



Features:

- Dual display,4 digits,7 segments LED display
- Input thermocouple(K,E,J,N,T,S,R,B) RTD (PT100, Cu50)
- PID,ON/OFF Control mode
- **Built-in Relay + SSR Drive output, output field selectable**
- 0.5%F.S measuring accuracy
- °C/°F display selectable
- Parameter reset to factory default value
- Maximum 2 alarms
- 100~240Vac/dc or 24Vdc/ac

Ordering Information

MLC-48	(48mm*48mm)(Width*Height)	1 2 3 4
MLC-49	(48mm*96mm)(Width*Height)	
MLC-72	(72mm*72mm)(Width*Height)	
MLC-96	(96mm*96mm)(Width*Height)	
MLC-94	(96mm*48mm)(Width*Height)	

1:Control output

C	Relay output+SSR Drive Output(Output field selectable)
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2:Number of Alarms

1	1 alarm
2	2 alarms

3:Input

U	TC(K,E,J,N,T,S,R,B) RTD(PT100, Cu50)
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4:Power supply

96	100-240VAC 50~60HZ
24	24VAC/DC

Ordering example: MLC-48-C-2-U-24
 48: 48mm*48mm
 C: Relay+SSR Drive output, output field selectable
 2: 2 alarms
 U: TC/RTD input
 24: 24VDC/AC source

Unique Features

1)MLC series Controller with built-in SSR Drive output and Relay output,if you want to use this controller to trigger a AC contractor or bigger load relay , select the Relay output, if you want to use this controller to trigger a solid state relay,select the SSR drive output



2)This controller offers a feature where all the parameters can be reset to factory default value in case the parameters was messed up. this helps a new customers to explore this controller yet do not worry about getting lost in the process

Technical Specifications

Display

Digits	4 digits 7 segments LED,Dual display
LED Indicators	AT,AL1,AL2,OUT,°C,°F

Input Specifications

Inputs	Thermocouple(K,J,R,S,B,T,E,N) RTD (PT100, Cu50)
Sampling time	100ms
Resolution	1/0.1° for both TC and RTD Decimal point position selectable
Temperature Unit	°C/°F Selectable
Indication Accuracy	For TC and RTD inputs: 0.5% of F.S. ± 1°

Output Specifications

Main Control Output	SSR Drive+Relay output, field selectable
Relay(Normally open)	3A @ 250Vac Resistive Load(Main Output) 3A @ 250Vac Resistive Load(Alarm output)
SSR Drive	12V DC(less than 20mA)

Supply Voltage

Supply Voltage	85~265Vac 50/60HZ or 24VDC
Power Consumption	less than 8VA max @230Vac

Environmental Specifications

Temperature	Operating: -10 to 50°C Storage: -20 to 60°C
Humidity(non-condensing)	Operating under 35%~85%RH
Weight	0.12kg(MLC-48) 0.17kg(MLC-49/MLC-94) 0.18kg(MLC-72) 0.23kg(MLC-96)
Protection	IP20