

微電腦型超快速長度, 角度計數顯示控制器 (48x96mm)

(ULTRA HIGH SPEED MICROPROCESS LENGTH, ANGLE CONTROLLER COUNTER, 48X96mm)

**MODEL
MCHH**



■特點(FEATURES)

- 最高輸入頻率500KHz(Accepts input rates up to 500KHz)
- 顯示範圍-999999至999999位數(Readout range form -999999 to 999999 digit)
- 正常計數與360度旋轉角度計數可任意設定
(Normal counting and rotate for 360 degree counting 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0.00001至9.99999功能
(Input scaling multiplied 0.00001 to 9.99999 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)

1. MODEL: MCHH-□ □ □ □
(選購型號)

| NO | Input Type(Exciting Voltage) | NO | Alarm output | NO | Analog output | NO | RS-485 | NO | Aux.Power |
|----|------------------------------|----|---------------------|----|--|----|-------------------|----|---------------------------|
| A | Pulse (PNP)(5V) | 0 | None | N | None | N | None | A | AC/DC18-60V |
| B | Pulse(NPN)(12V) | 1 | One(Relay) | I | DC4~20mA | Y | RS-485 | B | AC/DC90~260V |
| C | Pulse(PNP)(12V) | 2 | Two(Relay) | V | DC0~10V | | •Modbus mode | | •Less 4VA for AC/DC input |
| O | SPECIFIED | 3 | One(Transistor NPN) | R | SPECIFIED | | •256 nodes on bus | | |
| | | 4 | Two(Transistor NPN) | T | •DC4~20mA(Two-wire transmitter (Exciting voltage DC10~36V) | | | | |

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) : <500KHz(Only quadrature-up/down input)
- Readout (compare)rang (顯示比較值範圍) : -999999 to 999999 digit adjustable(Normal-type)
0.000 to 359.999 digit adjustable(Rotate-type)
- Alarm action (警報動作方向) : HI or Lo adjustable
- Alarm output responses time(警報輸出反應時間) : <10ms(Relay output)
<0.5ms(Transistor output)
- Relay contact output (繼電器容量) : AC250V-5A, DC30V-5A
- 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
<[(V+)-7.5V]/20mA for two-wire 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) : 38400/19200/9600/4800/2400 selective
- Display (顯示幕) : Red high efficiency LEDs high 14.22mm(0.56")
- Sensor power supply (感應器電源) : 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
EN 55024:1998/A1:2001

3. OUTSIDE DIMENSION AND CONNECTION DIAGRAM (外型尺寸與開孔尺寸與配線圖)

