

4 DIGITAL PID TEMPERATURE CONTROLLER with ALARMS / ANALOG OUTPUT / RS-485

TB

FEATURES

- Accuracy: $\pm 0.3\%$ F.S. ± 1 digit
- Measuring Thermocouple / PT-100 / mAdc / Vdc
- Display range: -1999~9999; decimal point selectable
- Alarms output / Analog output optional
- High stability, non-flammable case (PC), high safety
- CE approval



ORDER INFORMATION: TB - [Code 1] - [Code 2] - [Code 3] - [Code 4] - [Code 5] - [Code 6] - [Code 7] - [Code 8] - [Code 9]

Code 1	Dimensions	Code 2	Control Output 1	Code 3	Control Output 2	Code 4	Alarm Output	Code 5	Analog Output	Code 6	Remote SV	Code 7	Communication	Code 8	Input type	Code 9	Power
100	48x48 mm	0	None	0	None	0	None	0	None	0	None	0	None	K	N	A	AC 85-265V
400	48x96 mm (H)	1	Relay	1	Relay	1	1 Relay	1	4~20mA	1	4~20mA	1	RS232	J	T	D	DC 24V
600	96x48 mm (V)	2	Volt for SSR	2	Volt for SSR	2	2 Relays	2	0~20mA	2	0~20mA	2	RS485	R	W		
700	72x72 mm	3	4~20 mA	3	4~20 mA	3	3 Relays	A	0~5V	A	0~5V	3	TTL	S	PL		
900	96x96 mm	4	0~20 mA	4	0~20 mA			B	0~10V	B	0~10V	A	RS232-Modbus	B	U		
								C	1~5V	C	1~5V	B	RS485-Modbus	E	L		
								D	2~10V	D	2~10V	D	2~10V				

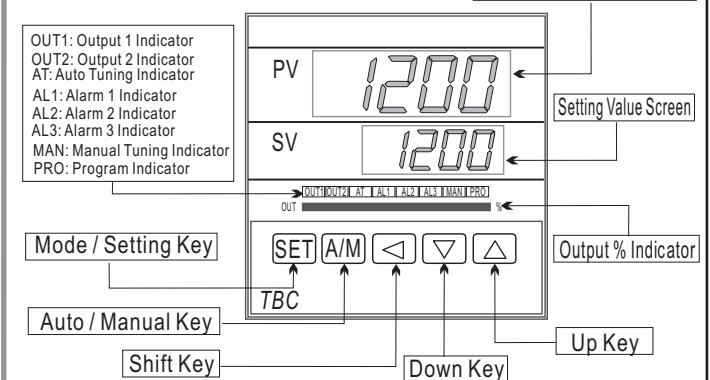
※ Input type table

TYPE	K	J	R	S	B	E	N	T	W	PL	U	L	JP100Ω	DPT100Ω	JP50Ω	AN(-1999~9999℃)
1	0.0~200.0℃	0.0~200.0℃	0~1600℃	0~1600℃	0~1820℃	0~800℃	0~1200℃	-199.9~400.0℃	0~2000℃	0~1300℃	-199.9~600.0℃	0~400℃	-199.9~600.0℃	-199.9~600.0℃	-199.9~600.0℃	-10~10mV
2	0.0~400.0℃	0.0~400.0℃	0~1769℃	0~1769℃		0~1000℃	0~1300℃	-199.9~200.0℃	0~2320℃	0~1390℃	-199.9~200.0℃	0~800℃	-199.9~200.0℃	-199.9~400.0℃	-199.9~400.0℃	0~10mV ²
3	0~600℃	0~600℃						-199.9~350.0℃			-199.9~400.0℃		-199.9~200.0℃	-199.9~200.0℃	-199.9~200.0℃	0~10mV ⁵
4	0~800℃	0~800℃											0~200℃	0~200℃	0~200℃	0~50mV / 0~20mA / 0~5V
5	0~1000℃	0~1000℃											0~400℃	0~400℃	0~400℃	10~50mV / 4~20mA / 1~5V
6	0~1200℃	0~1200℃											0~600℃	0~600℃	0~600℃	

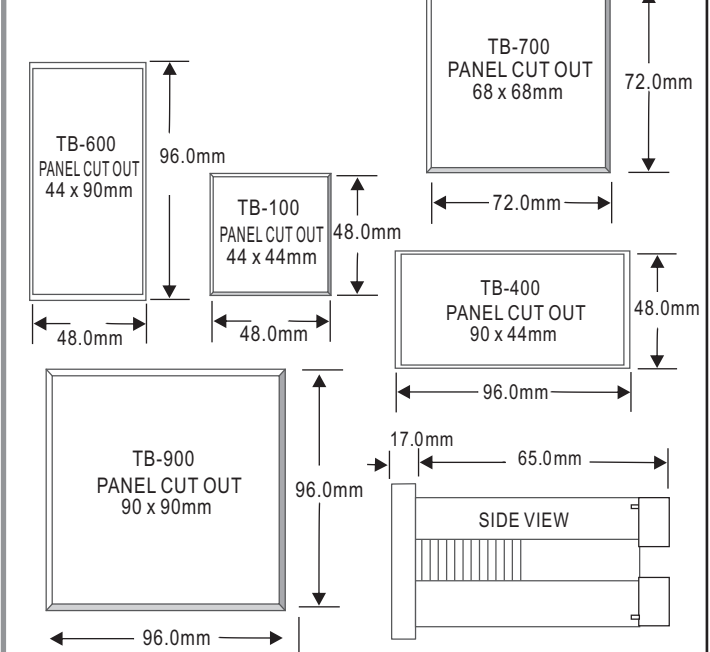
SPECIFICATION

- ◆ Accuracy: $\pm 0.3\%$ F.S. ± 1 digit
- ◆ Measuring Range:
 - K: 0~400℃ / 0~1200℃
 - J: 0~400℃ / 0~1200℃
 - E: 0~1000℃
 - T: -199.9~400℃ / 0~350℃
 - R: 0~1796℃
 - S: 0~1796℃
 - B: 0~1820℃
 - N: 0~1300℃
 - W: 0~2320℃
 - PL: 0~1390℃
 - U: -199.9~400℃ / 0~400℃
 - L: 0~800℃
 - PT-100: -199.9~600℃ / 0~600℃
- ◆ Display Screen: High brightness LED
- ◆ Sampling Time: 2.5 cycles / sec
- ◆ Display Range: -1999~9999
- ◆ Over Range Indication: UUU1
- ◆ Units: °C / °F
- ◆ Parameters Setting: Push buttons
- ◆ Back Up Memory: EEPROM
- ◆ Relay Contact: AC 240V / 5A; AC 240V / 3A (Alarm 2)
- ◆ Output Mode: On / Off control; PID control
- ◆ Output Capability: Voltage Output: <20mA; Current Output: <10V
- ◆ Temperature Coefficient: 100ppm/°C (0~60℃)
- ◆ Operating Temperature: 0~60℃
- ◆ Operating Humidity: 20~90% RH (non-condensing)
- ◆ Storage Temperature: -10~70℃
- ◆ Storage Humidity: 20~90% RH (non-condensing)
- ◆ Power Supply: AC 85~264V; DC 10~50V
- ◆ Surge Test: 2KVac / 1min
- ◆ Input Impedence: Thermocouple: $\geq 1M\Omega$
PT-100: $\geq 1M\Omega$
mAdc: 2.4Ω
Vdc: $\geq 1M\Omega$

FRONT PANEL & KEY FUNCTIONS

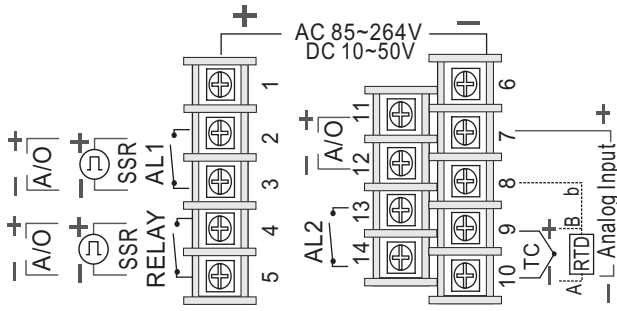


DIMENSION

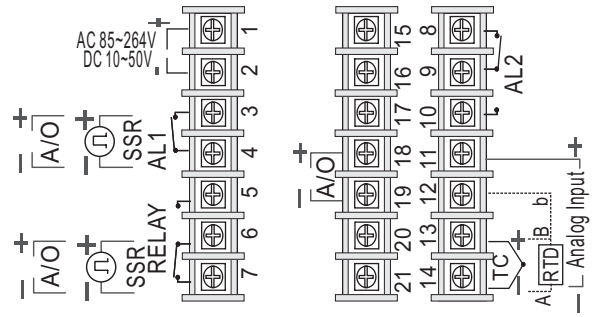


■ WIRING CONNECTION

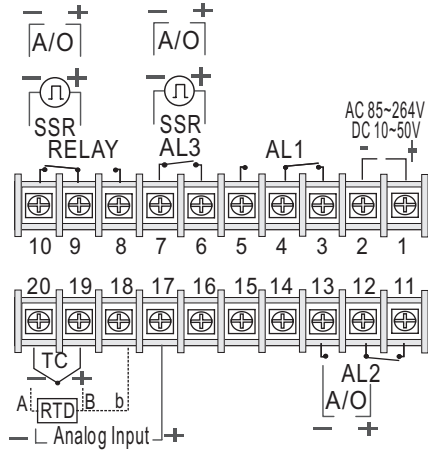
● TB-100 (48x48mm)



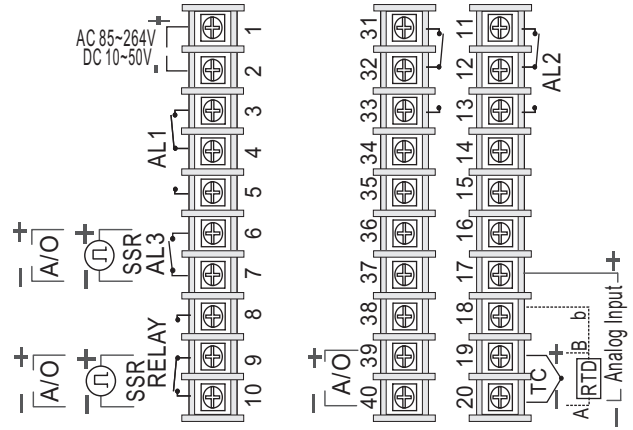
● TB-700 (72x72mm)



● TB-400 (48x96mm)



● TB-900 (96x96mm)



● TB-600 (96x48mm)

