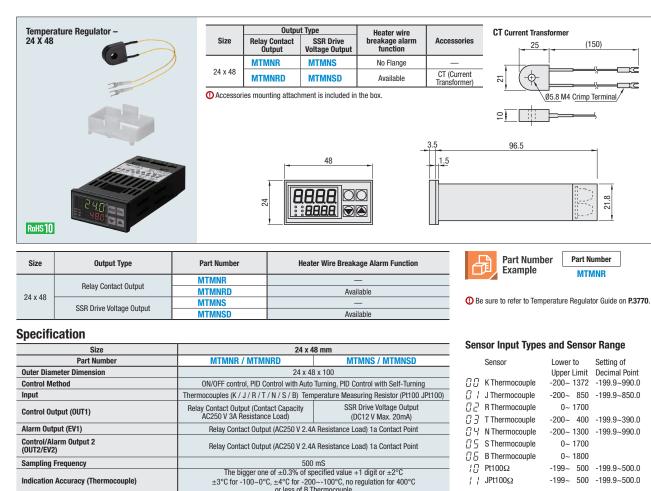
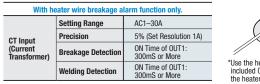
Temperature Regulator

24 x 28



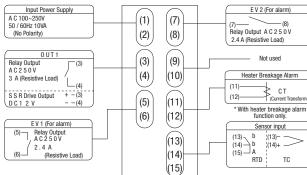
Size	24 x 48 mm		
Part Number	MTMNR / MTMNRD	MTMNS / MTMNSD	
Outer Diameter Dimension	24 x 48 x 100		
Control Method	ON/OFF control, PID Control with Auto Turning, PID Control with Self-Turning		
Input	Thermocouples (K / J / R / T / N / S / B) Temperature Measuring Resistor (Pt100 JPt100)		
Control Output (OUT1)	Relay Contact Output (Contact Capacity AC250 V 3A Resistance Load)	SSR Drive Voltage Output (DC12 V Max. 20mA)	
Alarm Output (EV1)	Relay Contact Output (AC250 V 2.4A Resistance Load) 1a Contact Point		
Control/Alarm Output 2 (OUT2/EV2)	Relay Contact Output (AC250 V 2.4A Resistance Load) 1a Contact Point		
Sampling Frequency	500 mS		
Indication Accuracy (Thermocouple)	The bigger one of ±0.3% of specified value +1 digit or ±2°C ±3°C for -100~0°C, ±4°C for -200~-100°C, no regulation for 400°C or less of B Thermocouple		
Indication Accuracy (Temp. Measuring Resistor)	The bigger one of ±0.3% of specified value +1 digit or ±0.9°C		
Indication Accuracy Maintenance Temp. Range	Ambient Temperature: 23±10°C		
Storage Element	EEPROM		
Power Supply Voltage	AC 100–240V (Allowable voltage change range 85–264V)		
Power Consumption	10 VA (Max.)		
Mass	180 g or less		

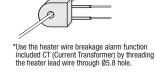
*For relay contact of OUT1 EV1 OUT2 EV2, the mechanical life is 5 million times or more, and the electrical life is 100 thousand times or more.

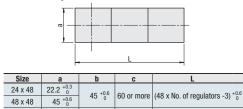


Terminal Arrangement for Wire Connection

📌 MiSUMi







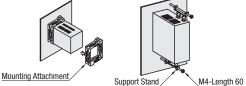
*To install, insert the body and gasket into the square hole of the panel, and

insert the mounting attachment from the rear side until clearance is eliminated

Panel Cut Dimension Single Installation

Solid Installation

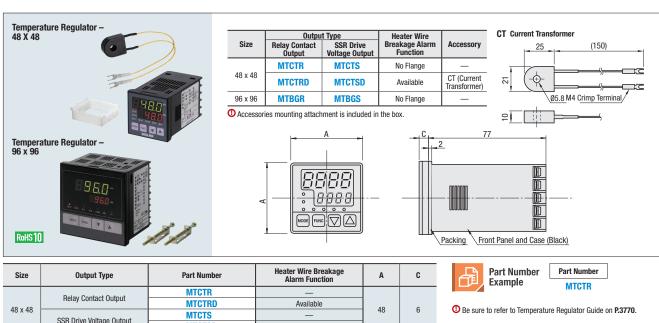




There's more on the web: misumiusa.com

Temperature Regulator

48 x 48 / 96 x 96

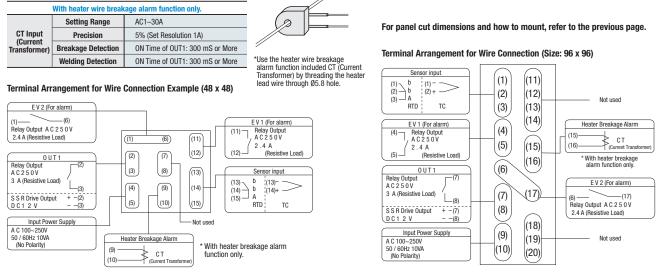


Size	Output Type	Part Number	Heater Wire Breakage Alarm Function	Α
48 x 48 Relay Contact Output SSR Drive Voltage Output	· · ·	MTCTR	—	48
		MTCTRD	Available	
	CCD Drive Veltage Output	MTCTS	—	
		MTCTSD	Available	
96 x 96	Relay Contact Output	MTBGR	—	00
90 X 90	SSR Drive Voltage Output	MTBGS	—	96

Specification

Size	48 x 48 mm		96 x 96 mm			
Part Number	MTCTR / MTCTRD	MTCTS / MTCTSD	MTBGR	MTBGS		
Outer Diameter Dimension	48 x 48 x 83		96 x 96 x 86			
Control Method	ON/OFF control, PID Control with Auto Turning, PID Control with Self-Turning					
Input	Thermocouples (K / J / R / T / N / S / B) Temperature Measuring Resistor (Pt100 JPt100)					
Control Output (OUT1)	Relay Contact Output (Contact Capacity AC250 V 3A Resistance Load)	SSR Drive Voltage Output (DC12 V Max. 20 mA)	Relay Contact Output (Contact Capacity AC250 V 3A Resistance Load)	SSR Drive Voltage Output (DC12 V Max. 20 mA)		
Alarm Output (EV1)	Relay Contact Output (AC250 V 2.4A Resistance Load) 1a Contact Point					
Control/Alarm Output2 (OUT2/EV2)	Relay Contact Output (AC250 V 2.4A Resistance Load) 1a Contact Point					
Sampling Frequency	500mS					
Indication Accuracy (Thermocouple)	The bigger one of $\pm 0.3\%$ of specified value + 1 digit or $\pm 2^{\circ}$ C $\pm 3^{\circ}$ C for $-100-0^{\circ}$ C, $\pm 4^{\circ}$ C for $-200-100^{\circ}$ C, no regulation for 400°C or less of B Thermocouple					
Indication Accuracy (Temp. Measuring Resistor)	The bigger one of $\pm 0.3\%$ of specified value +1 digit or $\pm 0.9^{\circ}$ C					
Indication Accuracy Maintenance Temp. Range	Ambient Temperature: 23±10°C					
Storage Element	EEPROM					
Power Supply Voltage	AC 100–240 V (Allowable voltage change range 85–264 V)					
Power Consumption	10 VA (Max.)					
Mass	150 g or less 380 g or less					
For relay contact of OUT1 EV1 OUT2 EV2, the mechanical life is 5 million times or more, and the electrical life is 100 thousand times or more.						

of OUT1 EV1 OUT2 EV2, the * Refer to the left page for sensor input type and sensor range.



Check out misumiusa.com for the most current pricing and lead time.

9