CA series Digital Counter user manual

Features:

1. Dual line 6 digit LED display，
2. Optional dimension: 48×48, 48x96, 72×72，
3. Single counting, single relay output，
4. Manual reset, automatic reset, key lock function，
   power fail memory function，
5. Settable counting coefficient, NPN or PNP input selectable，
6. Widely applied to the industries relevant to timber machining,
   food machinery, packing machinery, steel machining, etc.

1. Model Indication

CA□ — □□□0 —
- 0: Design code
- 6: 6 digit
- B: One alarm
- R: Relay output
- 4:48W×48H(mm)
- 7:72W×72H(mm)
- 8:96W×48H(mm)
- CA series counter

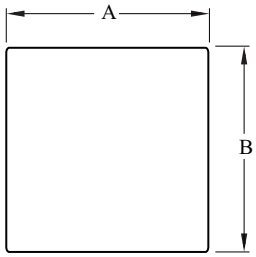
Model	Dimension(mm)	Digit	Alarm Output	Power supply
CA4-RB60	48W×48H×102L	6	One relay alarm	220VAC
CA7-RB60	72W×72H×100L	6	One relay alarm	110/220VAC
CA8-RB60	96W×48H×100L	6	One relay alarm	110/220VAC

2. Technical Parameter

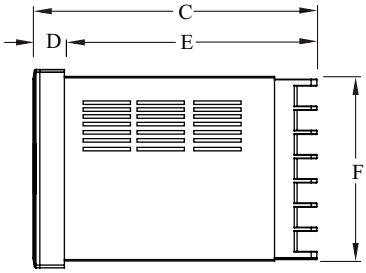
Power Supply	220VAC±10% 50H/60Hz
Total Power Consumption	≤4W
Relay Capacity	250VAC/3A
Output Power	DC18V±5V(≤25mA)
Insulation Resistance	≥20MΩ
Insulation Strength	1.5KV/1M
Counting Input Speed	≤1/30/300/1000Hz (selectable)
Counting Range	0.01～999999
Delay Time	0.01～600.00s
Coefficient Setting Range	0.01～9999.99
External Signal	External Reset Frequency 2、10、100、500Hz (selectable)

3. Dimension & Connection

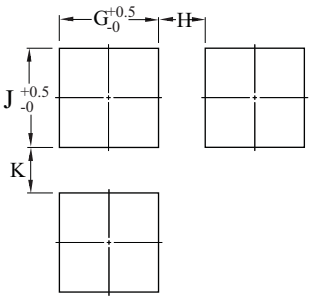
Front face size



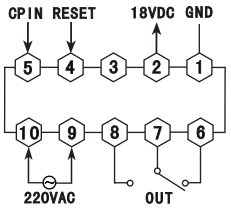
Side face size



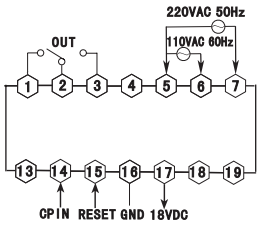
Mounting size



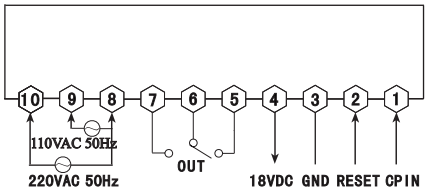
Model	A	B	C	D	E	F	G	H(Min)	J	K(Min)
4:(48×48)	48	48	108	6	102	45	45.5	25	45.5	25
7:(72×72)	72	72	109	9.5	99.5	67	67.5	25	67.5	25
8:(48×96)	96	48	109	9	100	44.5	90	25	45	25
Remark	Unit: (mm) Tolerance ±0.5%(special annotation not be included)									



CA4 Connecting Drawing

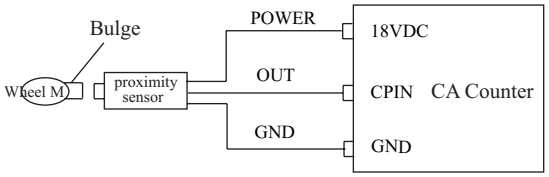


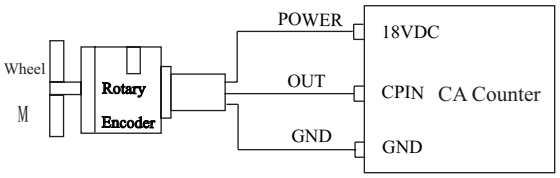
CA7 Connecting Drawing



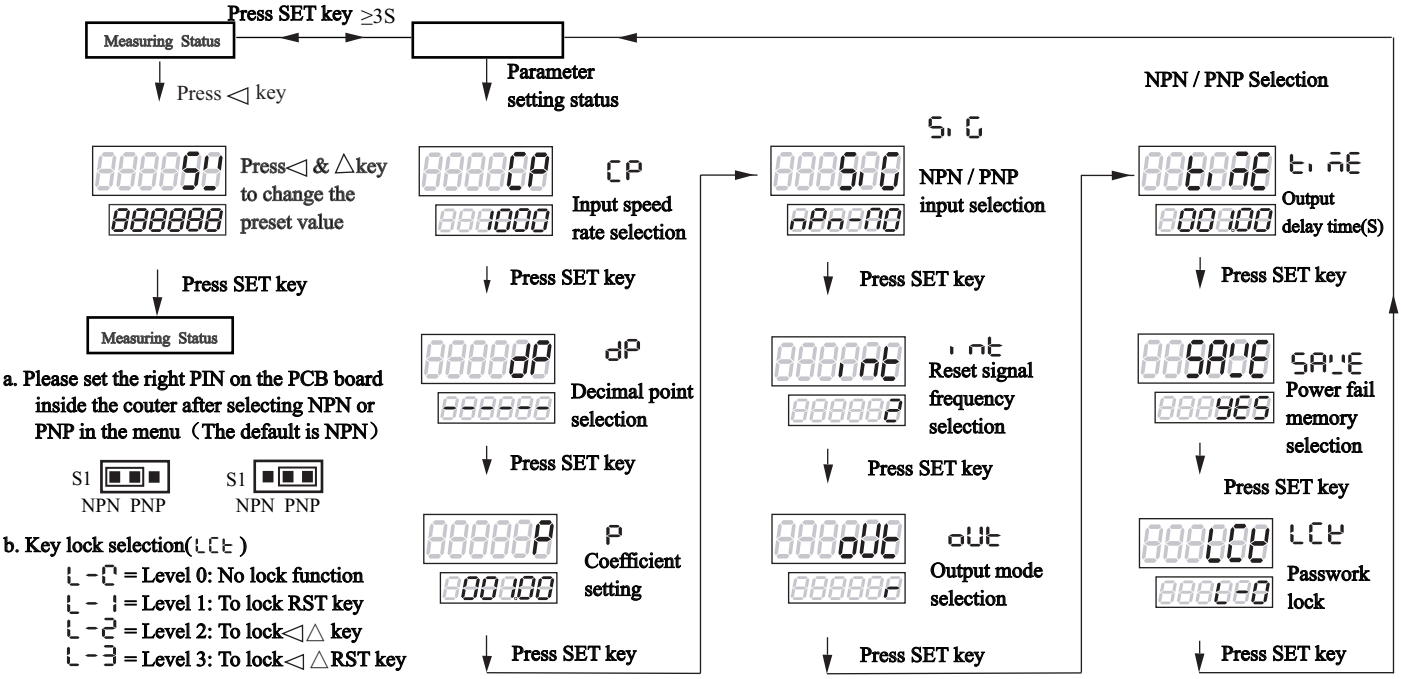
CA8 Connecting Drawing

Note: Please subject to the connection drawing on the counter if any changes.



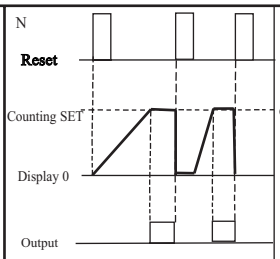
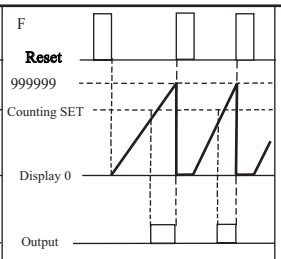
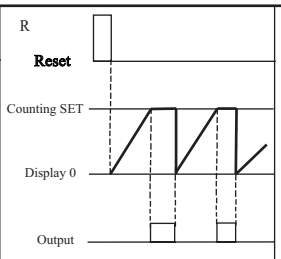
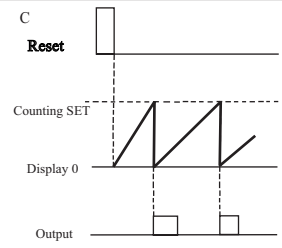


4. Operation Menu



5. Counter Output Mode Diagram

There are 4 types of output modes for option, N, F, R, C.

Output mode setting				
Action after Counting up	Output and the counting value will remain till reset signal.	Counting value goes on, output will remain till reset signal.	When counting value reaches setting value, the display value and output will remain till the setting delay time, then reset to next counting automatically.	The counter will reset the counting value when it reaches the setting value, but the output will remain till the setting delay time.