SD", enter 55 S2 nonmoving zone, press "SD"again, operate " ↑ →", adjust display numbers to 015 condition.

Press "SD", enter 56 S2 time delay, press "SD" again, operate" ↑ →", adjust display numbers to 10 condition.

Press "SD", enter 57 S1 . S2 setting type, press "SD" again, operate" ↑ →", adjust display numbers to10 condition.

Press "SD", enter 59 saving function, press "SD" again, operate " ↑ →", adjust display to "99" condition.

Press "SD" again to save setting.

CHECKING :

- Terminal wiring : Check that all cables are correctly connected according to the connection diagram.
- Power input voltage : Check voltage of the terminal 10、11.
- Input : Check that the input signal is within 0-100%.
- Output : Check analogy output and alarming function movement meets the described specifications.

SETTING PROCEDURE :

- This unit is calibrated at the factory to meet the ordered specifications; therefore you usually do not need any calibration.
- 30 sec. nonmoving key returns to normal display value.
- During RTD, 3digits display -104~0、0~99.9、100~700 or other -19.9~99.9.
- For matching the signal to a receiving instrument, adjust the setting as explained.

Current Loop Supply Alarm Setter

FEATURES :

- 3 Digits Input Display-19.9~99.9%
- Input / Set User Selectable, SPDT Two Units Output
- Ultrathin Type, 27mm Width
- High Dielectric Strength (AC 2KV/Min , between Input / Output / Power)



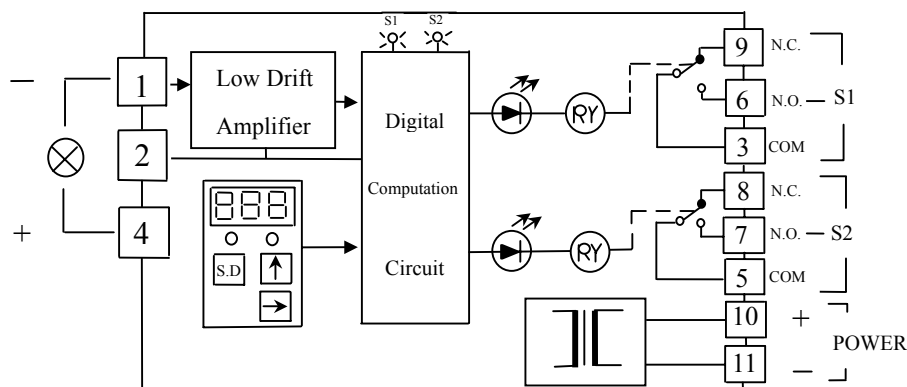
MODEL : TBS — [] — [] — []

INPUT		Setting Function		AUX. POWER	
A	DC 4~20mA 2wire EXT DC 22~28V	A	Hi-Lo Setting	C	DC 24V
		B	Hi-Hi Setting	F	AC 85~265V
		C	Lo-Lo Setting		DC 100~300V
				Y	OTHER

SPECIFICATIONS :

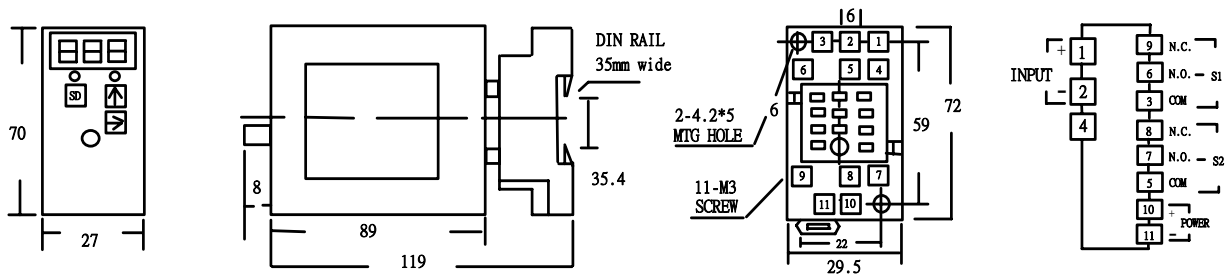
- Accuracy** : Display Accuracy $\pm 0.1\%FS \pm 1C$, Alarm movement Accuracy $\pm 0.1\%FS \pm 1C$.
- Display Range** : 0.28 High Lightness, Red LED 3 Digits -19.9~99.9 Counts. (Input over100%, display shines)
- Input Impedance** : Voltage Input $\geq 1M \Omega$, Current Input $\leq 50\Omega$
- Insulation Resistance** : $\geq 100M \Omega / DC 500V$
- Power Supply** : DC 22~28V(without load) , max DC 40mA
- Dielectric Strength** : AC 2KV / 1Min , between Input / Output / Power. DIN IEC 688.
- Input Protection** : $\geq DC 2V \leq 300Vrms$ Continuous ; $\leq DC 2V \leq 150Vrms$ Continuous ;
 $\leq DC 20mA \leq 150mA$ Continuous.
- Setting Function** : Two Units Alarm Joining. Hi / Lo User Selectable
- Setting Range** : 0 ~ 99.9 Counts Adjustable
- Nonmoving Zone** : 0 ~ 99.9 Counts Adjustable
- Time Delay** : 0 ~ 999 sec Adjustable
- Relay Contact** : SPDT AC 120V 5A ,250V 2.5A,DC 24V 3A PF=1
- Stability** : Year $\leq 0.2\%$
- Response Time** : $\leq 1sec$
- Temperature Coefficient** : $\leq 100ppm / ^\circ C$ From 0~60°C
- Operation Condition** : -5°C ~+85°C 20~95% RH Non-Condensed.
- Storage Condition** : -10°C ~+70°C 20~95% RH Non-Condensed.
- Power Fluctuation Rate** : Power Could Support AC 85~265V or DC 24V $\pm 10\%$
- Aux. Power Effect** : $\leq 0.03\% / V$
- Housing Material** : Non-Combustible PC Products , Compliance With UL 94 CLASS V-0
- Mounting** : DIN Rail or Wall Mounting
- Dimension** : 27 W \times 119 H \times 70 L mm (Base)

SCHEMATIC CIRCUITRY & CONNECTION DIAGRAM :



Current Loop Supply Alarm Setter

EXTERNAL DIMENSIONS : mm (inch)



TERMINAL CONNECTIONS :

Connect the unit as in the above diagram or refer to the connection diagram label on the side of the unit.

SETTING VALUE ADJUSTMENT :

Key Description :

S.D : SELECT ↑ : UP (change enumeration) → : RIGHT (move digit)

Function Key :

- 5 1 : S 1 setting value 0~99.9 5 2 : S 1 nonmoving zone 0~99.9 5 3 : S 1 moving time delay 0~999 sec.
- 5 4 : S 2 setting value 0~99.9 5 5 : S 2 nonmoving zone 0~99.9 5 6 : S 2 moving time delay 0~999 sec.
- 5 7 : S 1 ; S 2 setting type.(1=Hi. 0=Lo) Hi-Hi. Hi-Lo. Lo-Hi. Lo-Lo user selectable
- 5 8 : Start Delay Time 0~999 , input starts from zero , no alarming movement within the time.
- 5 9 : 99 Save.

Example : I/P:DC 4~20mA, indicate 0~99.9%

O/P: Hi – Lo setting; Hi setting 80.0% , moving time delay 5 sec., nonmoving zone 10C.
Lo setting 50.0% , moving time delay 3 sec., nonmoving zone 7C.

Setting Operation :

- Press "SD" first, enter operation condition , display shows "51" shine.
- Press "SD", enter 51 S1 setting value, press "SD" again, operate " ↑ →", adjust display numbers to 80.0 condition.
- Press "SD", enter 52 S1nonmoving zone, press "SD" again, operate " ↑ →", adjust display numbers to 010 condition.
- Press "SD", enter 53 S1 time delay, press "SD" again, operate " ↑ →", adjust display numbers to 05 condition.
- Press "SD", enter 54 S2 setting value, press "SD" again, operate " ↑ →", adjust display numbers to 50.0 condition.
- Press "SD", enter 55 S2 nonmoving zone, press "SD" again, operate " ↑ →", adjust display numbers to 007 condition.
- Press "SD", enter 56 S2 time delay, press "SD" again, operate " ↑ →", adjust display numbers to 03 condition.
- Press "SD", enter 57 S1 . S2 setting type, press "SD" again, operate " ↑ →", adjust display numbers to 10 condition.
- Press "SD", enter 59 saving function, press "SD" again, operate " ↑ →", adjust display to "99" condition.
- Press "SD" again to save setting.

CHECKING :

- Terminal wiring : Check that all cables are correctly connected according to the connection diagram.
- Power input voltage : Check voltage of the terminal 10 、 11.
- Input : Check that the input signal is within 0-100%.
- Output : Check alarming function movement meets the described specifications.

SETTING PROCEDURE :

- This unit is calibrated at the factory to meet the ordered specifications; therefore you usually do not need any calibration.
- 30 sec. nonmoving key returns to normal display value.
- For matching the signal to a receiving instrument, adjust the setting as explained.

Thermocouple Alarm Setter

FEATURES :

- 3 Digits Input Display 0~999°C
- Input / Output / Set User Selectable, SPDT Two Units Output
- Ultrathin Type, 27mm Width
- High Dielectric Strength (AC 2KV/Min , between Input / Output / Power)



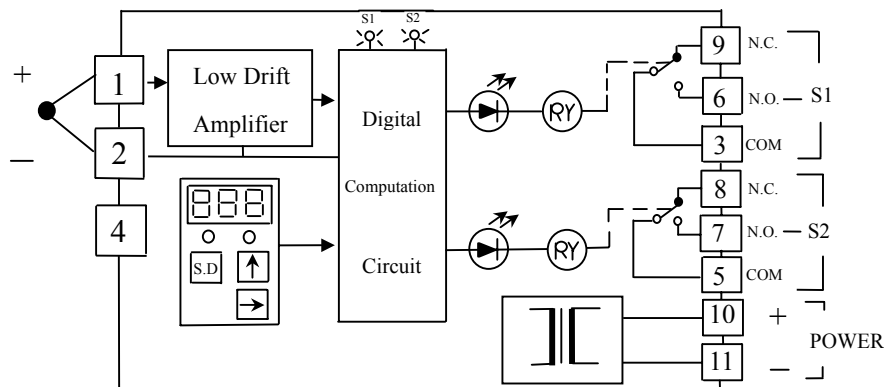
MODEL : TBT — [] — [] — []

INPUT		Setting Function		AUX. POWER	
K	K Type..-270~1370°C/-520~2500°F	A	Hi-Lo Setting	C	DC 24V AC 85~265V DC 100~300V
	E Type..-270~800°C/-520~1500°F	B	Hi-Hi Setting		
	J Type..-210~700°C/-410~1300°F	C	Lo-Lo Setting		
	T Type..-210~400°C/-410~760°F	N	NONE	Y	OTHER
R Type..0~1700°C/32~3100°F					
S Type..0~1700°C/32~3100°F					
B	B Type..0~1750°C/32~3200°F				

SPECIFICATIONS :

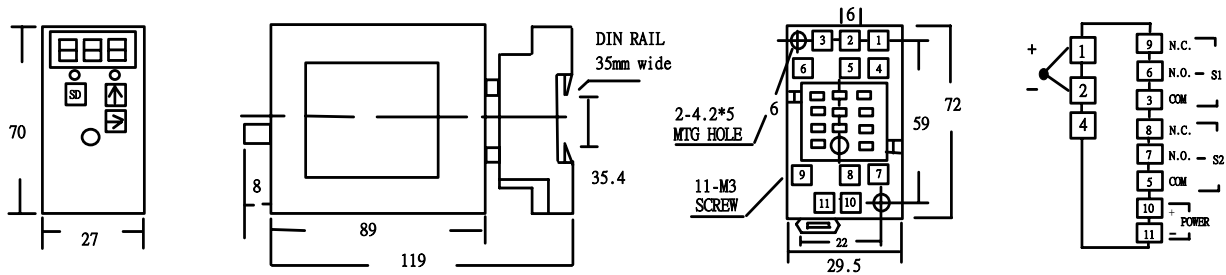
- Accuracy :** Display Accuracy $\pm 0.2\%FS \pm 2C$. Alarm movement Accuracy $\pm 0.2\%FS \pm 2C$.
- Display Range :** 0.28 High Lightness, Red LED 3 Digits 0~999 Counts. (Input over1000, display shines)
- Insulation Resistance :** $\geq 100M\Omega / DC 500V$
- Dielectric Strength :** AC 2KV / 1Min , between Input / Output / Power. DIN IEC 688.
- Input Protection :** $\geq DC 2V \leq 300Vrms$ Continuous ; $\leq DC 2V \leq 150Vrms$ Continuous ; $\leq DC 20mA \leq 150mA$ Continuous.
- Setting Function :** Two Units Alarm Joining. Hi / Lo User Selectable
- Setting Range :** 0 ~ 999 Counts Adjustable
- Nonmoving Zone :** 0 ~ 999 Counts Adjustable
- Time Delay :** 0 ~ 999 sec Adjustable
- Relay Contact :** SPDT AC 120V 5A ,250V 2.5A,DC 24V 3A PF=1
- Stability :** Year $\leq 0.2\%$
- Response Time :** $\leq 1sec$
- Temperature Coefficient :** $\leq 100ppm / ^\circ C$ From 0~60°C ; $\leq 50ppm / 25^\circ C \pm 5^\circ C$
- Operation Condition :** -5°C ~ +85°C 20~95% RH Non-Condensed.
- Storage Condition :** -10°C ~ +105°C 20~95% RH Non-Condensed.
- Power Fluctuation Rate :** Power Could Support AC 85~265V or DC 24V $\pm 10\%$
- Aux. Power Effect :** $\leq 0.03\% / V$
- Housing Material :** Non-Combustible PC Products , Compliance With UL 94 CLASS V-0
- Mounting :** DIN Rail or Wall Mounting
- Dimension :** 27 W \times 119 H \times 70 L mm (Base)

SCHEMATIC CIRCUITRY & CONNECTION DIAGRAM :



Thermocouple Alarm Setter

EXTERNAL DIMENSIONS : mm (inch)



TERMINAL CONNECTIONS :

Connect the unit as in the above diagram or refer to the connection diagram label on the side of the unit.

SETTING VALUE ADJUSTMENT :

Key Description :

S.D : SELECT ↑ : UP (change enumeration) → : RIGHT (move digit)

Function Key :

- 5 1 : S 1 setting value 0~999 5 2 : S 1 nonmoving zone 0~999 5 3 : S 1 moving time delay 0~999 sec.
- 5 4 : S 2 setting value 0~999 5 5 : S 2 nonmoving zone 0~999 5 6 : S 2 moving time delay 0~999 sec.
- 5 7 : S 1 ; S 2 setting type.(1=Hi. 0=Lo) Hi-Hi. Hi-Lo. Lo-Hi. Lo-Lo user selectable
- 5 8 : Start Delay Time 0~999 , input start from zero , no alarming movement within the time.
- 5 9 : 99 Save.

Example : I/P:K-Type, indicate 0~999°C.

Hi - Lo setting ; Hi setting 320°C, moving time delay 5 sec., nonmoving zone 10°C.
Lo setting 150°C, moving time delay 10 sec., nonmoving zone 15°C.

Setting Operation :

- Press "SD" first, enter operation condition , display shows "51" shine.
- Press "SD", enter 51 S1 setting value, press "SD" again, operate " ↑ →", adjust display numbers to 320 condition.
- Press "SD", enter 52 S1nonmoving zone, press "SD" again, operate " ↑ →", adjust display numbers to 010 condition.
- Press "SD", enter 53 S1 time delay, press "SD" again, operate " ↑ →", adjust display numbers to 05 condition.
- Press "SD", enter 54 S2 setting value, press "SD" again, operate " ↑ →", adjust display numbers to 150 condition.
- Press "SD", enter 55 S2 nonmoving zone, press "SD" again, operate " ↑ →", adjust display numbers to 015 condition.
- Press "SD", enter 56 S2 time delay, press "SD" again, operate " ↑ →", adjust display numbers to 10 condition.
- Press "SD", enter 57 S1 . S2 setting type, press "SD" again, operate " ↑ →", adjust display numbers to 10 condition.
- Press "SD", enter 59 saving function, press "SD" again, operate " ↑ →", adjust display to "99" condition.
- Press "SD" again to save setting.

CHECKING :

- Terminal wiring : Check that all cables are correctly connected according to the connection diagram.
- Power input voltage : Check voltage of the terminal 10 、 11.
- Input : Check that the input signal is within 0-100%.
- Output : Check alarming function movement meets the described specifications.

SETTING PROCEDURE :

- This unit is calibrated at the factory to meet the ordered specifications; therefore you usually do not need any calibration.
- 30 sec. nonmoving key returns to normal display value.
- 3 digits display 0~999.
- For matching the signal to a receiving instrument, adjust the setting as explained.