

MICRO-PROCESSOR PID TEMPERATURE CONTROLLER

微電腦PID溫度控制器

Model 型號		MC-2438	MC-2538	MC-2638	MC-2738	MC-2838	MC-2038
Appearance 產品圖							
Size 尺寸		48 mm x 48 mm	48 mm x 96 mm	96 mm x 48 mm	72 mm x 72 mm	96 mm x 96 mm	90 x 80x40mm
Cut-Out 開孔尺寸		44.5 ^{+0.5} ₋₀ x 44.5 ^{+0.5} ₋₀ mm	44.5 ^{+0.5} ₋₀ x 90.5 ^{+0.5} ₋₀ mm	90.5 ^{+0.5} ₋₀ x 44.5 ^{+0.5} ₋₀ mm	68.5 ^{+0.5} ₋₀ x 68.5 ^{+0.5} ₋₀ mm	90.5 ^{+0.5} ₋₀ x 90.5 ^{+0.5} ₋₀ mm	None
Accuracy 精度		0.2% F.S.					
Control Action 控制方式		PID, P, PI, PD, ON / OFF(P=0)					
Input 輸入	TC 熱電偶	K, J, T, R, E, S, B, N					
	RTD 白金電阻體	DIN PT100Ω , JIS PT100Ω					
	mA DC 電流信號	0~20mA, 4~20mA					
	Voltage DC 電壓信號	0~20mV, 0~50mV, 0~5V, 0~10V, 1~5V, 1~10V, 2~10V					
Output 1 第一組 輸出	Relay 繼電器	SPST Type	SPDT Type	SPDT Type	SPDT Type	SPDT Type	SPST Type
		3A , 250V , electrical life : 100,000 times or more(under the rated load)					
	SSR	ON:24V , OFF:0V , Maximum load current:20mA					
	4~20mA	Maximum load resistance 300Ω					
	0~5V, 0~10V, 1~5V, 2~10V	Maximum load current 20mA					
Alarm 1 第一組警報		SPST Type	SPDT Type	SPDT Type	SPST Type	SPDT Type	SPST Type
		3A , 250V , electrical life : 100,000 times or more(under the rated load)					
Temp. Setting Range 溫度設定範圍		User Selection					
Supply Voltage 電源電壓		AC 85 ~ 265V 50/60Hz, DC 15 ~ 50V					AC 85 ~ 265V 50/60Hz

■ Optional Spec 追加附屬功能規格

Model 型號		MC-2438	MC-2538	MC-2638	MC-2738	MC-2838	MC-2038
Output 2 第二組 輸出	Relay 繼電器	For heating and cooling control use					None
		SPST Type	SPST Type	SPST Type	SPST Type	SPST Type	
		3A , 250V , electrical life : 100,000 times or more(under the rated load)					
	SSR	ON:24V , OFF:0V , Maximum load current:20mA					
	4~20mA	Maximum load resistance 300Ω					
Alarm 2 第二組警報		SPST Type	SPDT Type	SPDT Type	SPDT Type	SPDT Type	SPST Type
		3A , 250V , electrical life : 100,000 times or more(under the rated load)					
Alarm 3 第三組警報		None	SPST Type	SPST Type	SPST Type	SPST Type	None
			3A , 250V , electrical life : 100,000 times or more(under the rated load)				

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Model 型號	MC-2438	MC-2538	MC-2638	MC-2738	MC-2838	MC-2038
Retransmission 傳送輸出	0~20mA(Adjustable), 4~20mA(Adjustable), 0~5V, 0~10V, 1~5V, 2~10V					None
Remote SV Input 遙控輸入	0~20mA, 4~20mA, 0~5V, 0~10V, 1~5V, 2~10V					
Communication 通訊功能	Protocol : Modbus RTU, Master Slave Only for RS485					
	Interface: RS232, RS485					
	Baud rate: 9600, 19200, 38400, 57600, 115200 bps					
	Data bits : 8, Stop bit : 1, Parity : None, Odd, Even					

■ Order Information 訂貨索引

MC - **2 4 3 8** - **1 0 1** - **0 0 1** - **U A**
A B C D E F G H I

MC - 2 0 3 8 - **1** 0 2 - 0 0 **1** - **U** A
B G H

A. Model 型號:

2438
2538
2638
2738
2838

B. Out 1 control output mode (Heating/Cooling)

第一組輸出(加熱或冷卻):

0 - None
1 - Relay contact, SPDT 3A/250VAC
(*MC-2438 & MC-2038: Relay contact, SPST 3A/250VAC)
2 - SSR Voltage pulse, 24VDC/20mA
3 - Current, 4-20mA
4 - Open loop motor valve (3wire)
7 - Close loop motor valve (6wire)
A - 0~5V
B - 0~10V
C - 1~5V
D - 2~10V

C. Out 2 control output mode (Cooling)

第二組輸出(冷卻):

0 - None
1 - Relay contact, SPST 3A/250VAC
2 - SSR Voltage pulse, 24VDC/20mA
3 - Current, 4-20mA
A - 0~5V
B - 0~10V
C - 1~5V
D - 2~10V

D. Alarm警報:

0 - None
1 - 1 set
2 - 2 sets
3 - 3 sets

E. Retransmission 傳送輸出:

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

F. Second Input 遙控輸入:

0 - None
1 - 4~20mA
2 - 0~20mA
3 - CT for heater break alarm
A - 0~5V
B - 0~10V
C - 1~5V
D - 2~10V

G. Communication通訊功能:

0 - None
1 - RS232
2 - RS485

H. Input type 輸入:

U - TC/RTD
A - 4~20mA
B - 0~20mA
C - 0~5V
D - 0~10V
E - 1~5V
F - 2~10V
G - 4~20mA+DC24V
H - 0~20mA+DC24V
I - 0~5V+DC24V
J - 0~10V+DC24V
K - 1~5V+DC24V
L - 2~10V+DC24V

I. Main power 電源電壓:

A - AC 85~265V
D - DC 15~50V