


## Automatic switching function of 5 point temperature indication

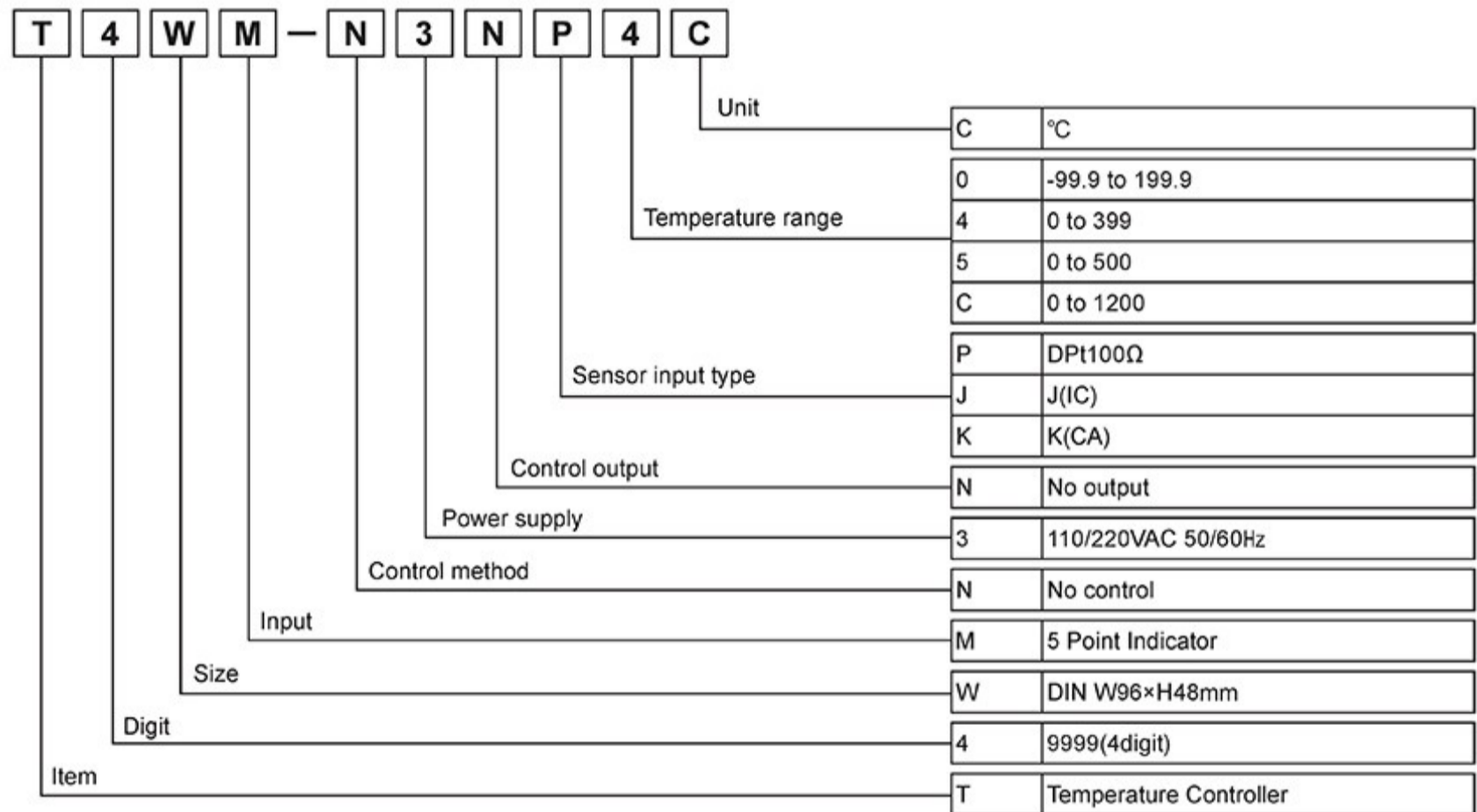
### ■ Features

- Indication type only
- High accuracy measurement: F.S.  $\pm 0.5\%$
- 5 Point temperature measurement
- Automatic or manual display of temperature in each point

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

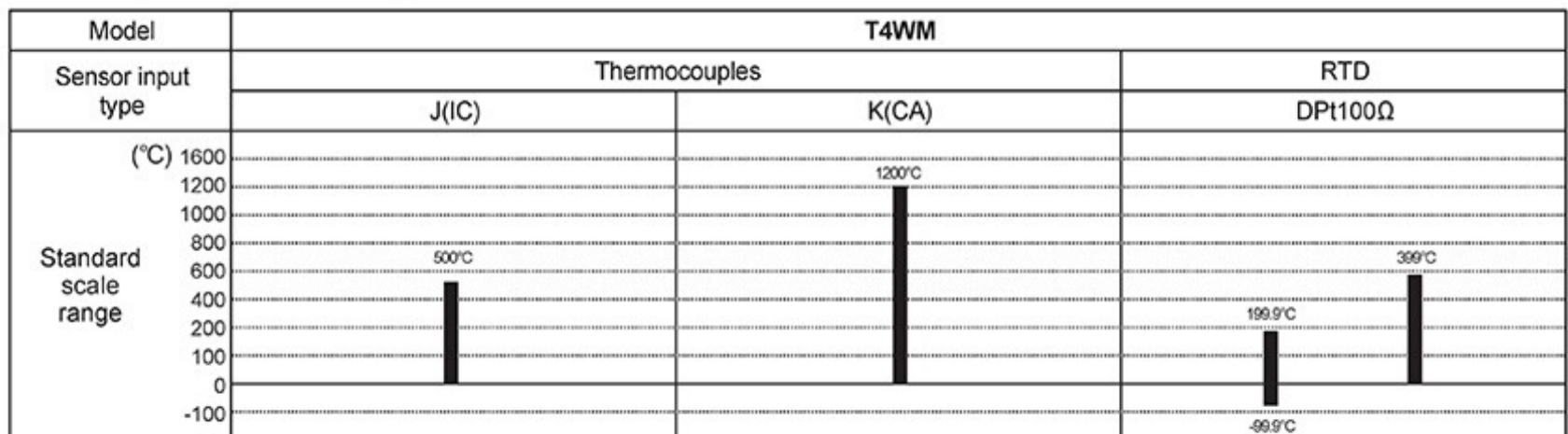


### ■ Ordering information



※ Please check the range of temperature when select model.

### ■ Temperature range for each sensor

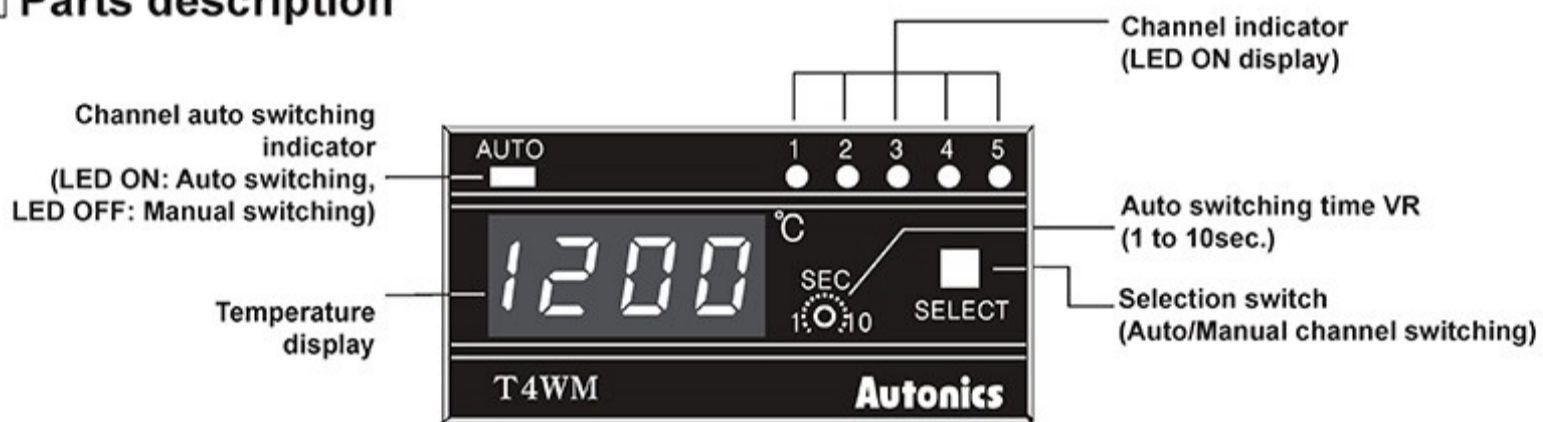


## Specifications

Series	T4WM	
Power supply	110/220VAC 50/60Hz	
Allowable voltage range	90 to 110% of rated voltage	
Power consumption	Max. 3VA	
Display method	7 Segment(red) LED method	
Character size(W×H)	9.8×14.2mm	
Display accuracy	F.S. ±0.5% rdg ±1digit	
Input sensor	Thermocouples : K(CA), J(IC) / RTD: DPT100Ω	
Input line resistance	Thermocouples: Max. 100Ω / RTD: Allowable line resistance max. 5Ω per a wire	
Connectable sensors	5EA(thermocouple, RTD are not used as mixed)	
Channel switch	Selectable Auto/Manual switching	
Auto switching time	Variable 1 to 10 sec.(by built-in VR)	
Insulation resistance	Min. 100MΩ(at 500VDC megger)	
Dielectric strength	2,000VAC 50/60Hz for 1 min.	
Noise strength	±1kV the square wave noise(pulse width: 1μs) by the noise simulator	
Vibration	Mechanical	0.75mm amplitude at frequency of 10 to 55Hz(for 1 min.) in each of X, Y, Z directions for 1 hour
	Malfunction	0.5mm amplitude at frequency of 10 to 55Hz(for 1 min.) in each of X, Y, Z directions for 10 min.
Shock	Mechanical	300m/s <sup>2</sup> (approx. 30G) in each of X, Y, Z directions for 3 times
	Malfunction	100m/s <sup>2</sup> (approx. 10G) in each of X, Y, Z directions for 3 times
Environment	Ambient temperature	-10 to 50°C, storage:-25 to 65°C
	Ambient humidity	35 to 85%RH, storage: 35 to 85%RH
Unit weight	Approx. 322g	

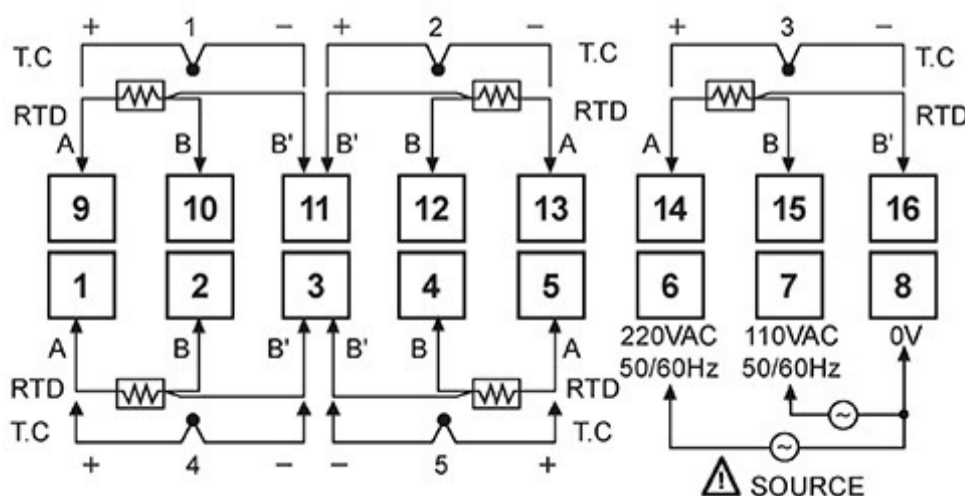
※Environment resistance is rated at no freezing or condensation.

## Parts description



## Connections

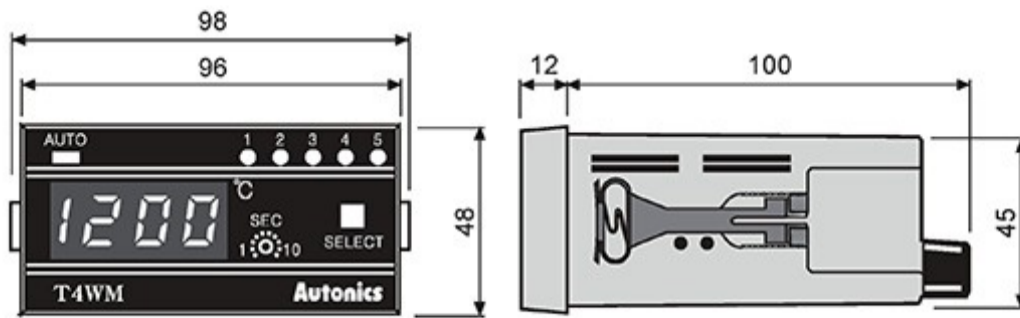
※RTD: DPT100Ω(3-wire type) ※Thermocouple: K, J



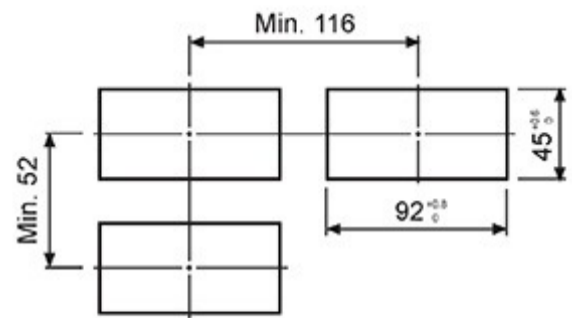
- (A) Photo electric sensor
- (B) Fiber optic sensor
- (C) Door/Area sensor
- (D) Proximity sensor
- (E) Pressure sensor
- (F) Rotary encoder
- (G) Connector/Socket
- (H) Temp. controller
- (I) SSR/Power controller
- (J) Counter
- (K) Timer
- (L) Panel meter
- (M) Tacho/Speed/Pulse meter
- (N) Display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

(unit: mm)

## ■ Dimensions



## ● Panel cut-out



## ■ Channel switching

### ◎ Auto/Manual channel switching

Auto switching	Select switch	Manual switching
When pressing this for 3sec. and the channel auto switching indicator turns ON and channels switch automatically. (AUTO LED: ON)		When press this once, the channel indicator turns ON and channels switch manually (AUTO LED: OFF)

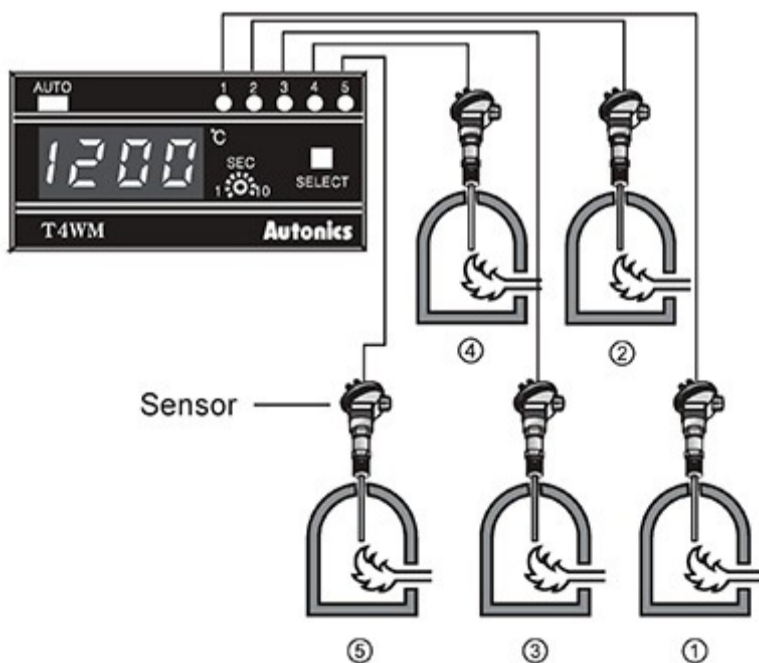
### ◎ Auto channel switching

- The temperature of each channel is displayed during auto switching time and switching to the next channel automatically.
- Auto switching time is variable up to 10 sec. by the front VR.
- When it is auto channel switching, the channel auto switching indicator turns ON.

### ◎ Manual channel switching

Whenever touching selection switch(SELECT), channel switches.

When a channel indicator turns ON, the temperature of the channel is displayed and whenever touching the switch, it moves to next channel.



## ■ Selection of input sensor number by internal DIP switch

Max. 5 different sensors can be connected but do not use thermocouple and Pt100Ω together.

Sensor	2	3	4	5
DIP switch	ON 3 2 1 OFF ■ ■ ■	ON 3 2 1 OFF ■ ■ ■	ON 3 2 1 OFF ■ ■ ■	ON 3 2 1 OFF ■ ■ ■

## ■ Memory protection

When the power fails, the data value will be protected for 3 months.(The battery must be charged fully.)