



## AK-6 AK-6 Plus



**AK6**

**AK6-Plus**

<b>Case Size</b>	48 x 48 x 76	72 x 72 x 72	48 x 96 x 72	96 x 96 x 72
<b>Panel Hole Size</b>	46 x 46	67 x 67	45 x 91	91 x 91
<b>Sensor</b>	T/C : K,E,J,N, S,B,R,T RTD : PT-100 /3 WIRE			
<b>Range Limit</b>	Check Table -1 for Range and Set Point High / Low Limit			
<b>Accuracy</b>	± 0.5 % OF FS			
<b>Sampling Time</b>	300 MS			
<b>Resolution</b>	1 °C	0.1 / 1 °C User Selectable		
<b>Display</b>	4 Digit Dual Display	4 Digit Dual Display		
<b>Unit</b>	°C / °F User Selectable			
<b>Control Action</b>	PID / ON-OFF			
<b>Output</b>	1 Relay + SSR Output			
<b>Relay</b>	Relay AC 220 V / 30 VDC / 3 A			
<b>Logic Level</b>	On : 12 VDC OFF : 0.5 VDC / 30 mA, Load Resistance ≥ 1 K			
<b>Auto / Manual Operation</b>	Output Power is increased / Decreased by Up / Down key in Manual Mode			
<b>Color</b>	Upper : 4 digit Red Lower : 4 Digit Green Seven Segment Display			
<b>Keyboard</b>	4 keys			
<b>Indication</b>	Indication for Relay Status / Alarm Status / Alarm Information			
<b>Mounting</b>	Flush Panel Mounting With Side Clamp			
<b>Power Supply</b>	95 - 270 VAC, 50- 60 Hz , ≥ 5 VA			
<b>Working Environment</b>	Temp : 0 - 50°C / Rh : 35 - 85 % ( Non - Condensation )			

**Table -1  
Temperature Input**

	Sensor Type	Temperature Range	Sensor Type	Temperature Range
<b>Thermocouple</b>	K	-200 °C ~ 1200 °C	N	-200 °C ~ 1300°C
	E	-200 °C ~ 650 °C	R	-50 °C ~ 1700 °C
	J	-200 °C ~ 850°C	T	-200 °C ~ 400°C
	S	-50 °C ~ 1700°C	W3-25	0 °C ~ 2300°C
	B	0 °C ~ 1800°C	W3-26	0°C ~ 2300 °C
<b>RTD</b>	PT - 100	-200 °C ~ 850 °C	CU-50	-50°C ~ 150 °C



**AK6-AKS-800  
(8 Amp Phase Output)**



**AK6-ETS-100  
(Relay + SSR Output)**



**AK6-BKS-400  
(Thyristor Output)**