中山市山崴电气有限公司
IBEST ELECTRICAL CO.,LTD
Electrical & Automation

中文版 VERSION   ENGLISH VERSION
SANLLEVI

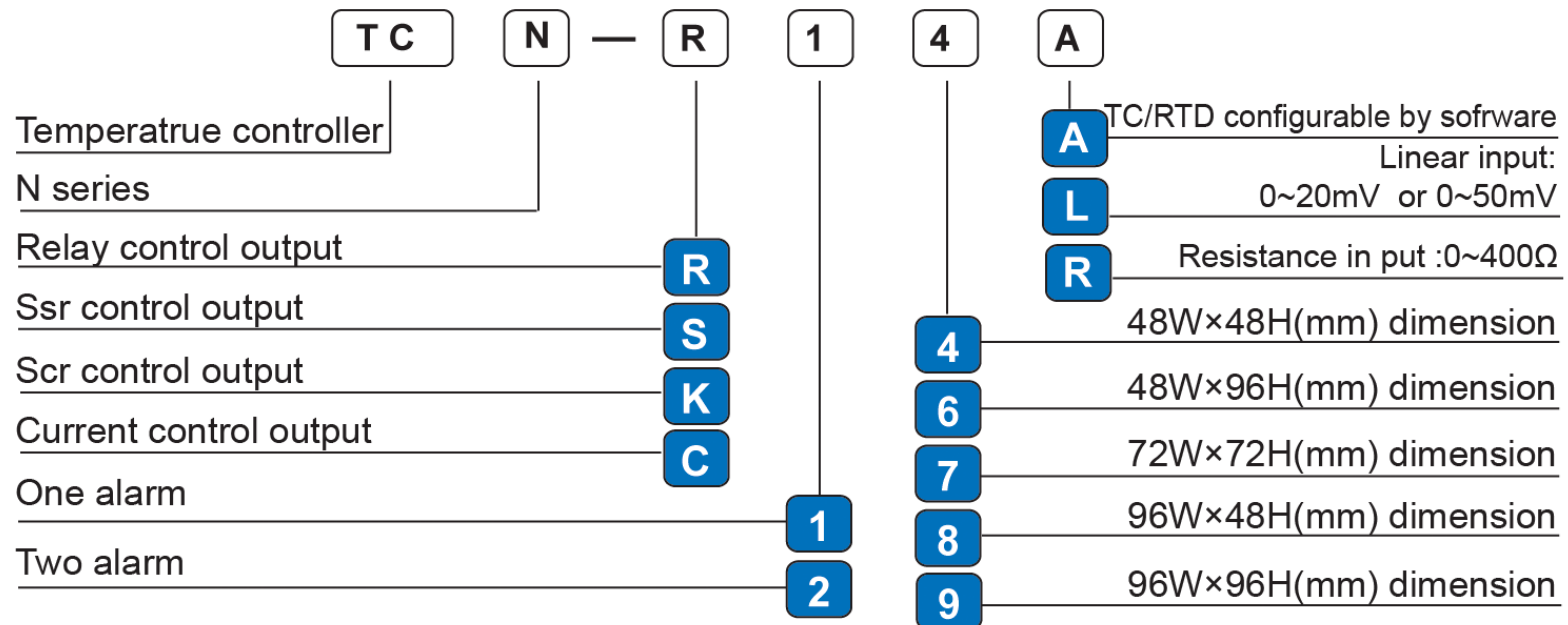| Home | About us | Products | News | Download | Business | Forum | Contact |

Product Catalog シンン

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Code：   TCN-□□6

Features：
* PID temperature controller or ON/OFF control; built with SMT technology
* Auto tune function, fuzzy PID, Cooling/heating function.
* Dual line 4 LED digit display: upper LED: red; lower LED: green
* Soft buttons, easily operate
* Optional input signals: thermocouple: K,S, E, J,T,B; thermo resistance: Pt100, Cu50
* Optional control output: Relay, SSR(Logic), SCR or Linear output
* 2 alarm output, up to 12 kinds of alarm mode
* Measuring accuracy: ≤±0.5%F.S±1 digit (under normal conditions)
* Optional instrument size: 48W×96H
* Apllication ranges: food&beverage; oven, furnance, plastic extruder, chemicals processing,heating process...etc. (For temperature measuring and control)

1. Product model is named:

Part Numbering Diagram

```
TC    N  —  R    1    4    A
```

- **TC** — Temperatrue controller
- **N** — N series
- **R** — Relay control output
- **S** — Ssr control output
- **K** — Scr control output
- **C** — Current control output
- **1** — One alarm
- **2** — Two alarm
- **A** — TC/RTD configurable by sofrware
- **L** — Linear input: 0~20mV or 0~50mV
- **R** — Resistance in put :0~400Ω
- **4** — 48W×48H(mm) dimension
- **6** — 48W×96H(mm) dimension
- **7** — 72W×72H(mm) dimension
- **8** — 96W×48H(mm) dimension
- **9** — 96W×96H(mm) dimension

2. Ordering Code:

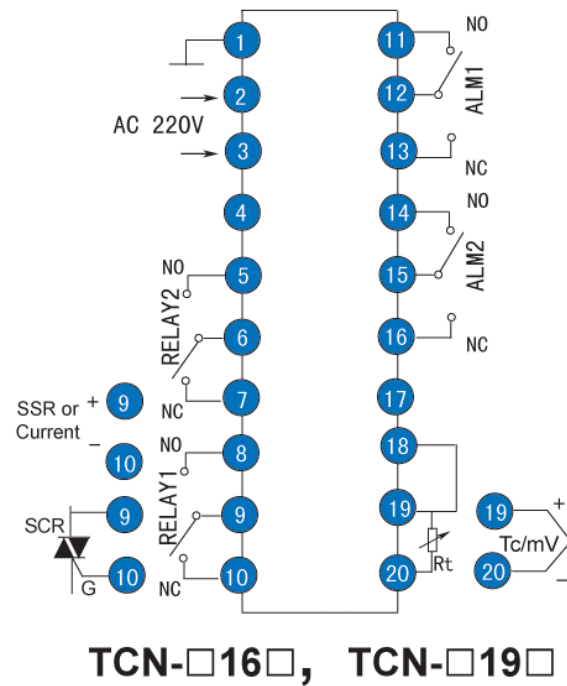| Model and Type	Input	Output	Alarm	Size	Buy
TCN-R16A(L/R)	A:TC/RTD input L:Linear input R: Rt input	Relay	1 relay alarm(alarm mode can be selected)	48×96mm	☐
TCN-S16A(L/R)	A:TC/RTD input L:Linear input R: Rt input	SSR/Logic	1 relay alarm(alarm mode can be selected)	48×96mm	☐
TCN-K16A(L/R)	A:TC/RTD input L:Linear input R: Rt input	SCR	1 relay alarm(alarm mode can be selected)	48×96mm	☐
TCN-C16A(L/R)	A:TC/RTD input L:Linear input R: Rt input	Current(0-10mA or 4-20mA)	1 relay alarm(alarm mode can be selected)	48×96mm	☐
TCN-R26A(L/R)	A:TC/RTD input L:Linear input R: Rt input	Relay	2 relay alarm(alarm mode can be selected)	48×96mm	☐
TCN-S26A(L/R)	A:TC/RTD input L:Linear input R: Rt input	SSR/Logic	2 relay alarm(alarm mode can be selected)	48×96mm	☐
TCN-K26A(L/R)	A:TC/RTD input L:Linear input R: Rt input	SCR	2 relay alarm(alarm mode can be selected)	48×96mm	☐
TCN-C26A(L/R)	A:TC/RTD input L:Linear input R: Rt input	Current(0-10mA or 4-20mA)	2 relay alarm(alarm mode can be selected)	48×96mm	☐

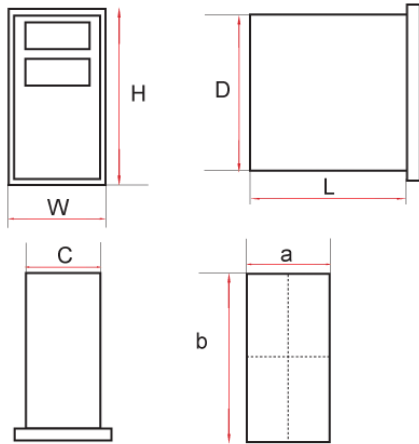Order List | Order Now | Order

3. Technical Specifications:

Property project	Specific parameter
Input Type	TC(K/E/J/S/T/B)&RTD(Pt100/Cu50)or Rt or Linear input

Control Output	Relay or SSR or SCR or current output(0-10mA or 4-20mA)
Control type	ON/OFF control / PI control / fuzzy PID
Measuring accuracy	0.5%±1digit
Operation conditions	0-50℃/45-85RH%/86-106KPa
Insulation Strength	AC 1500V 1 min / DC500V ≥50MΩ
Power Supply	85-260V AC
Power Supply	6:48W×96H

4. Electrical Connection Drawing:

TCN-□16□, TCN-□19□

5. The picture of product mix:

MODE	DIMENSION		INSTALLATION HOLE DIMENSION: a × b(mm)
	W × H(mm)	C × D × L(mm)	
TCN-□14□	48 × 48	44 × 44 × 100	45 × 45
TCN-□16□	48 × 96	44 × 92× 100	45 × 93
TCN-□17□	72 × 72	68 × 68 × 100	69 × 69
TCN-□18□	96 × 48	92 × 44 × 100	93 × 45
TCN-□19□	96 × 96	92 × 92 × 100	93 × 93

6. Notice:

* Users are prohibited to repair the controller by themselves to avoid any damage to the controller.
* The controller needs to check and maintain regularly so as to operate safely long-term. To change the damaged components, pleas contact our sales people or technical peple for assistance.
* The product should be power ON for 15m before operating; please clean the instrument, make sure the power is at "OFF" status.
* To clean out the dust or dirt on the instrument screen, please use soft cloth or cotton papper.
* Do not touch the instrument screen by hard objects to avoid scratch of the screen.
* Do not use screw driver or hard pin to touch the soft buttons on the faceplate.
* The complete product contains: product with connection diagram and , instruction manual, installing brackets (1 set), inspection certificate   and packing box with product label.