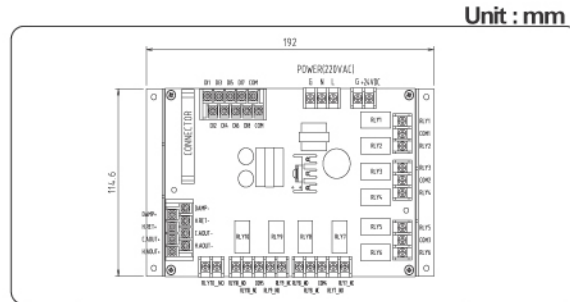
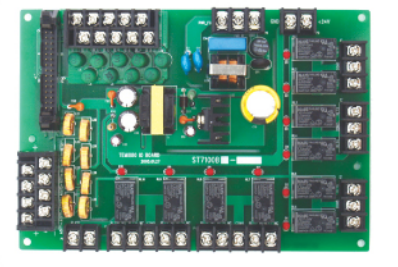


Quality parts

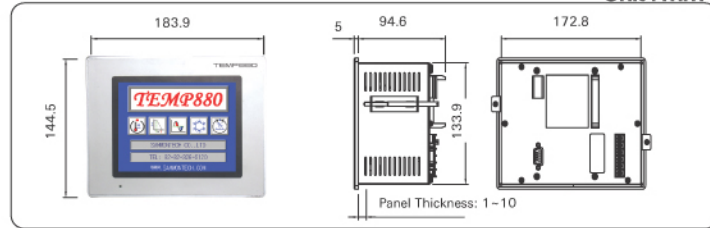
I/O Board



Mono Type Model (TEMP850)



Panel Cutting Size



Model And Suffix Code

Model	Type	Suffix Code	Description	Option	Description
TEMP880	Color Type	10	Standard I/O RELAY BOARD (10 Point) & RS232C	/	UDC USB Memory Storage Device
		11	Standard I/O RELAY BOARD (10 Point) & RS485		
TEMP850	Mono Type	20	Standard (10 Point) + Additional I/O RELAY BOARD (10 Point) & RS232C		
		21	Standard (10 Point) + Additional I/O RELAY BOARD (10 Point) & RS485		

▶ Standard Model Order Example: TEMP880 -10

Application Products



Model	UDC100 (USB Storage Device)
Item	Description
Dimension	73.1 x 28.1 x 83.5 mm, 145 g
Power Supply	(DC5V, 150mA)
Speed	19200 bps (Max)
Connector	TEMP Body : Terminal Block UDC100 Body : Terminal Block
Detail	REC/STS LED, RESET Switch
Specifications	USB Socket Memory Stick (FAT16 Support)



Model	CV1 (RS232C to RS422/485 Converter)
Item	Description
Dimension	43.8 x 23.8 x 796 mm, 112 g
Power Supply	Adaptor (DC9V, 300mA)
Communication	Asynchronous Method Serial Communication
Speed	115.2 Kbps(Max)
Distance	1.2Km(Max)
Connector	RS232C : D-Sub Connector(9Pin, Female) RS422/RS485 : Terminal Block
Detail	PWR, RTS, RXD, TXD LED 2Lines(RS485), 4Lines(RS422) Used RTS/DTR Slide Switch Termination Resistance(220 Ω) Include, 2500V Isolation



Model	SPS24 (Switching Power Supply)
Item	Description
Input	85-250V AC, 50/60Hz
Output	Voltage : 24V DC, 0.8A Ripple : Max 240mVp-p
Detail	Input-Output : 1500V AC/Minute 500V DC100M Ω (At Room Temp & Humi) Operating Condition : -10~+50℃, 20~90% RH(Non Condensing) Storage Condition : -20~+70℃, 20~90% RH(Non Condensing) Vibration : 10~105Hz at 0.5G, 30Minutes along X,Y and Z Axis



Quality Certification
Bureau Inc.
ISO 9001:2000
Registered QMS



Your Best Partner!

Temperature Programmable Controller

TEMP880

USB Memory Support

Variable Languages

Excellent Accuracy

Touch Type Interface

PV Graph Display

Your Best Partner

- High Brightness Color Touch Interface
- Dialogue Type Parameter Input
- Korean, English, Chinese
- I/O Relay Board with internal SMPS
 - Simplified Wiring and Saving Prime Cost
- Controlling and monitoring Controller with PC
- Freely setting of 24 Type Outputs(Internal Timer)
- USB Memory Function with UDC100(Optional)
 - Replacement Recorder
- Advanced PID Algorithm with built-in Auto-tuning Function
- Heating/Cooling Control Function(Input 1 Point, Control Output 2 Points)
- Programmable Auxiliary Output
- AUTO/MAN Function
- Powerful Communication & 99 Sets Multi-drop and Sync Operation Function
 - Over-Shooting Suppression
- PV Graph Display(0~8 Days)

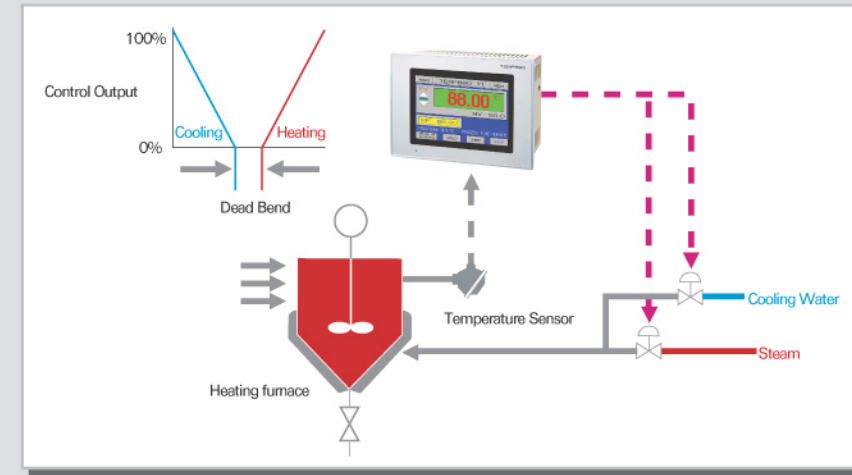


Specifications

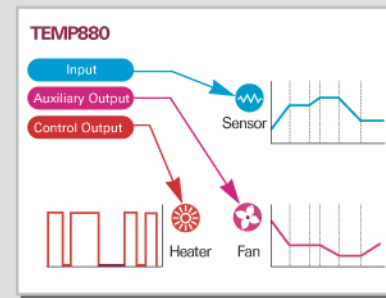
Items	Type	TEMP880	TEMP850
Display	LCD	5.7 Inch Color Touch Type	5.7 Inch Mono Touch Type
Program	Pattern / Segment	120 Patterns/1200 Segments	
	Repeat / Additional Function	Entire Repeat:Max.999Times(Infinity Repeat Available), Partial Repeat 4:Max.99Times/Pattern Link and Edit	
Control	PID Group	Group PID:3 Zones, Deviation PID:1 Zone	
Input	Input Point & Accuracy	Universal Input 1 Point, 0.1% of FS	
	Type of Input	T/C, RTD, DCV	
		K, J, E, T, R, B, S, L, N, U, W, Platine II PT100 Ω, JPT100 Ω 0.4~2V, 1~5V, 0~10V, -10~20mV, 0~100mV, 4~20mA, 0~20mA	
Output	Control Output	2 Points(Heating, Cooling)	
	Type of Output	SSR Output	On voltage: Over 15V DC, Minimum Pulse width:5ms
		SCR Output	4~20mA DC, Load resistance:Max.600 Ω
	Type of Output		Heating Cooling Heating Cooling
	General Control	SSR NONE	SCR NONE
	Heating/Cooling Control	SSR SSR	SCR SCR
		SCR SSR	SCR SCR
Auxiliary	Output Signal	1 Point, 4~20mA DC/Max.600 Ω	
Retransmission	Retransmission Output	1 Point, Type of Output:PV, SP, MV, HMV,CMV	
	Output	Signal/Load Resistance 4 ~ 20mA DC / Max. 600 Ω	
Contact Input	Type of Input	DI1:RUN/STOP, DI2~DI8:Error Message Names are editable(DI SEL: ERR) DI1:RUN/STOP, DI2 : Hold, DI3 : Step, DI4~DI8 : Pattern 1~16 Selectable(DI SEL: PTN)	
	Input Mode	Max. 12V DC, 10mA	
Contact Output	Contact of Output	Max. 20 Points(Standard 10 Points, Option 10 Points)	
	Capacity of Contact	Normal Open(Max. 30V DC/5A, 250V AC/5A), Normal Close(Max. 30V DC/1A, 250V AC/2A)	
	Type of Output (Total 24 Points)	Inner Signal:8 Points, Time Signal:4 Points, Alarm Signal:4 Points, Run Signal:1 Point, Up/Soak/Down Signal:3 Points, Error Signal:1 Point, PT End Signal:1 Point, 1st Ref Signal:1 Point, 2nd Ref Signal:1 Point	
Power Supply	Power Supply/Insulation Resitance	100~240V AC(±10%), 50/60Hz, Power Consumption:Max.15W/500V DC 20M Ω	
	Lithium Battery/Dielectric Strength	Setting Data Preservation(Min. 10Years)/2000V AC per 1 Minute	
Communication	Protocol	PC-Link, MODBUS(ASCII, RTU), SYNC Master	
	Type of communication	RS232C/RS485 - Distance Max. 1.2Km, Max.99 Sets Multi-drop, Speed Max. 9600bps)	
Data Backup	Replacement of Recorder	UDC100(Optional):Available General USB Memory Stick(FAT16 Support)	
	Data Storage Function	Program Information & Setting Value Download and Upload, Temperature, Humidity Process Value Storage	

Special Features

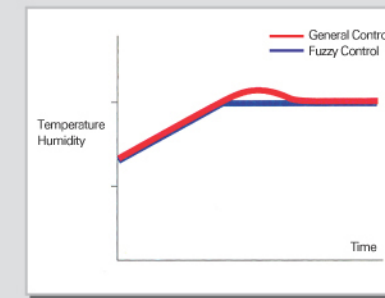
► Heating/Cooling Program Control



► Programmable Auxiliary Output

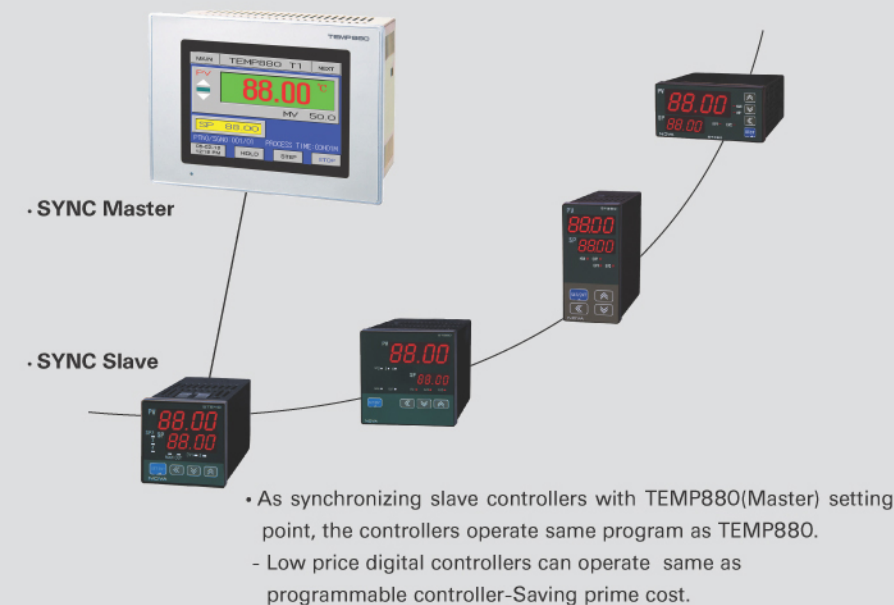


► Powerful Fuzzy Function

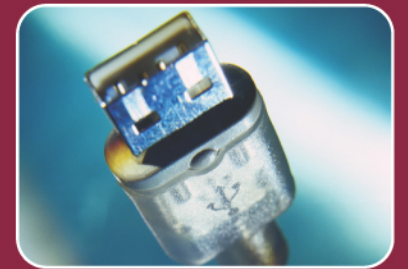


- When it occurs external shock, fuzzy function quickly can stabilize temperature and humidity.

► Powerful Sync communication



USB Memory Storage Device Support



- Temperature(PV, SP) Record
- Program and Setting Value Upload/Download

Variable Languages



- Korean, English, Chinese

Excellent Accuracy



- Input Resolution-A/D 18 Bits
- Output Resolution- Retransmission 14 Bits
- High Precision Control-1/100°C

Touch Type Interface



- Easy Use with Touch Screen Interface