



# Digital Controller

## 溫濕度控制器

**μ-PROCESSOR BASED  
TEMPERATURE  
(PROGRAM) CONTROLLER**

**微電腦溫度/濕度/壓力(程序)控制器**



SIZE 尺寸	48mm x 48mm DIN 1/16	48mm x 96mm DIN 1/8	96mm x 48mm DIN 1/8	72mm x 72mm	96mm x 96mm DIN 1/4
MODEL 型號	MS10N	MS40N	MS41N	MS70N	MS90N
OUTLINE DIMENSION 外觀尺寸	W50 x H53 x D97mm	W48 x H99 x D97mm	W99 x H50 x D97mm	W72 x H77 x D97mm	W96 x H99 x D97mm
DISPLAY ACCURACY 顯示精度	± 0.3 % OF FULL SCALE + 1 DIGIT				
INPUT 輸入信號	THERMO-COUPLE(K,J,R,S,B,E,N,T,W,PLII,U,L) RTD(DIN/JIS PT100, JPT100, JPT50), mA(0~20mA, 4~20mADC), mV(0~10mV, 0~1V, 0~10VDC)				
OUTPUT 輸出信號	RELAY CONTACT, SSR DRIVE, DC24V, DC4~20mA, DC0~10V, MODULE CHANGEABLE				
CONTROL ACTION 控制方式	ON-OFF, P, PD, PI, PID, FUZZY, AUTO TUNNING .				
ALARM 警報	1 SET(STANDARD) 2SETS(OPTION)				1 SET(STANDARD) 3SETS(OPTION)
POWER SUPPLY 工作電壓	AC 100V TO 240V, 50/60Hz				
POWER CONSUMPTION 消耗電力	ABOUT 4VA				
AUX. OUTPUT 傳送輸出	TRANSMITTER (DC4~20mA/DC0~10V for Full Range)				
SAMPLING TIME 取樣時間	250 ms				
COMMUNICATION 通訊介面	RS232/RS485				
PANEL CUT-OUT 挖孔尺寸	44.5mm x 44.5mm	44.5mm x 90.5mm	90.5mm x 44.5mm	68.5mm x 68.5mm	90.5mm x 90.5mm
PROGRAMMER 程序控制器	PMS10N	PMS40N	PMS41N	PMS70N	PMS90N
PATTERNS & STEPS	2 PATTERNS ( 8 SEGMENTS / PATTERN )				
ALARM 警報	1 SET(STANDARD) 2SETS(OPTION)				1 SET(STANDARD) 3SETS(OPTION)



### 訂貨索引表 Order Index

外形尺寸	型名	第一組輸出		第二組輸出		警報輸出		傳送輸出		遙控輸入		通訊		輸入類型		主電源		防水防塵	
Size	Type	Out 1		Out 2		Alarm		Transmitter		Remote SV		Communication		Input Type		Power		IP	
	PMS10N MS 10N	— 1		0		1		0		0		0		— 02		A			
般表	48x48 MS10N	0	None	0	None	0	None	0	None	0	None	0	None	See Table	A	AC100-240V	N	None	
	48x96 MS40N	1	Relay	1	Relay	1	One set	1	4~20mA	1	4~20mA	1	RS232		D	DC24V	W	IP 65	
	72x72 MS70N	2	SSR Drive	2	SSR Drive	2	Two set	2	0~20mA	2	0~20mA	2	RS485						
	96x48 MS41N	3	4~20mA	3	4~20mA	3	Three set	A	0~5V	A	0~5V	3	TTL						
	96x96 MS90N	4	0~20mA	4	0~20mA	(P)MS10N系列 無Alarm 3 功能		B	0~10V	B	0~10V	A	RS232_Modbus						
可程式表	48x48 PMS10N	5	1P SSR	A	0~5V			C	1~5V	C	1~5V	B	RS485_Modbus						
	48x96 PMS40N	6	3P SSR	B	0~10V	A	HBA	D	2~10V	D	2~10V								
	72x72 PMS70N	7	Proportional Motor	C	1~5V	B	HBA+AL2	E	0~1V	E	0~1V								
	96x48 PMS41N	8	1P SCR	D	2~10V	C	HBA+AL2+AL3					(P)MS10N系列 無Remote SV							
	96x96 PMS90N	9	3P SCR																
		A	0~5V																
		B	0~10V																
		C	1~5V																
		D	2~10V																

訂貨例1: 一般表48x48(MS10N) 第1組輸出為Relay, 1組警報, 熱電偶K2輸入, AC電源 MS10N-101000-02-A

訂貨例2: 程式表96x96 第1組 / 第2組輸出為Relay, 2組警報, RS232通訊, RTD測溫電阻DP2輸入, AC電源 PMS90N-112001-48-A

註1: 若客戶未指定輸入類型, 出廠值預設為TC熱電偶"K2"。

註2: 使用TC熱電偶為輸入類型, 客戶亦可在購入後, 經由面板按鍵, 自行更改輸入類型。

註3: 若欲自行更改TC→RTD輸入信號, 請參考使用手冊作硬體及輸入類型變更(PC板局部焊點短路)。

註4: 輸入為AN類比信號, 請訂購時指定。

Order Ex.1: General form 48x48(MS10N) OutPut 1: Relay, Alarm: 1 set, InPut: T/C K2, Power: AC MS10N-101000-02-A

Order Ex. 2: Program form 96x96 OutPut 1 & 2: Relay, Alarm: 2 sets, RS232 Communication, InPut: RTD DP2, Power: AC PMS90N-112001-48-A

Note 1: If customer doesn't select the input type, factory value is set as T/C "K2"

Note 2: Use T/C as input type, customer may also change the input type by himself through panel key after purchase.

Note 3: To change input: T/C→RTD, please refer to instruction manual for hardware and input type changes (Local solder point short circuit of PC board).

Note 4: If input: Analog signal, please specify during purchase.

### 盤面開孔及外形尺寸 Panel Cutout & Dimension

Model	A	B	C	D	E	F	G	H	I
(P)MS10N	44.5+0.5	44.5+0.5	65	70	50	50	80	17	97
(P)MS40N	44.5+0.5	90.5+0.5	111	116	50	96	80	17	97
(P)MS70N	68.5+0.5	68.5+0.5	89	94	74	74	80	17	97
(P)MS41N	90.5+0.5	44.5+0.5	65	70	96	50	80	17	97
(P)MS90N	90.5+0.5	90.5+0.5	111	116	96	96	80	17	97

