

Indication type only, Various sizes

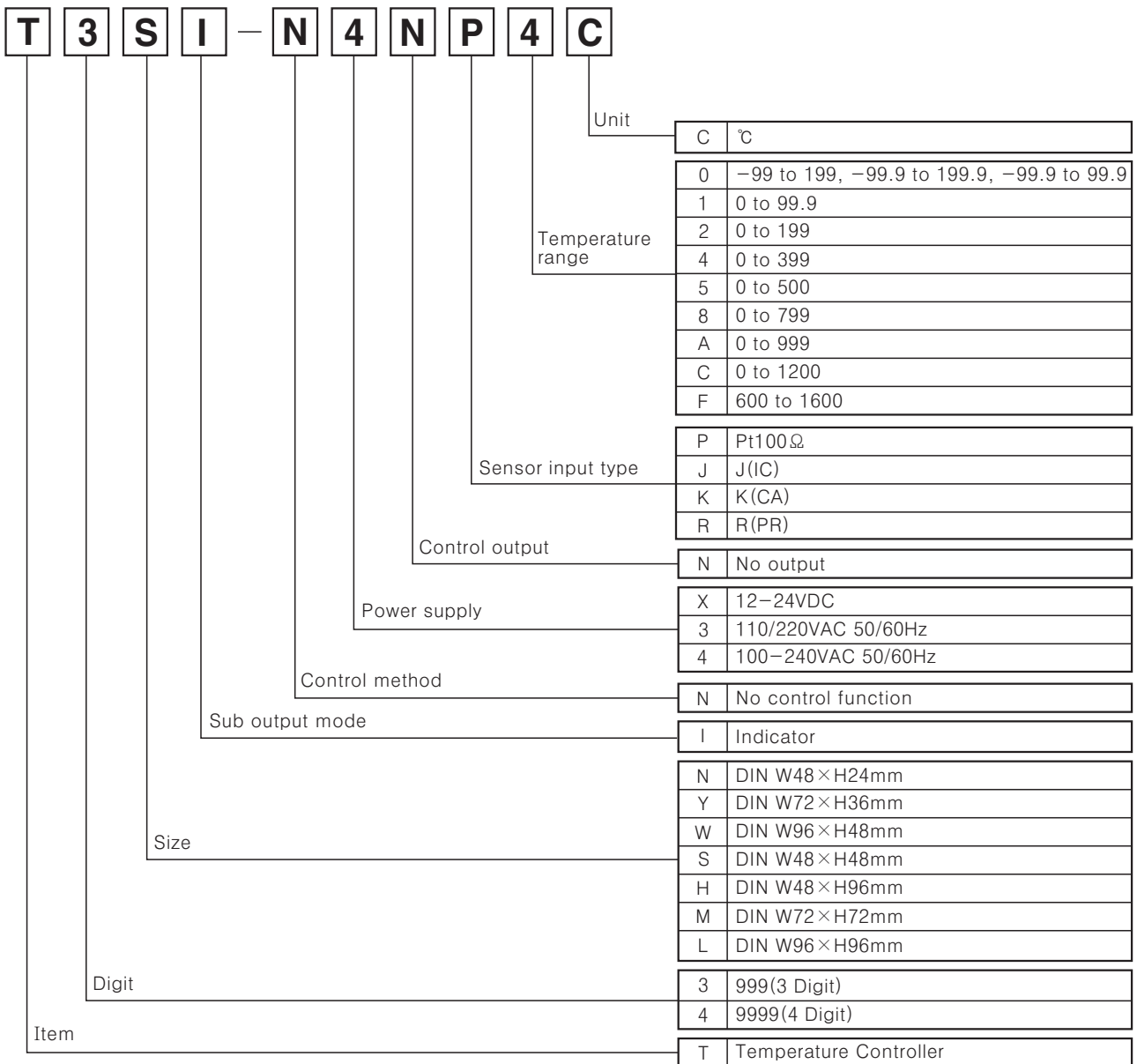
■ Features

- Various size
: W48×H24, W72×H36, W48×H48, W48×H96,
W72×H72, W96×H96mm
- No output function, Indication only
- High accuracy measuring function
: F · S±0.3% or ±0.5%



⚠ Please read "Caution for your safety" in operation manual before using.

■ Ordering information

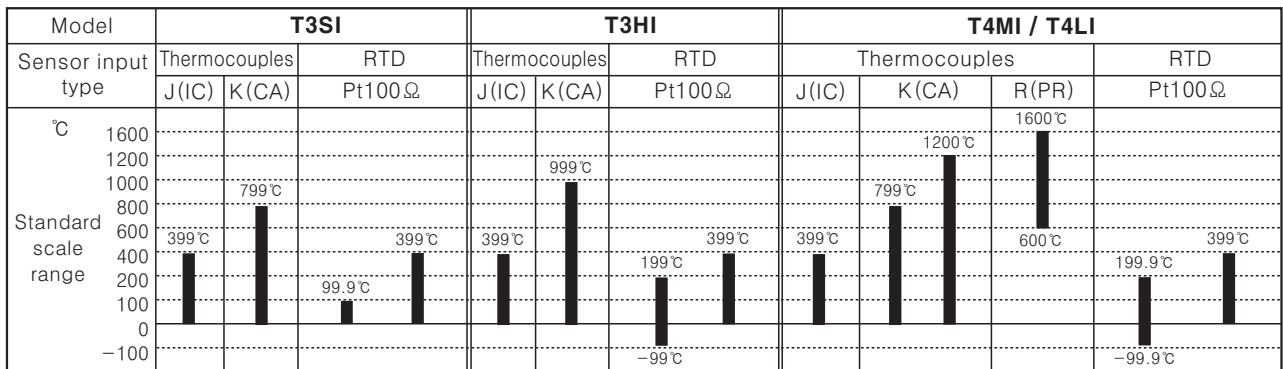
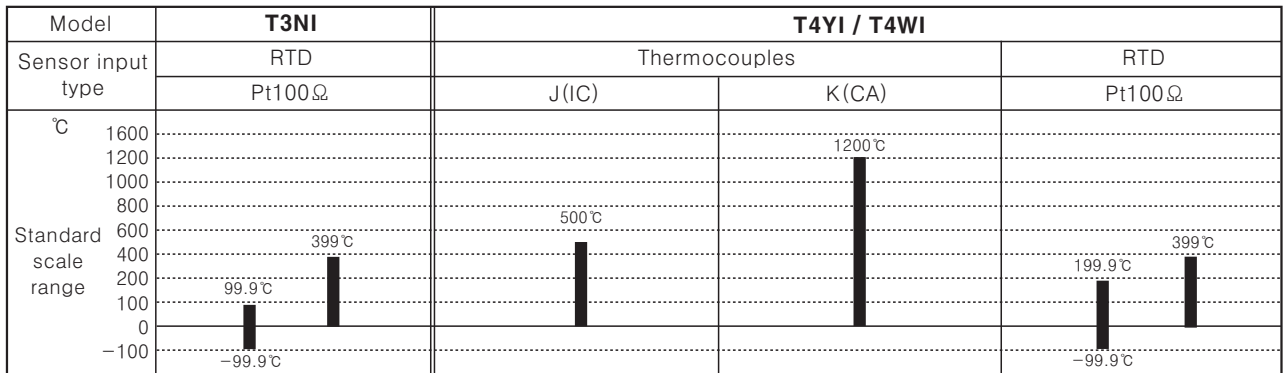


※ See H-99 about sensor temperature range for selection.

- (A) Photo electric sensor
- (B) Fiber optic sensor
- (C) Door/Area sensor
- (D) Proximity sensor
- (E) Pressure sensor
- (F) Rotary encoder
- (G) Connector/Socket
- (H) Temp. controller**
- (I) SSR/Power controller
- (J) Counter
- (K) Timer
- (L) Panel meter
- (M) Tacho/Speed/Pulse meter
- (N) Display unit
- (O) Sensor controller
- (P) Switching power supply
- (Q) Stepping motor & Driver & Controller
- (R) Graphic/Logic panel
- (S) Field network device
- (T) Production stoppage models & replacement

T3NI/T4YI/T4WI/T3SI/T3HI/T4MI/T4LI

Temperature range for each sensor



*In case input sensor is R(PR) type, it is not available to perform correct control under 600°C.

Specifications

Model	T3NI	T4YI	T4WI	T3SI	T3HI	T4MI	T4LI
Power supply	12-24VDC	100-240VAC 50/60Hz	110/220VAC 50/60Hz	100-240VAC 50/60Hz	110/220VAC 50/60Hz		
Allowable voltage range	90 to 110% of rated voltage						
Power consumption	2W	3VA					
Display method	7 Segment LED display						
Character size	W5×H8mm	W9.8×H14.2mm		W4×H8mm	W6×H10mm	W7.2× H9.8mm	W9.5× H14.2mm
Display accuracy	F·S ± 0.3% rdg ± 1digit	F·S ± 0.5% rdg ± 1digit					
Sensor input	Pt100Ω	Thermocouples (T.C): K(CA), J(IC), R(PR) / RTD : Pt100Ω					
Input line resistance	Max. 5Ω per a wire	Thermocouples : Max. 100Ω / RTD : Max. 5Ω per a wire					
Insulation resistance	Min. 100MΩ (at 500VDC megger)						
Dielectric strength	2000VAC 50/60Hz for 1 minute						
Noise strength	±500V	±1kV the square wave noise (pulse width : 1μs) by the noise simulator					
Vibration	Mechanical	0.75mm amplitude at frequency of 10 to 55Hz in each of X, Y, Z directions for 1 hour					
	Malfunction	0.5mm amplitude at frequency of 10 to 55Hz in each of X, Y, Z directions for 10 minutes					
Shock	Mechanical	300m/s ² (Approx. 30G) 3 times at X, Y, Z direction					
	Malfunction	100m/s ² (Approx. 10G) 3 times at X, Y, Z direction					
Ambient temperature	-10 to 50°C (at non-freezing status)						
Storage temperature	-20 to 60°C (at non-freezing status)						
Ambient humidity	35 to 85%RH						
Unit weight	Approx. 34g	Approx. 170g	Approx. 322g	Approx. 107g	Approx. 368g	Approx. 356g	Approx. 433g

*F.S is same with sensor measuring temperature range.

Ex) In case of using temperature is from -99.9 to 199.9°C, Full scale is 299.8.

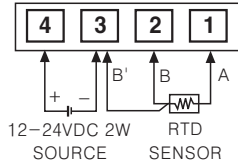
Indicator Type

Connections

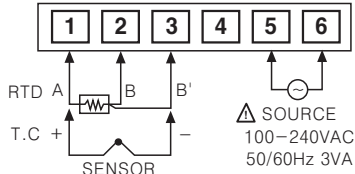
※RTD(Resistance Temperature Detector) : Pt 100Ω(3-wire type) ※Thermocouple : K, J, R

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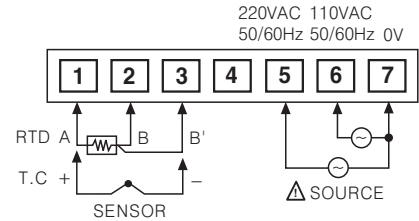
●T3NI



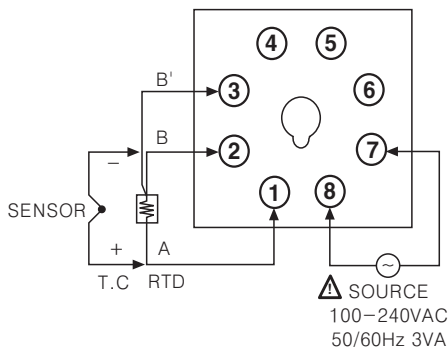
●T4YI



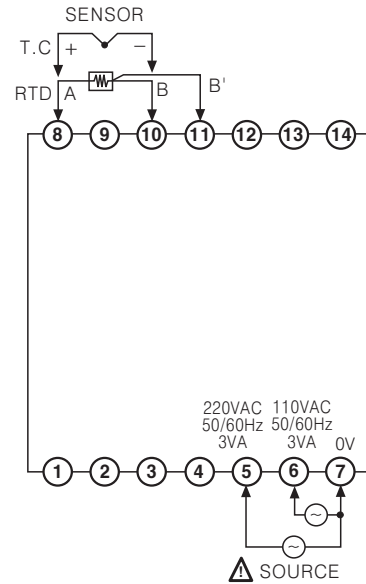
●T4WI



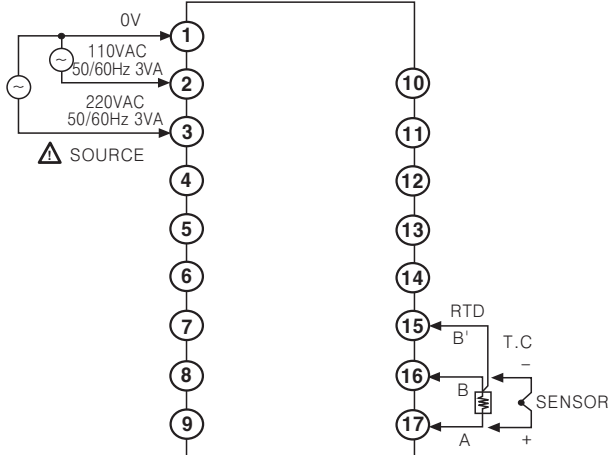
●T3SI



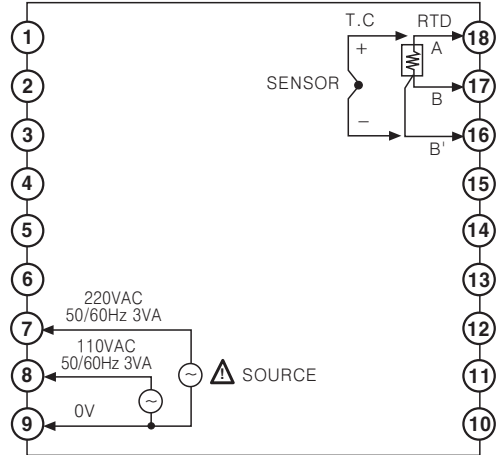
●T4MI



●T3HI



●T4LI

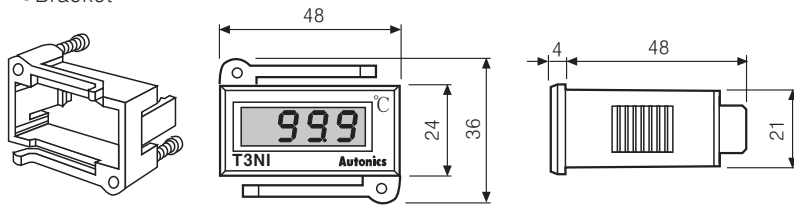


T3NI/T4YI/T4WI/T3SI/T3HI/T4MI/T4LI

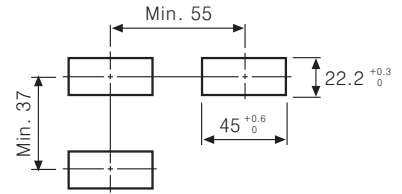
■ Dimensions

○ T3NI

● Bracket

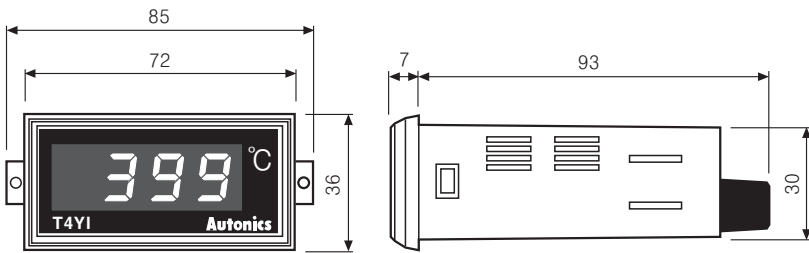


● Panel cut-out

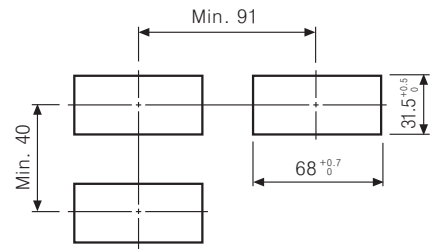


(Unit:mm)

○ T4YI

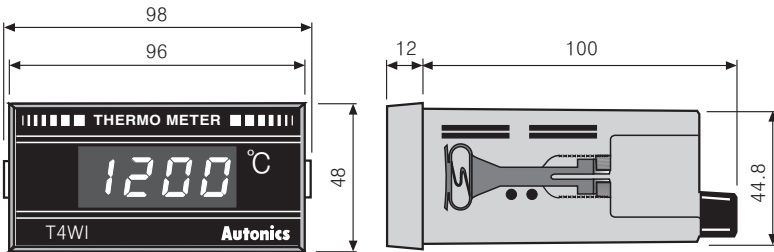


● Panel cut-out

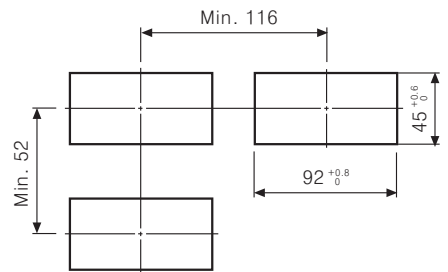


(Unit:mm)

○ T4WI



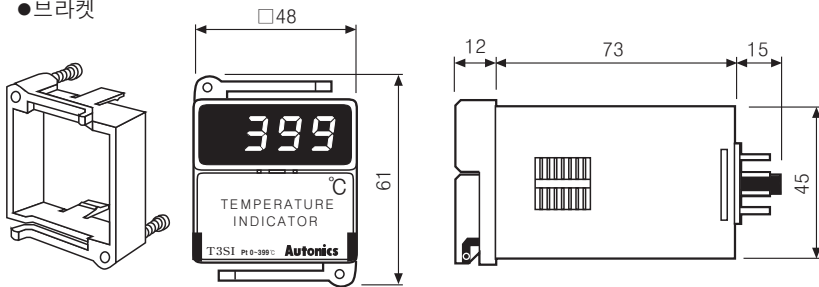
● Panel cut-out



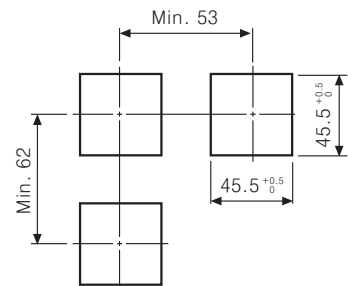
(Unit:mm)

○ T3SI

● 브라켓



● Panel cut-out

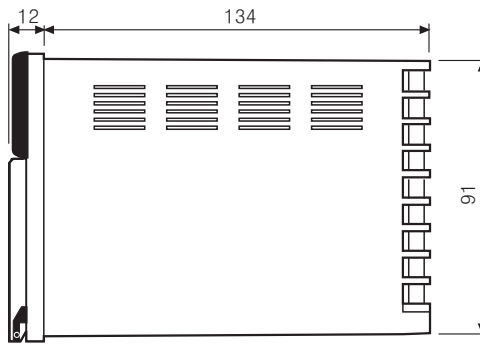
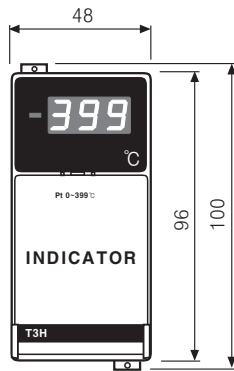


(Unit:mm)

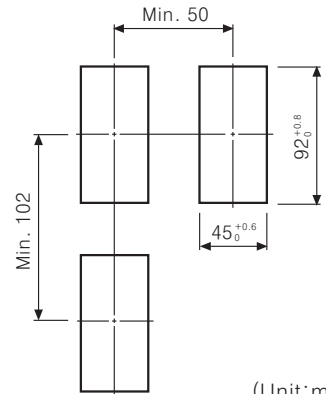
Indicator Type

■ Dimensions

● T3HI

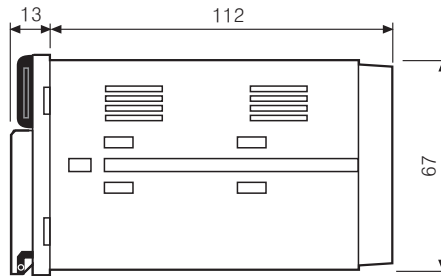
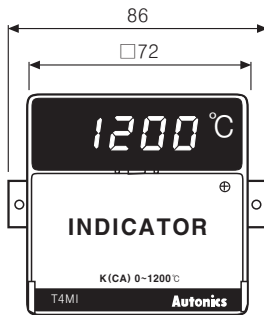


● Panel cut-out

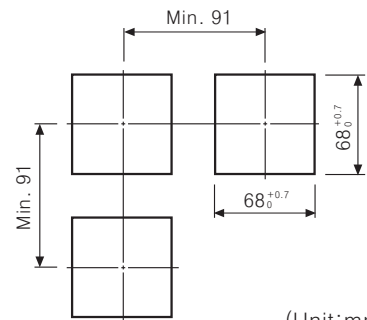


(Unit:mm)

● T4MI

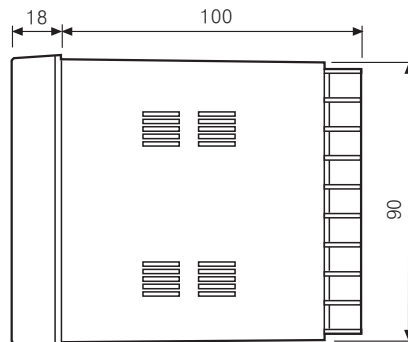
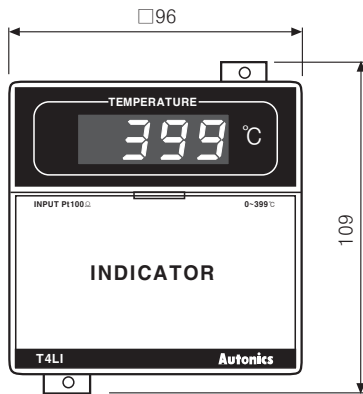


● Panel cut-out

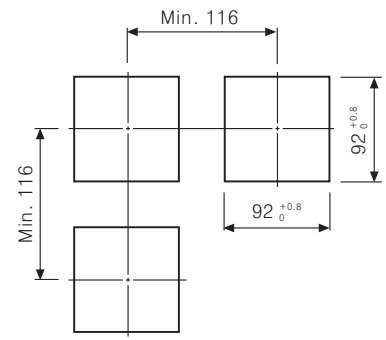


(Unit:mm)

● T4LI



● Panel cut-out



(Unit:mm)

■ Proper usage

◎ T3NI

- T3NI is used exclusively for measuring the internal and actual temperature of panel.
- Since the Thermocouple type of T3NI is not produced, please check items before selecting the product.
- The power supply of T3NI is 12-24VDC and AC power is not produced.
- RTD requires to use Pt100Ω 3-wires type and same length and thickness of lead wire.

◎ The other series

- Please check a model name when choose the item since the thermocouple is marked the same sign with Pt100Ω. Ex) T4WI-N3NPO
- RTD requires to use Pt100Ω 3-wire type, and same length and thickness of lead wire.
- The extension wire of thermocouple must be used with the rated compensating wire or thermocouple strand.

※ Refer to H-130 for ◎ Caution for using and ◎ Simple "Error" diagnosis.

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