

按鍵設定計數器

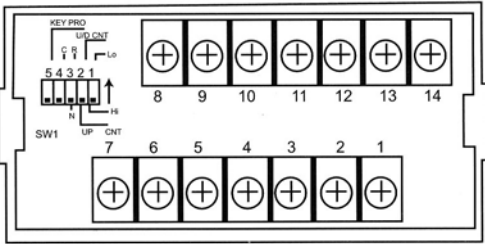
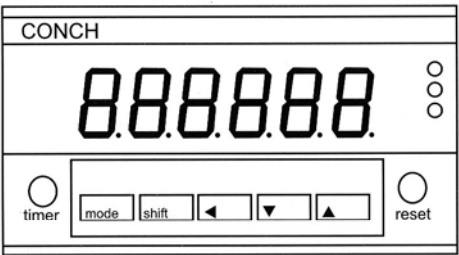
KEYBOARD SETUP COUNTER



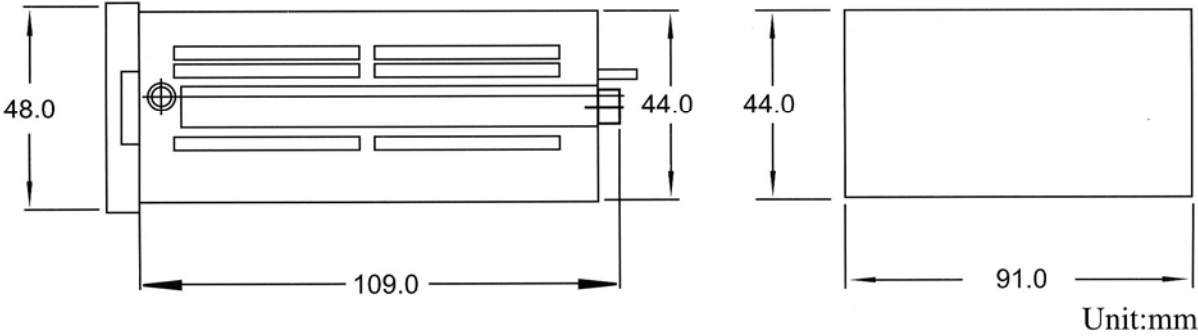
產品規格 Specification

型 號 Item No	6位數(CU-60K,CU-61K,CU-62K,CU-63KC) 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	-99999~999999	
設定範圍 Setting Range	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	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. 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,為了防止彈跳誤動作必須將SW1-1置於ON(上方),
若為無接點信號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 use the no contact input signal, then the switch 1-1 should be at the lower position(OFF).

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

(1) SW1-2位於下方(OFF)時,計數器為單相輸入,接腳9為加算輸入,接腳11為減算輸入。

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

(2) SW1-2位於上方(ON)時,計數器為雙相90°相位差輸入加減算,接腳9為A信號接腳11為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.

3. 輸出動作:(Output operation)

SW1-3,SW1-4:N.R.C.動作(Operation of N.R.C.)

SW1-5:按鍵保護(當SW1-5 ON時,SCL與PONT功能失效)

Keyboard protected (When SW1-5 is on the upper position, the function of SCL&PONT will lose the efficiency.)

4. 按鍵設定:(Keyboard setting)

mode:選擇設定類別(select the kinds of setting)

(1) PS-1:第一段設定(the first setting)

(2) PS-2:第二段設定(the second setting)

(3) SCL:倍率設定(percentage setup)

(4) PONT: 小數點位置設定(decimal point setup)

Shift:顯示設定類別之設定值或結束設定(It displays the kind of setting or end setting.)

◀:設定時位數左移鍵(when we press it down, the decimal point shift left.)

▼:位數減1,按住不放連續遞減。(When we press it down, the counter display subtract one. And if we keep up pressing, the value will decrease continuously.)

▲:位數加1,按住不放連續遞增。(When we press it down, the counter display add one. And if we keep up pressing, the value will decrease continuously.)

SW1-3	SW1-4	動作 OPERATION
OFF	OFF	N
ON	OFF	R
OFF	ON	C

◎二段單獨設定型(CU-62K)

2 step single setup mode

設定類別 Setup Kind	二段設定方法(Operation of 2 step type)
第一段設定值 The First Step Preset Value	mode ⇒ shift ⇒ ▲ ⇒ ▼ ⇒ ▲ ○○○○○○○○ ⇒ shift PS-1 ⇒ 654321 ⇒ (設定內值)
第二段設定值 The Second Step Preset Value	mode ⇒ mode ⇒ shift ⇒ ▲ ⇒ ▼ ⇒ ▲ ○○○○○○○○ ⇒ shift PS-1 ⇒ PS-2 ⇒ 654321 ⇒ (設定內值)
倍率設定 Percentage Setup	mode ⇒ mode ⇒ mode ⇒ shift ⇒ ▲ ⇒ ▼ ⇒ ▲ ○○○○○○○○ ⇒ shift PS-1 ⇒ PS-2 ⇒ SCL ⇒ 01.0000
小數點設定 Decimal Point Setup	mode ⇒ mode ⇒ mode ⇒ mode ⇒ shift ⇒ ▲ ○○○○ shift PS-1 ⇒ PS-2 ⇒ SCL ⇒ PONT ⇒ 0 ⇒ 0.0 ⇒ ○○○○

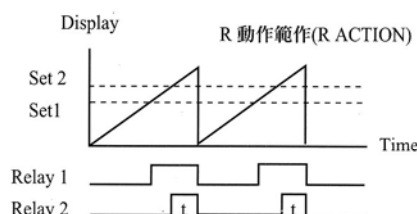
設定類別 Setup Kind	一、三段設定方法(Operation of 1 step & Hi-Lo-Go setup type)
設定值 Setup Value	mode ⇒ shift ⇒ ⇒ ⇒ ○○○○○○○○ ⇒ shift PS-2 ⇒ 654321 ⇒ (設定內值)
倍率設定 Percentage Setup	mode ⇒ mode ⇒ shift ⇒ ⇒ ⇒ ○○○○○○○○ ⇒ shift PS-2 ⇒ SCL ⇒ 01.0000 ⇒ (設定內值)
小數點設定 Decimal Point Setup	mode ⇒ mode ⇒ mode ⇒ shift ⇒ ⇒ ○○○○○○○○ ⇒ shift PS-2 ⇒ SCL ⇒ PONT ⇒ 0 ⇒ 0.0 ⇒ ○○○○○○

※ 註:當SW1-5為ON時,倍率及小數點均無法設定

PS: When SW1-5 is at the "ON" position, the function of percentage and decimal point can't be set..

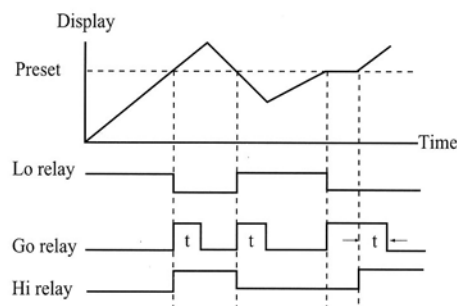
特性說明(Characteristic explanation)

- 二段單獨設定輸出:(CU-62K)如右時序圖有N.R.C.動作,計數值 $\geq$ 第一段設定值時Relay 1 ON,計數值 $\geq$ 第二段設定值Relay 2 ON, N.R.C.動作後一起釋放。



2 step independant output: CU-62KA

When the counter display is equal to or larger than the first preset value, relay 1 contact turns on. When the counter display is equal to or larger than the second preset value, relay 2 contact turns on and then the operation of N.R.C. work together.



2. Hi-Lo-Go 追蹤器:CU-43KC,CU-63KC如右之時序圖。

當計數值 $<$ 設定值時,Lo-relay ON

當計數值 $=$ 設定值時Go-relay ON

當計數值 $>$ 設定值時Hi-relay ON

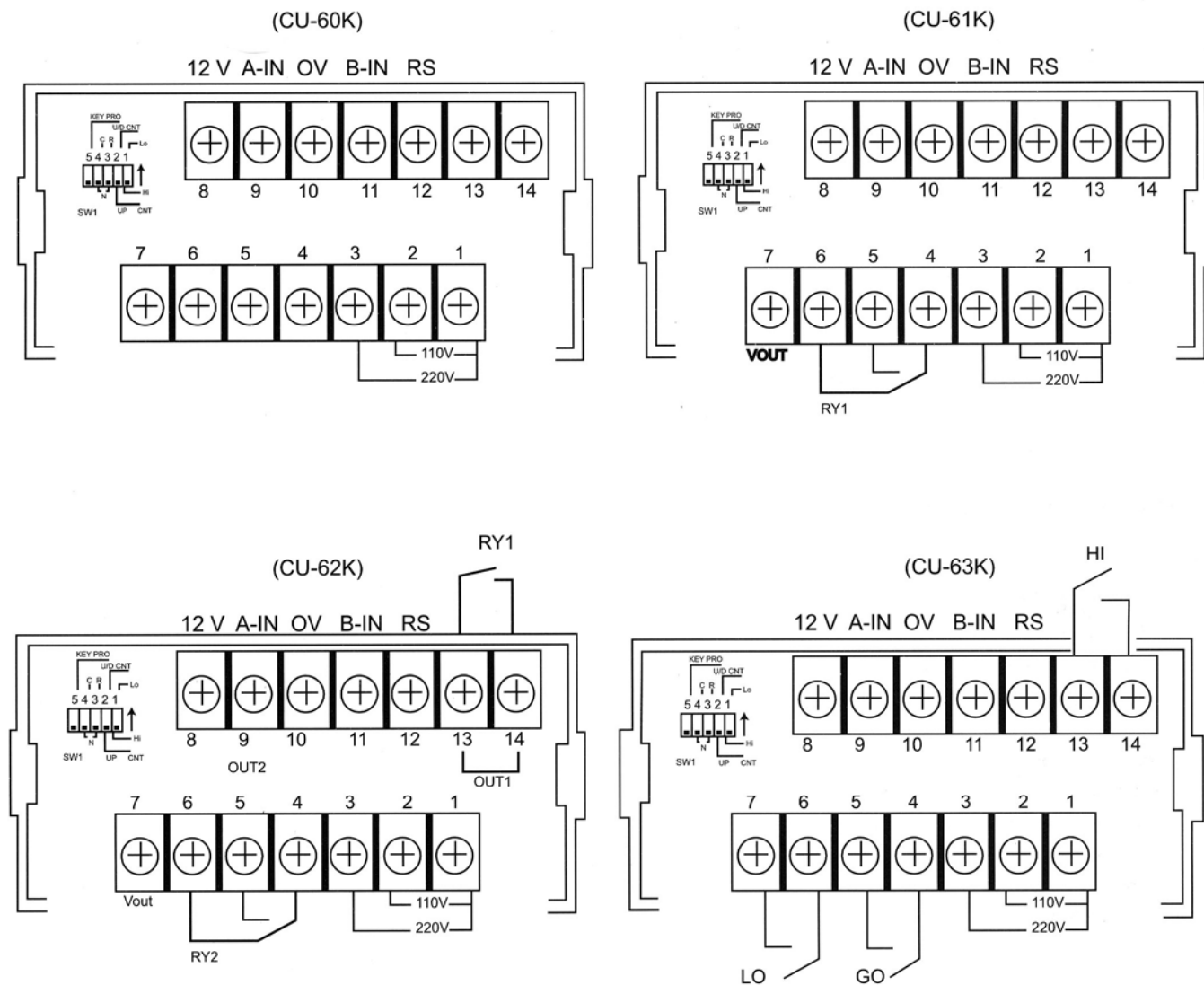
當Go已輸出且計數值 $\neq$ 設定值時,Go輸出將延遲後再OFF,輸出延遲時間由面板timer決定。

Hi-Lo-Go tracer: The timing Chart of CU-43KC and CU-63KC illustrates at the above.

When the counter display is larger than the preset value, Hi-relay turns on.

When the counter display is equal to the preset value, Go-relay turns on. When the counter display is less than the preset value, low-relay turns on. As "Go" has output and the counter display is not equal to the preset value, the "Go" output will delay T seconds and then turns off. The delay time is decided by "Time" button at the front panel.

3. 端子接腳圖Terminal Connections



Vout: NPN電壓出力,可直接驅動SSR……。

Vout: NPN voltage output can drive "SSR...etc" directly.

