

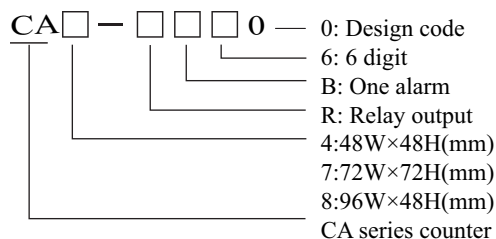
# CA series Digital Counter user manual



## Features:

1. Dual line 6 digit LED display,
2. Optional dimension: 48×48, 48×96, 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

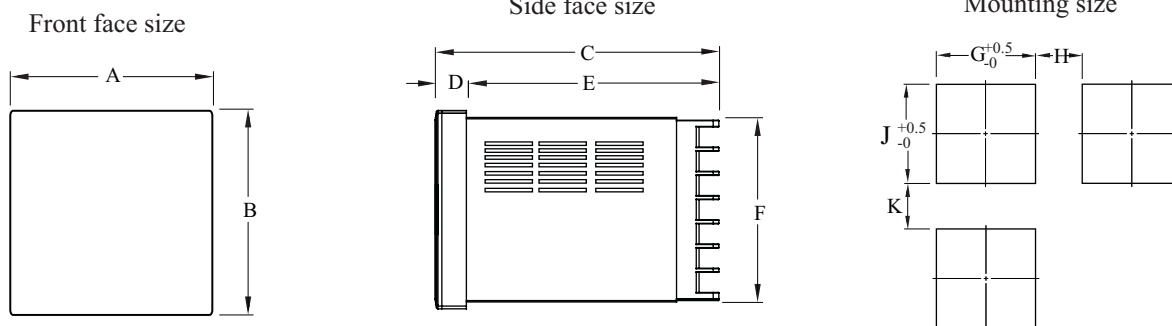


| Model    | Dimension(mm) | Digit | Alarm Output    | Power supply |
|----------|---------------|-------|-----------------|--------------|
| CA4-RB60 | 48W×48H×102L  | 6     | One relay alarm | 220VAC       |
| CA7-RB60 | 72W×72H×100L  | 6     | One relay alarm | 110/220VAC   |
| CA8-RB60 | 96W×48H×100L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

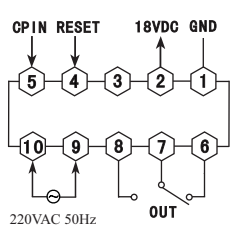
## 2. Technical Parameter

|                           |  |
|---------------------------|--|
| 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) |

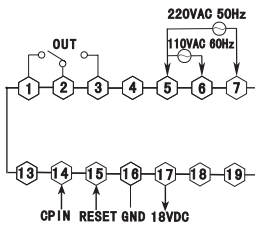
## 3. Dimension & Connection



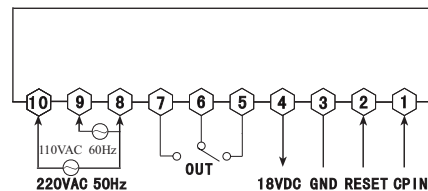
| Model     | A  | B  | C   | D   | E    | F    | G    | H(Min) | J    | K(Min) |
|-----------|--|----|-----|-----|------|------|------|--------|------|--------|
| 4:(48×48) | 48   | 48 | 108 | 6   | 102  | 45   | 45.5 | 25     | 45.5 | 25     |
| 7:(72×72) | 72   | 72 | 109 | 9.5 | 99.5 | 67   | 67.5 | 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

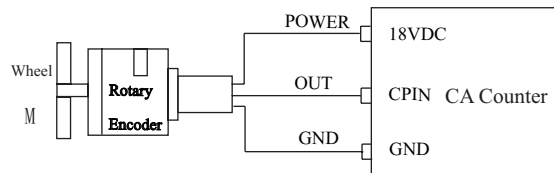
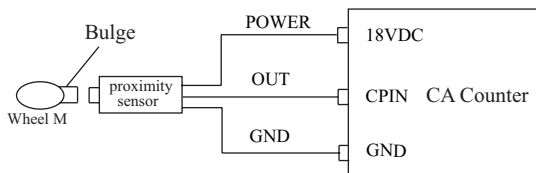


CA7 Connecting Drawing

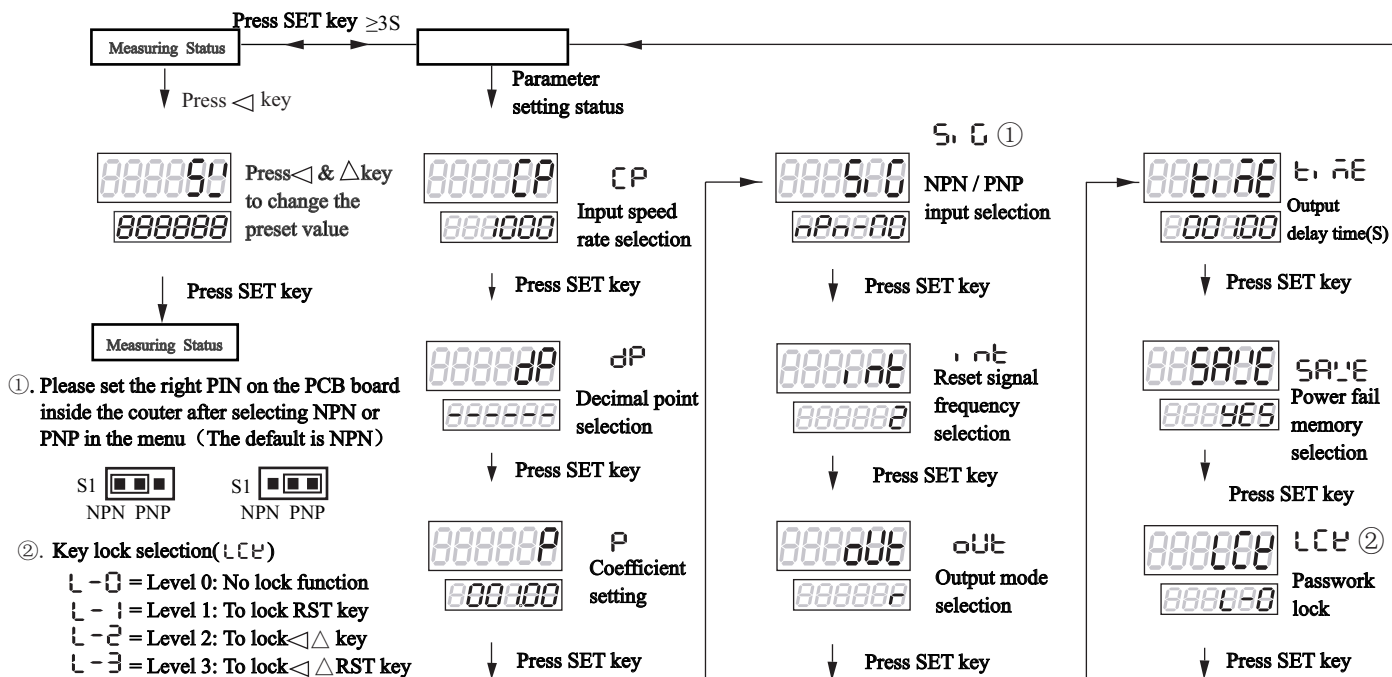


CA8 Connecting Drawing

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      | N  | F   | R   | C  |
|--------------------------|--|---|---|--|
| Reset                    |  |   |   |  |
| Counting SET             |  |   |   |  |
| Display 0                |  |   |   |  |
| Output                   |  |   |   |  |
| 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. |