

5位數微電腦型高速計數器(48x48mm)

(5 DIGIT HIGH SPEED MICROPROCESS COUNTER,48X48mm)

MODEL
MC48



■特點(FEATURES)

- 最高輸入頻率50KHz(Accepts input rates up to 50KHz)
- 計數速度50/50000 脈波/秒可選擇(Accept input rates 50 or 50000 CPS can be modified)
- 七種輸入模式可選擇(前/後緣觸發加算,前/後緣觸發減算,加減算,方向性加減算,90度相位差加減算)(Seven counting modes Front/after edge-up,Front/after edge-down,up/down,direct-up/down, quadrature-up/down can be modified)
- 90度相位差加減算具有提高解析度4倍功能(Quadrature sensing up to 4 times resolution)
- 輸入脈波具有預設刻度0.0001至9.9999功能(Input scaling multiplied 0.0001 to 9.9999 can be modified)
- 七種警報輸出模式(N/F/R/Q/C/P/K)可選擇(Seven output mode N/F/R/Q/C/P/K can be modified)
- 2組警報功能(Two alarm function)(optional)
- 16 BIT 類比輸出功能(16 bit DAC analog output function)(optional)
- 數位RS-485界面(Digit RS-485 interface function)(optional)
- 防護等級NEMA4/IP65(Protection class NEMA4/IP65)

1.MODEL:MC48-☐☐☐☐☐☐☐☐☐☐ (選購型號)

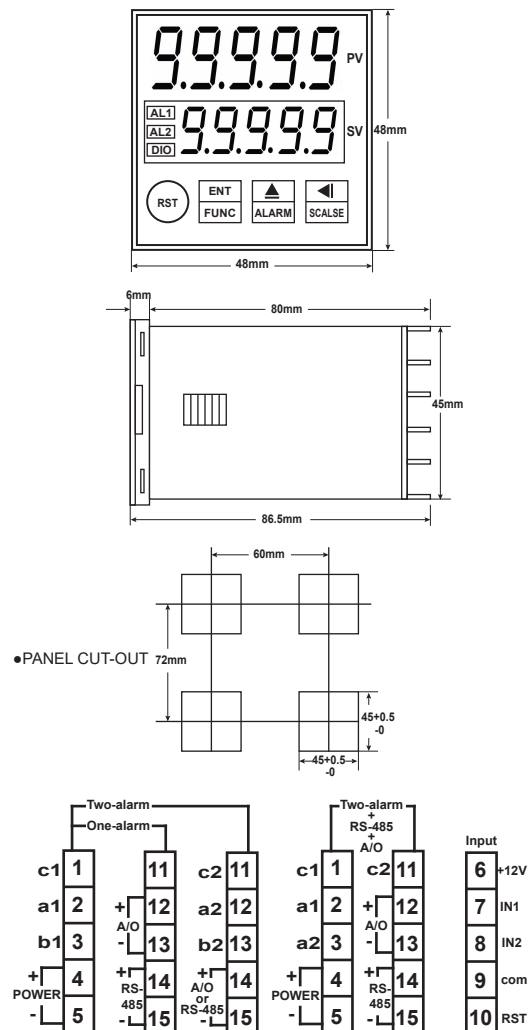
NO	Input Type/Exciting Voltage	NO	Input rates	NO	Alarm Output	NO	Alarm Output	NO	Analog output	NO	RS-485	NO	Aux.Power
A	Pulse (PNP)(5V)	1	50 Pulse/Sec	0	None	3	One(Transistor NPN)	N	None	N	None	A	AC/DC18~60V
B	Pulse(NPN)(12V)	2	50000 Pulse/Sec	1	One(Relay)	4	Two(Transistor PNP)	I	DC4~20mA	Y	RS-485	B	AC/DC90~260V
C	Pulse(PNP)(12V)	•1:Contact input	2	Two(Relay)	•Max.DC30V/40mA	V	DC0~10V	•Modbus mode	•Less 3VA for AC/DC input				
O	SPECIFIED	•2:Non-contact input	•Relay contact(AC250V-5A,DC30V-5A)	R	SPECIFIED	•256 nodes on bus							

2.SPECIFICATION(主要規格)

- Count input type (脈波輸入型式): Jump-pin selectable current sourcing(NPN) or current sinking(PNP)
- Count input trigger levels (脈波觸發電位): High level: $V_{IH}=DC4\sim30V$ (Pulse)
Low level: $V_{IL}=DC0\sim2V$ (Pulse)
- Maximum.count rates (最高輸入頻率): <50KHz(up,down,up/down,direct-up/down mode)
<25KHz(quadrature-up/down mode)
- Readout range (顯示值範圍): -19999~99999 digit adjustable
- Output hold/one-short time :0 to 99.9 second adjustable (輸出動作/單觸發時間)
- Alarm output responses time:<10ms(relay output) (警報輸出反應時間)
<0.5ms(transistor output)
- Relay contact output :AC250V-5A,DC30V-5A (繼電器容量)
- Transistor output type (電晶體輸出型式): Photo couple of open-collector (Max.DC30V/40mA)
- Analog output resolution (類比輸出解析度): 16 bit DAC(Isolating)
- Response time (輸出反應速度): <1/f+10ms(0~90%)
- Output drive capability (輸出負載能力): <10mA for voltage mode
<10V for current mode
- Output ripple(p-p) (輸出之漣波): 0.1%F.S.
- RS-485 address (通訊位址): "01"~"FF"(0~255)
- RS-485 baud rate (傳輸速度): 19200/9600/4800/2400 selective
- RS-485 protocol (通信協議): Modbus RTU mode
- Display (顯示幕): Red high efficiency LEDs high 10.16mm(0.4") (PV)
Red high efficiency LEDs high 7.00mm(0.28") (SV)
- Parameter setting (參數設定方式): Touch switches
- Sensor power supply (感應器電源): 5Vdc $\pm 3\%$ (<60mA)
12Vdc $\pm 3\%$ (<60mA)
- Memory mode (記憶型式): Non-volatile E²PROM memory
- Dielectric strength (絕緣耐壓能力): 2KVac/1 min.(input/output/power)
1600Vdc(input/output)
- Operating condition (使用環境條件): 0~50°C (20 to 90% RH non-condensed)
- Storage condition (存放環境條件): 0~70°C (20 to 90% RH non-condensed)
- CE EMC Certification (CE 認證): EN 55022:1998/A1:2000 Class A
EN 61000-3-2:2000
EN 61000-3-3:1995/A1:2001
EN55024:1998/A1:2001

3.OUTSIDE DIMENSION AND CONNECTION DIAGRAM

(外型尺寸與開孔尺寸與配線圖)



- Relay output [com,a(N.O.),b(N.C.)]
- Transistor NPN output[C(+)=c,E(-)=a]
- Two function output (A/O+RS-485) and two alarm relay output only [com.a(N.O.)]