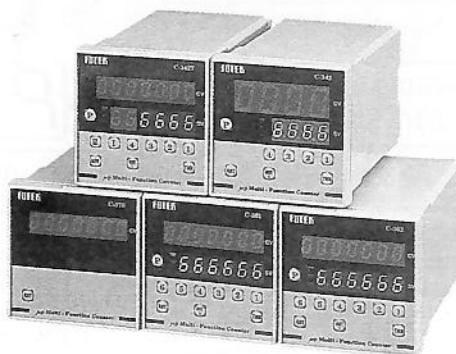


C-3X DIN 72 X 72 series μ P Multi-Function Up / Down Counter

- * Micro - Processor μ < P > Based.
- * Memory Method : EEPROM.
- * High Response Frequency : 5 KHZ
- * High Reliability With Hi - Anti - Noise Circuit.
- * Easy To Test With Input LED.
- * Easy to Monitor With 0.56" LED Display.
- * Two Phase Reversible Counter or Single Input Additional Counter.
- * Wide Range of Operating Voltage 90~250 VAC , 50/60Hz
- * Divisor Range : 1 ~ 9999
Multiplier Range : 0.001 ~ 9.999
- * One Decimal Point Available ,
Accept Order To Manufacture.



General Specification

Type	Single Preset		Dual Preset		Total & Preset	
	C-341	C-361	C-342	C-362	C-3617	C-3427
Power Supply	9~250 VAC , 50/60HZ					
DC Power Output	12VDC/60mA max.					
Memory Method	EEPROM					
Dielectric Strength	Over 2.5KV/1min. <Between Power and Each Terminal >					
Isolation Strength	Over 50M Ω /500VDC , <Between Power and Each Terminal >					
Operating Temp./Hum	-20°C ~ +60°C ; 35% ~ 85%					
Response Frequency	High Speed > 5K CPS ; Low Speed > 100CPS					
Count Input	Negative Logic ; L < 2V ; High > 6V					
Reset Input	Negative Logic ; L < 2V ; High > 6V					
Output Status	One Relay		Two Relay		One Relay	Two Relay
Output Control	N/R/C or Comparison Selectable					
Timer	Time Preset of Auto Reset , Range : 0.01s~99.99s					
Divisor / Multiplier	Range of Divisor : 1~9999 , Range of Multiplier : 0.001~9.999					
Outline	DIN 72 X 72 , Fixed Hole : 68 X 68mm X mm					
Output Method	Single Preset : CV \geq PV \rightarrow Relay I ON Dual Preset : C \geq PV ₁ \rightarrow Relay I ON , CV \geq PV ₂ \rightarrow Relay II ON					

Function of Select Switch

Rotary Switch < RS >

NO.	Type of Counter	Method of Counting
0	Single Preset Up/Down Counter 一段設定加減算計數器	Two Phase Reversible Counter 二相加減算
1	Dual Preset Up/Down Counter 二段設定加減算計數器	Two Phase Reversible Counter 二相加減算
2	Total & Single Preset Addition Counter 總數 + 一段計數器	Single Phase Addition Counter 單相加算
3	Total & Dual Preset Addition Counter 總數 + 二段計數器	Single Phase Addition Counter 單相加算

DIP Switch < Inner PCB > < SW I >

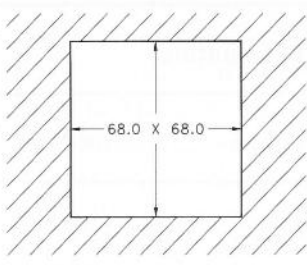
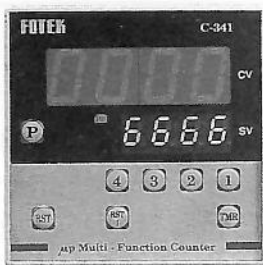

NO.	Function
1	ON : SV < D > for Setting of Divisor. < Range From 1 To 9999 > or Multiplier < Range From 0.001 To 9.999 > After Setting , Please Set It To OFF Position.
2	ON : 4 digits ; OFF : 6 digits
3	ON : Multiplier ; OFF : Divisor
4	ON : Hi/Go/Lo Control Output ; OFF : N/R/C Control Output

A/B Slide Switch < Response Time Selected > < SW II >

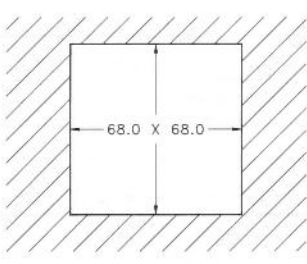

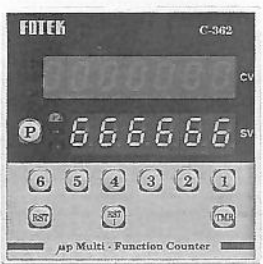
Counting	Lo → Hi	L < 2V , 6V < Hi < 30VDC
Mode "A"	5K CPS,	Cycle Duty Ratio 1 : 1 , Suited for Solid State Input Such as Transistor or CMOS IC.
Mode "B"	100 CPS,	Response Time 15ms , Suited for Contact Input Such as Limit Sw , Relay or Reed Sw , Etc.

C-3X series μ P DIN 72 X 72 Multi-Function Up / Down Counter

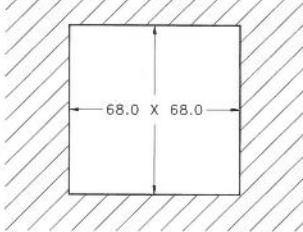

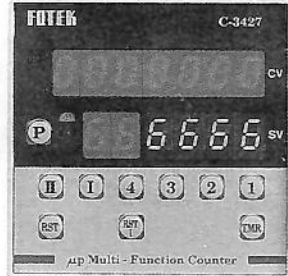
Single Preset Counter

Model	C-341	C-361
		
Digits of Counting	4 Digits	7 Digits
Digits of Setting	4 Digits	6 Digits
Display Method	Counting : 0.56" Red LED Setting : 0.36" Green LED	Counting : 0.36" Red LED Setting : 0.36" Green LED
Counting Method	Addition , Two phase Reversible Counter	
Output Method	One Relay	
Output Control	N/R/C or Comparison	
Weight	Appr.385g	Appr.385g

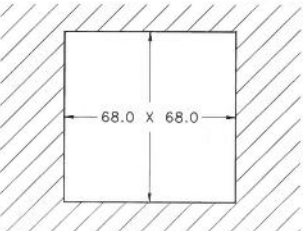

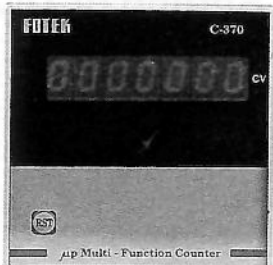
Dual Preset Counter

Model	C-342	C-362
		
Digits of Counting	4 Digits	7 Digits
Digits of Setting	4 Digits	6 Digits
Display Method	Counting : 0.56" Red LED Setting : 0.36" Green LED	Counting : 0.36" Red LED Setting : 0.36" Green LED
Counting Method	Addition , Two phase Reversible Counter	
Output Method	Two Relay	
Output Control	N/R/C or Comparison	
Weight	Appr.390g	Appr.390g

■ Total & Preset Counter

Model	C-3617	C-3427
		
Type	Total & Single Preset	Total & Dual Preset
Digits of Total Counter	7 Digits	7 Digits
Digits of Setting	6 Digits	Main Setting : 4 Digits Presetting : 2 Digits
Display Method	Counting : 0.56" Red LED Setting : 0.36" Green LED	Counting : 0.36" Red LED Setting : 0.36" Green LED
Counting Method	Addition	
Output Control	N/R/C or Comparison	
Output Method	One Relay	Two Relay
Weight	Appr.385g	Appr.390g

■ Total Counter

Model	C-340	C-370
		
Digits of Counting	4 Digits	7 Digits
Display Method	Counting : 0.56" Red LED	Counting : 0.36" Red LED
Counting Method	Addition , Two phase Reversible Counter	
Weight	Appr.360g	Appr.370g

■ Function of Key

P Selection of Setting Address

Single Preset : P1/1st Setting , P2/2nd Setting
 Dual Preset :
 Total & Preset : P/Setting Value , D/Counting Value of Preset Counter

TMR Setting of Output Delay Time

Depress The TMR Key To Display The Value of Timer < Delay Time > < SV >
 Changed By The Numerical Key . < Range : 0.01s~ 99.99s >

RST Reset Total Counter

Depress The RST Key To Reset The Counting Value to Zero.

RST Reset of Preset Counter

Depress The Key To Reset The Value of Preset Counter. < Total & Preset Type >

1 2 3 4 5 6 Preset of Setting Value < Numerical Type >

- 1st Digit Setting Key.
- 2st Digit Setting Key.
- 3rd Digit Setting Key.
- 4th Digit Setting Key.
- 5th Digit Setting Key.
- 6th Digit Setting Key.

Note :

P , P1 , P2 , D are LED of Address.

■ Setting of Divisor or Multiplier 除數或乘數設定

Divisor : SW I -3 Set To OFF Position . < Range : 1~9999 >

Multiplier : SW I -3 Set To ON Position . < Range : 0.001~9.999 >

Set The SW I -1 To ON Position , The Display < SV > Will Display The Value of Divisor or Multiplier Which May Be Set By The Numerical Key.

After Finishing Setting , Please Set SW I -1 To OFF Position.

除法器：SW I -3 設定在 OFF 位置，範圍：1~9999

乘法器：SW I -3 設定在 ON 位置，範圍：0.001~9.999

SW I -1 設至 ON 位置，顯示器 < SV > 將顯示除數或乘數的設定值，可由數字鍵設定。完成設定後，務必將 SW I -1 切回 OFF 的位置。

■ Illumination

C-3427

Display 顯示值

CV : Total Counter 總數計數器
 SV : Preset Counter 設定計數器
 SV1 : Main Setting Value or Counting Value of Preset Counter 主設定值或設定計數器計數值
 SV2 : Preset Value 預報設定值

LED 指示燈

P : SV Displays The Setting Value of Preset Counter
 SV 值是顯示設定計數器的設定值
D : SV Displays The Counting Value of Preset Counter
 SV 值是顯示設定計數器的計數值
OP1 : OP1 LED ON When Relay I ON
OP2 : OP2 LED ON When Relay II ON

Key 按鍵

P : Selecting of Preset Value or Counting Value of The Preset Counter. 設定計數器的設定值或計數值的選擇鍵

II **I** : Setting of Preset Value . < SV2 > 預報值設定鍵

4 **3** **2** **1** : Setting of Main Setting Value . < SV1 > 主設定值設定鍵

RST : Reset of Total Counter. 總數計數器歸零鍵

RST : Reset of Preset Counter. 設定計數器歸零鍵

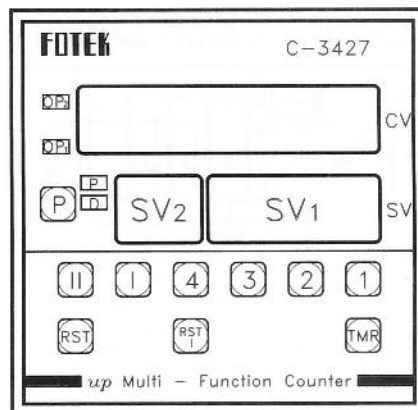
TMR : Setting of Output Delay Time. 輸出延遲時間設定鍵

Control Output 輸出控制

$CV \geq < SV1 - SV2 > \rightarrow$ Relay I ON

$CV \geq SV1 \rightarrow$ Relay II ON

Controlled by N/R/C Control Selectable .



C-3617

Display 顯示值

CV : Total Counter 總數計數器
 SV : Preset Counter 設定計數器
 Main Setting Value or Counting Value of Preset Counter 主設定值或設定計數器的計數值

Key 按鍵

P : Selecting of Preset Value or Counting Value of The Preset Counter 設定計數器的設定值或計數值的選擇鍵

6 **5** **4** **3** **2** **1** : Setting of Preset Counter . < SV > 設定值設定鍵

RST : Reset of Total Counter. 總數計數器歸零鍵

RST : Reset of Preset Counter. 設定計數器歸零鍵

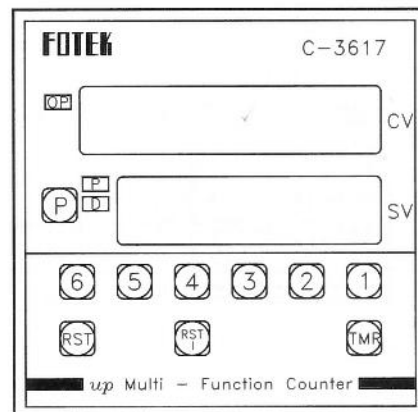
TMR : Setting of Output Delay Time. 輸出延遲時間設定鍵

LED 指示燈

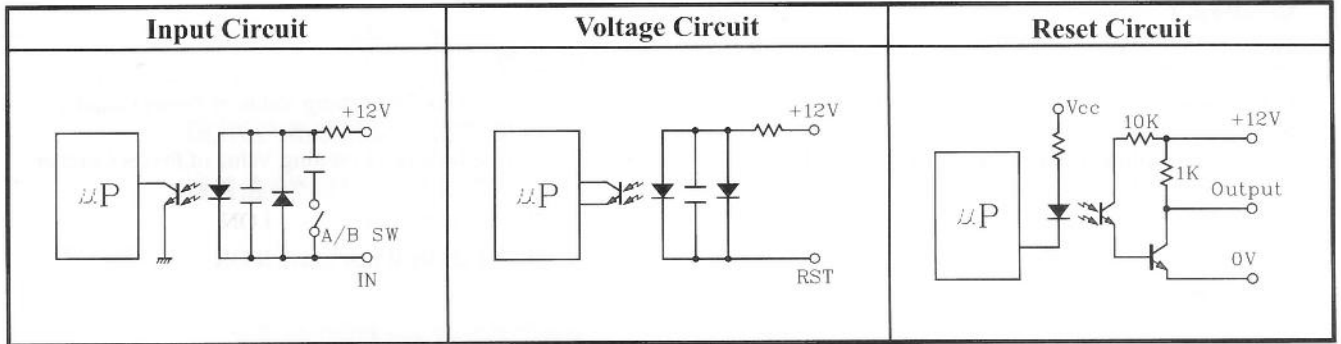
P : SV Displays The Setting Value of Preset Counter
 SV 值是顯示設定計數器的設定值

D : SV Displays The Counting Value of Preset Counter
 SV 值是顯示設定計數器的計數值

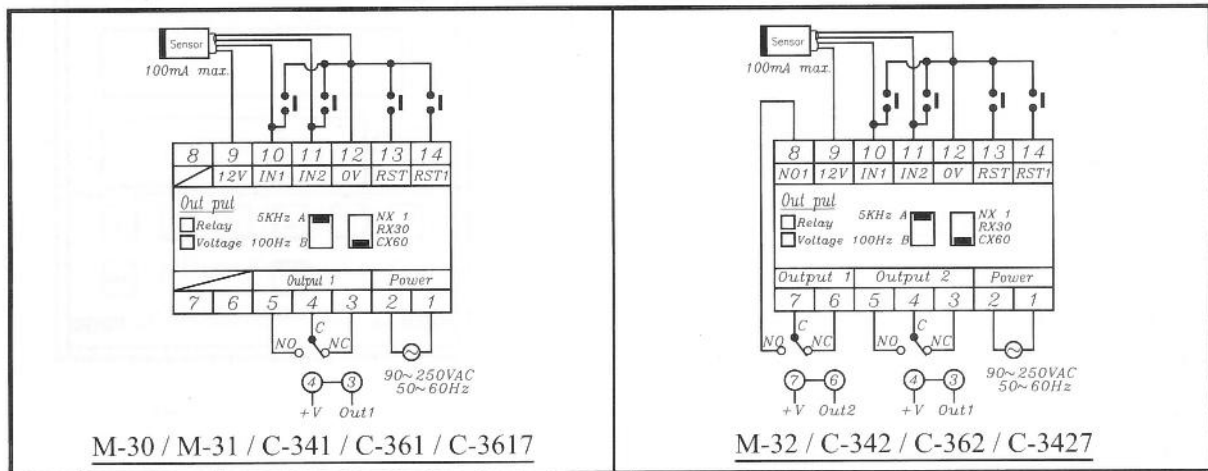
OP : LED on When Relay ON



Interface Circuit

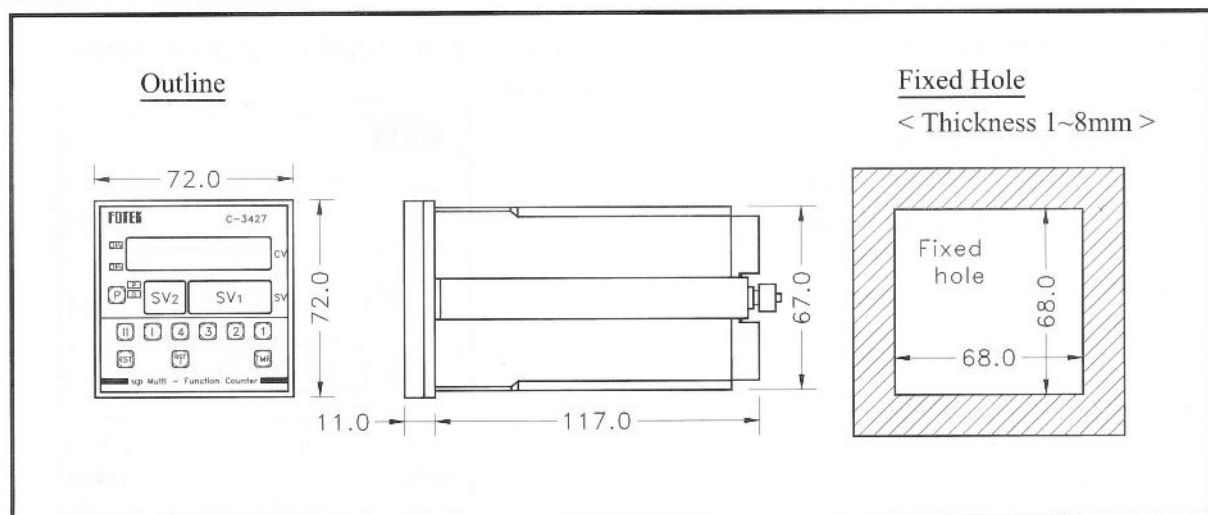


Connection Diagram



Note : Additional Counter , Please Input From IN1

Dimension



■ N / R / C Slide Switch < Output Control Selected >

