

# MICROPROCESSOR CONTROLLERS



### 1. DIMENSIONS

KC-200	25x75mm
KC-400	48x48mm
KC-600	96x48mm
KC-700	72x72mm
KC-800	48x96mm
KC-900	96x96mm
KC-6000	96x48mm
KC-881N	96x48mm
KC-881P	87x48mm
ATC-521	87x155mm
ATC-522	94x100mm

### 3. OUTPUT 2

- 0 None
- 1 Relay
- 2 SSR
- 3 4~20mA
- 4 0~20mA
- A 0~5V
- B 0~10V
- C 1~5V
- D 2~10V

### 6. REMOTE SV

- 0 None
- 1 4~20mA
- 2 0~20mA
- A 0~5V
- B 0~10V
- C 1~5V
- D 2~10V

### 8. INPUT TYPE

Refer to type table

### 9. POWER

- A AC85~265V
- D DC24V

### 2. OUTT 1

- 0 -None
- 1 -Relay
- 2 -SSR
- 3 -4~20 mA
- 4 -0~20 mA
- 5 -1 Φ SCR Zero Cross Control ●
- 6 -3 Φ SCR Zero Cross Control ●
- 7 -Motor Valve Control ●
- 8 -1 Φ SCR Phase Angle Control ●
- 9 -3 Φ SCR Phase Angle Control ●
- A -0~5V
- B -0~10V
- C -1~5V
- D -2~10V

### 4. ALARM

- 0 None ●
- 1 1 SET ●
- 2 2 SET ●
- 3 3SET ●
- D Output DC24V

### 7. COMMUNICATION

- 0 -None
- 1 -RS232
- 2 -RS485
- 3 -TTL
- A -RS232\_MODBUS
- B -RS485\_MODBUS

### 10. OPTIONAL FT.

- PRO Program 可程式
- 2SV SET 雙SV設定
- 2TRS 雙再傳送 ●
- CT Disconnection
- ADC Additional 外加DC24V

● 為KC-200不能使用之功能

## MODEL TABLE

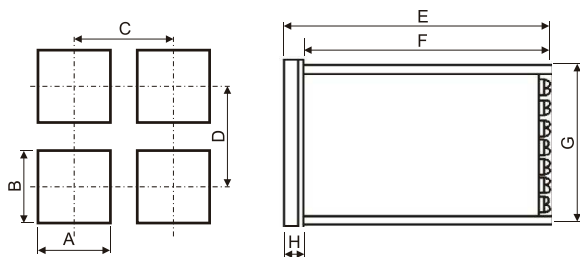
Type	1	2	3	4	5
K	K1/0.0~200.0°C	K2/0.0~400.0°C	K3/0~600°C	K4/0~800°C	K6/0~1200°C
J	J1/0.0~200.0°C	J2/0.0~400.0°C	J3/0~600°C	J4/0~800°C	J6/0~1200°C
R	R1/0~1600°C	R2/0~1769°C			
S	S1/0~1600°C	S2/0~1769°C			
B	B1/0~1820°C				
E	E1/0~800°C	E2/0~1000°C			
N	N1/0~1200°C	N2/0~1300°C			
T	T1/-199.9~600.0°C	T2/-199.9~200.0°C	T3/0.0~350.0°C		
W	W1/0~2000°C	W2/0~2320°C			
PL	PL1/0~1300°C	PL2/0~1390°C			
U	U1/-199.9~400.0°C	U2/-199.9~200.0°C	U3/0.0~400.0°C		
L	L1/0~400°C	L2/0~800°C			
JPT100Ω	JP1/-199.9~600°C	JP2/-199.9~400.0°C	JP3/-199.9~200.0°C	JP4/0~200°C	JP6/0~600°C
DPT100Ω	DP1/-199.9~600°C	DP2/-199.9~400.0°C	DP3/-199.9~200.0°C	JP4/0~200°C	DP6/0~600°C
JP50.Ω	JP.1/-199.9~600.0°C	JP.2/-199.9~400.0°C	JP.3/-199.9~200.0°C	JP.4/0~200°C	JP.6/0~600°C
AN1-5	AN1/-10~10mv -1999~9999	AN2/0~10mv*2 -1999~9999	AN3/0~0~20mv*5 -1999~9999	AN4/0~50mv 0~20mA 0~5V -1999~9999	

### SPECIFICATION High Illumination



LED Size	PV	SV
KC-200	0.30"	0.30"
KC-400	0.28"	0.28"
KC-600	0.56"	0.56"
KC-700	0.56"	0.40"
KC-800	0.28"	0.28"
KC-900	0.56"	0.40"
KC-6000	0.82"	NONE

## External Dimensions

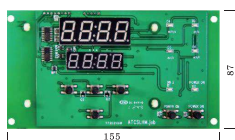


Model	A	B	C	D	E	F	G	H
KC-400	44.5+0.5	44.5+0.5	111	68	93	80	44	13
KC-700	68.5+0.5	68.5+0.5	87	92	93	80	68	13
KC-800	44.5+0.5	90.5+0.5	63	116	93	80	90	13
KC-900	90.5+0.5	90.5+0.5	111	116	93	80	90	13
KC-6000	90.5+0.5	44.5+0.5	111	68	93	80	44	13

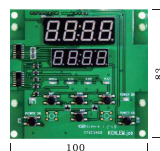
## SPECIFICATION

Input	Type Of Input	TC(K, J, R, S, B, E, N, T, W, PLII, U, L) RTD(PT100, JPT100, JPT50) Linear(0~1V, 0~5V, 0~10V, 1~5V, 2~10V, -10~10mV, 0~50mV, 10~50mV, 4~20mA, 0~20mA)
	Input Sampling Time	250ms
	Input Resolution	16bit(Each)
Indication	PV/SV Indication	4 Digit, 7segment display
	Constant Value System	Non-volatile memory
	Indication Accuracy	0.5%FS
Control Mode	Proportional Band(P)	0~200%(ON-OFF Action at P=0)
	Integral Time(I)	0~3600 sec.(PD Action at I=0)
	Derivative Time	0~900 sec.(PI Action at D=0)
	Cycle Time	0~150 sec.(4~20mA→0, SSR→1, Relay→15)
	Dead Band Time	0~1000 sec. (dead time compensation)
Output Out1/Out2	Relay Output	Contact, SPDT, 3A240VAC
	Voltage Output	Voltage Pulse, 20VDC/ 20mA
	Linear Output	4~20mA, 0~5V, 0~10V, 1~5V, 2~10V
	Output Type	Output1:Heat/Cool; Output2:Cool
Alarm	Channel	3 channel(AL1/AL2/AL3)
	Mode	20 Alarm Modes Available
	Timer	Flicker Alarm, Continued Alarm, On Delay Timer Alarm
General Specification	Rated Power Supply & Frequency	AC85~265V, 50/60HZ
	Power Consumption	4VA
	Ambient Temperature	-25°C~85°C
	Ambient Humidity	50~85% (Non Condensing)

## ATC SERIES PANEL CONTROLLERS



ATC-522



ATC-521

## FEATURES

- Various I/O types.
- Sampling cycle 0.5sec. Can revise the PV high spot and the low point
- Maximum with 3 sets of alarm, more than 20 alarm modes available.
- Remote SV/Transmission.
- RS-485 Communication
- Program 2 patterns 8 segments(programs events)
- Output2 4~20mA transmission(forward and reverse)
- Heating and cooling control
- SCR / TRIAC Trigger
- TTL Communication
- RS-232 Communication
- Motor valve control
- Current monitoring alarm
- LED provide high illumination