

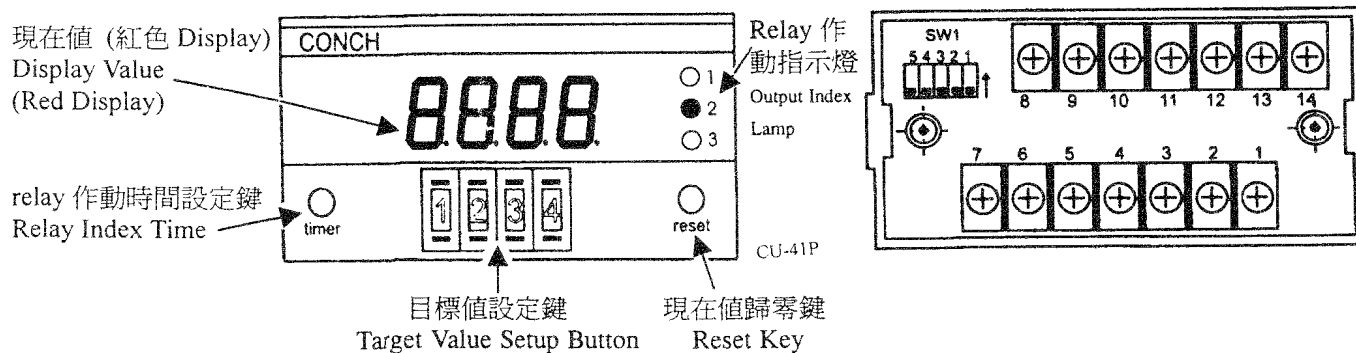
總數及一段設定型計數器

TOTAL COUNTER & 1 PRESET COUNTER

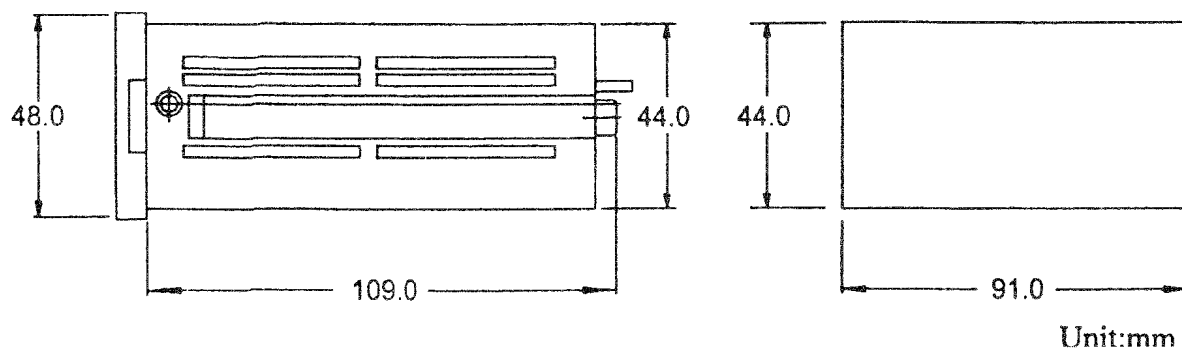
產品規格 Specification

型 號 Item No	4 位數(CU-4P)4 digit	6 位數(CU-6P) 6 digit	4 位數(CU-40) 4 digit	6 位數(CU-60) 6 digit
字型尺寸 Character Height	LED 0.56"			
入力速度 Input Signal Mode	有接點輸入 Contact input:25Hz		無接點輸入 non-contact input:1KHz	
入力準位 Input Level	NPN,open collector			
入力型式 Input Mode	加算,加減算、90° 相位差 Addition,Addition/subtraction,Quadrature			
停電記憶 Power Failure Memory	EEPOM 記憶資料保持十年不變 EEPROM keep ten years			
記憶範圍 Memory Range	-999~9999	-99999~999999	-999~9999	-99999~999999
設定範圍 Setting Range	1~9999	1~999999		
輸出方式 Output System	Relay output (250V,5A max)			
輸出時間 Output Hold Time	0.1~9.9 seconds(Variable)			
消耗功率 Power Consumption	5.5VA	6VA	5.5VA	6VA
電源電壓 Power Supply	AC 110V/220V± 15% 50Hz/60Hz			
耐溫濕度 Operating Temperature Humidity	-10℃~+50℃ 45%~85% RH			
尺寸規格 External Dimensions	96mm× 48mm× 110mm(開孔尺寸 Mounting flush dimension:92mm× 45mm)			

外觀圖 Appearance



尺寸圖 Dimension Diagram



使用前調整：(Adjust before using)

1. 輸出保持時間(output hold time)

任何時機下，按一下“timer”按鍵，此時顯示字幕將切換顯示上次設定的時間值，小數點閃爍。再按住“timer”鍵不放，時間值由慢變快往上遞增，放開按鍵約 2 秒後顯示恢復計數狀態，設定完成。

When we press down the “timer” button at any time, the display screen will change to the time value which we had set last time, and then the display number sparkles. If we keep pressing the “timer” button, the time value will increase. Setting succeed and the display screen return to the count mode as we release the button and wait for 2 seconds.

2. 入力速度限制(Hi-Lo speed)

若輸入信號利用磁簧開關，繼電器等接點，爲防止彈跳誤動作必須將 SW1-1 置於 ON(上方),若爲無接點信號 SW1-1 置於 OFF(下方)。

If we utilize the device with contact, such as magnistor and relay, to prevent error operation, switch 1-1 must be at the upper position(ON).

On the other hand, if we adopt no contact input signal, then the switch 1-1 should be at the lower position.

3. 加算,加減算設定：(the setting of addition, addition/subtraction)

(1) SW1-2 位於下方(OFF)時,計數器爲單相輸入，接腳 9 爲加算輸入，接腳 11 爲減算輸入。

When switch 1-2 is at the lower position (OFF), the counter is single input where terminal 9 is addition input and terminal 11 is subtraction input.

(2) SW1-2 位於上方(ON)時,計數器爲雙相 90° 相位差輸入加減算,接腳 9 爲 A 信號，接腳 11 爲 B 信號。

When switch 1-2 is at the upper position(ON), the counter is two phase quadrature addition/subtraction where terminal 9 is A signal and terminal 11 is B signal.

※注意:若改變加算，加減算功能時，電源必須重開才生效。

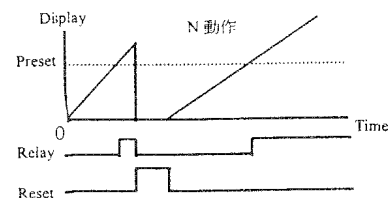
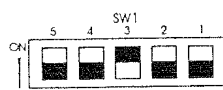
Note: The power should reboot when change the function setup.

特性說明(Characteristic explanation)

二、SW2:N.R.C.

1. § N:手動(MANUAL),SW1-3 ON

計數值等於設定值時 RELAY ON；
計數繼續上數直到手動或外部復歸，
RELAY 才 OFF,計數值歸零。

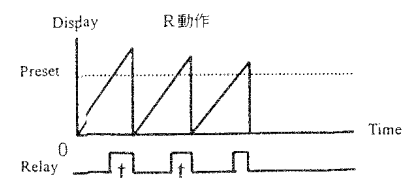


N position: Manual reset

When counter reaches the preset value, relay contact turns on and counter keeps counting up. The counter display will return to zero only when we press down the “RESET” button on the counter panel or connect with terminal 10 & 12.

2. § R:回歸(RETURN),SW1-4 ON

計數值等於設定值時 RELAY ON,計數繼續上數，待 T 時間後(面板 Timer 調整)RELAY
Return(復歸)計數值歸零。

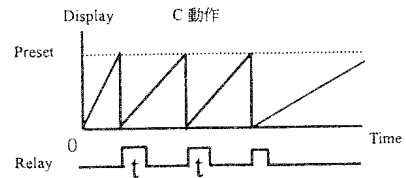
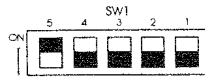


R position: reset automatically

When counter reaches the preset value, the relay will excite (relay contact turns on), and counter keeps counting up. After 0.1~9.9 seconds adjusting from the timer panel), the relay returns to low level and display returns to zero automatically.

3. § C:繼續(CONTINUE), SW1-5 ON

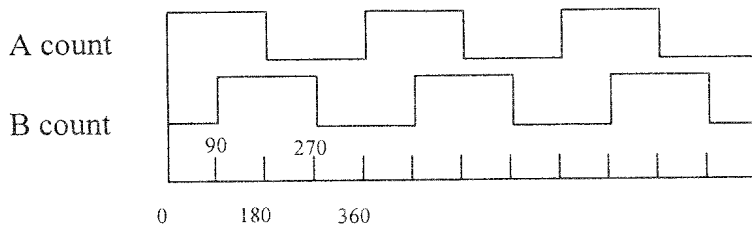
計數值等於設定值時 RELAY ON ,
計數值立即歸零後,再繼續上數。
待 T 時間後 RELAY 才會 OFF。



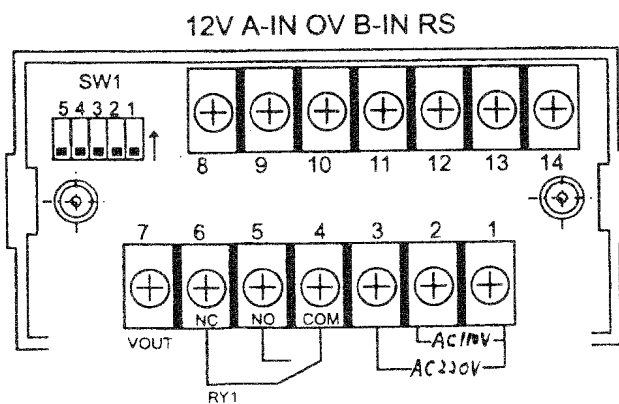
C position: automatically instant reset

This reset mode also can be called as one-shot output function. When counter reaches preset value, the relay will turn on and display returns to zero at once and then display continues to count. The relay contact controlled by the Timer panel will return to low level after 0.1~9.9 seconds.

加減算時序圖 Addition/subtraction timing chart



端子接腳圖 Terminal Connections



※1.在第 8 腳,10 腳為 DC12V 的輔助電源

As in terminal 8 & 10, it will be the auxiliary power of DC12V.

2.第 12 腳為現在值外部歸零

As in terminal 12, it can make the present value return to zero.

3.Vout: NPN 電壓出力，可直接驅動 SSR……。

NPN voltage output can drive "SSR" directly……。

