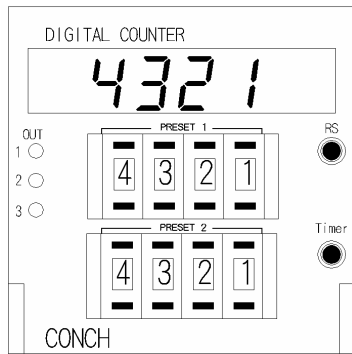


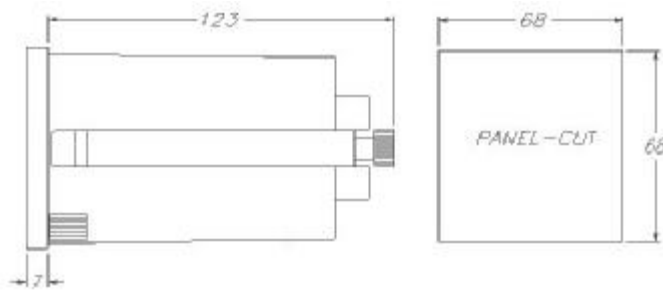
DP-CA42PA、DP-CA42PB Specification

Item No	DP-CA42PA	DP-CA52PA	DP-CA62PA	DP-CA42PB
Display Range	4 Digit	5 Digit	6 Digit	4 Digit
Setting Range	1~9999(2sets)	1~99999(2sets)	1~999999(2sets)	1~9999(2sets)
Character Height	LED 0.4			LED 0.56
Input Signal Mode	Contact input : 20Hz.300Hz		non-contact input : 3KHz	
Output System	2 sets Relay output (1a,b AC 250V/5A)			
Output Hold time	0.1~9.9 seconds (variable)			
Input level	NPN , open collector			
Power Failure Memory	EEPROM memory keep ten years			
Reset System	External · Manual · Auto Reset			
Power Supply	AC 110V/220V ±15% 50Hz/60Hz			
DC Out for Sensor	DC12V ±5% Max electric current capacity 100mA			
Power Consumption	5.5VA			
Operating Temperature Humidity	-10°C~+50°C 35%~85% RH			
External Dimensions	72mm x72mm x145mm(Mounting flush dimension:68mm x68mm)			

Appearance

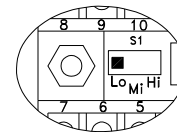


Dimension Diagram

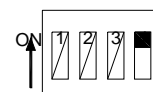
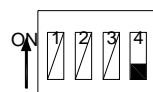
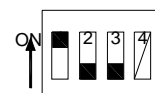
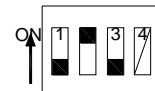
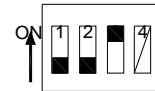


Switch Setup

- 一、 SW1 : Response . Time Switch
 SW1-Hi : Removes damping capacitor and allows operation up to 3KHz.
 SW1-Md : Connects small damping capacitor and limits counter frequency to 300Hz.
 SW1-Lo : Connects small damping capacitor and limits counter frequency to 25Hz.



- 二、 SW2 : N.R.C.
 - a. N position : Manual reset
 When the counter display equals to the preset 1 value, relay 1 contact turns on, and the counter keeps counting up; while the counter display equals to the preset 2 value , relay 2 contact turns on. The counter display will return to zero , and relay 1 & relay 2 contact will turn off when we press down the "RESET" button on the front panel or connect with terminal 10 & 11.
 - b. R position : automatically reset
 When the counter display equals to the preset value, relay 1 contact turns on and the counter keeps counting up. While the counter display reaches the preset 2 value, relay 2 contact turns on, and the counter still keeps counting up until T times (adjusting form the timer panel),at this time RELAY 1 & 2 turn off and the counter display returns to zero .
 - c. C position : automatically instant reset
 When the counter display equals to the preset 1 value, Relay 1 contact turns on and the counter keeps counting up .While the counter display reaches the preset 2 value, Relay 2 contact turns on, and then the counter keeps counting up. After the counting value return to zero at once, it still counts up. After t times (adjusting form the timer panel),RELAY 1 & 2 turn off automatically.
 - d. Counting Method



- a. Addition (single phase) SW2-4 OFF
 - ※B-IN : Gate function(to stop signal input temporarily)
- b. Addition and subtraction (Quadrature input)
 - This quadrature counting mode can be implemented by the rotary encoder or 2 sets of photoelectric sensors.
- c. You must turn on the counter again when change the mode of the counter.

※DP-CA42PB PRE-WARN

(The black code switches represent the target value, the while code switches represent the pre-warn value.)

When the counter display reaches the value, target value subtracts preset value, Relay 1 on and the counter Display keeps counting up. While the counter display equals to the target value, relay 2 contact turns on and N.R.C. operation executes.

Terminal Wiring Diagram

