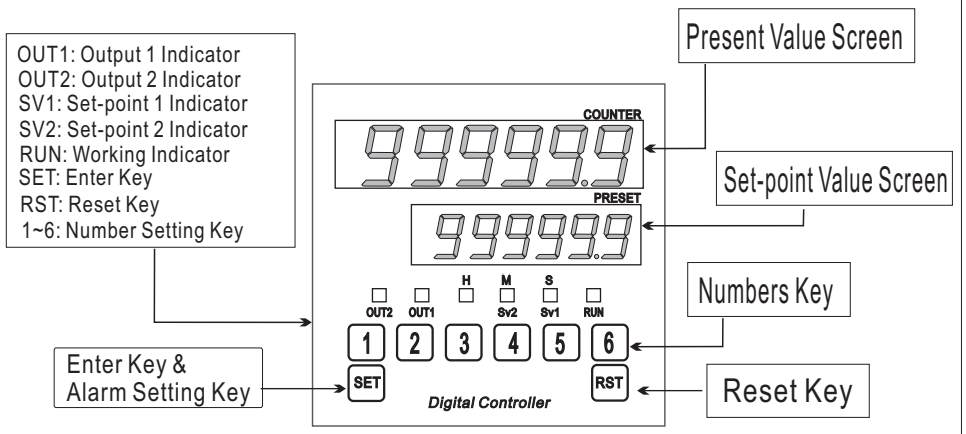
# CR 6 DIGITAL COUNTER MANUAL

✻ Please understand key indicators & functions at the first operation.

## FRONT PANEL & KEY FUNCTIONS




| Key Name | Symbol | Descriptions |
|---|---|---|
| Enter Key & Alarm Setting Key | SET | 1. In the measuring status, press this key can enter to alarm setting pages.<br>2. In the measuring status, press this key for 5 secs can enter to parameters group.<br>3. In the parameter setting, press this key can save the value & go to next parameter. |
| Reset Key | RST | 1. Press this key to enable the reset functi on. |
| Numbers Key | 1 2 3 4 5 6 | 1. In the alarm setting, press each number key can increased up the digit.<br>2. In the parameter setting, press any number key can enter to the setting. digit, the value will be increased up. |

**1. The following block charts are parameters codes, parameter codes & parameters will alternate flashing if the parameters can be modified.

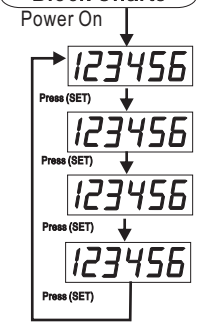
2. To modify the parameters, please press any number keys , and press SET to save the parameter after the modification.

3. Please don't forget the new pass code after modification.



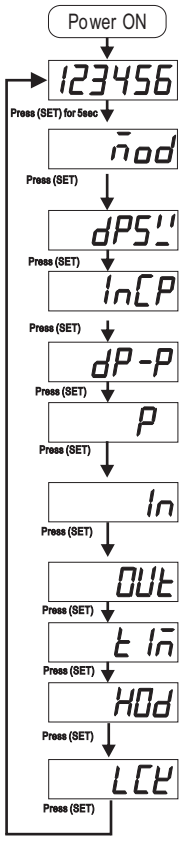
## GENERAL MODE OPERATING PROCEDURES

Block Charts




| Display | Descriptions | Default |
|---|---|---|
| | **Alarm Setpoint** | |
| Measuring Status | Present value for measurement | |
| Alarm 1 Setpoint (AL1) | 1. Press SET key, unit SV2 indicator is lighted.<br>2. Press any number keys to modify alarm 1 setpoint, then press SET to save the parameter. | 000000 |
| Alarm 2 Setpoint (AL2) | 1. Press SET key, unit SV1 indicator is lighted.<br>2. Press any number keys to modify alarm 2 setpoint, then press SET to save the parameter. | 000000 |
| Initial Value Setting (SV) | 1. Press SET key, unit SV indicator is lighted.<br>2. Press any number keys to modify initial value, then press SET to save the parameter.<br>**This parameter will be appeared while "Mod" is SP-1 | 000000 |

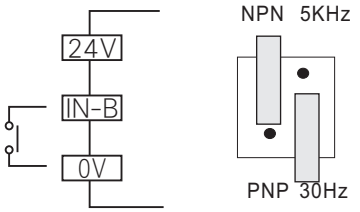
## GENERAL MODE OPERATING PROCEDURES



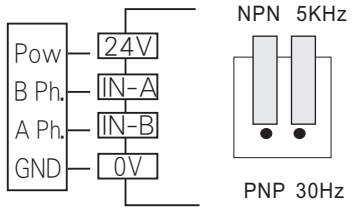

| Display | Descriptions | Default |
|---|---|---|
| | **Parameter Group Setting Procedures** | |
| Measuring Status | Present value for measurement | |
| Counting Mode Setting (MOd) | 1. Press any number keys to select counting mode, then press SET to save the parameter.<br>(SP-0: from reset value; SP-1: from initial value) | SP-0 |
| Decimal Point Setting (dPSV) | 1. Press any number keys to select decimal point, then press SET to save the parameter. | Customers specify |
| Input Frequency Setting (InCP) | 1. Press any number keys to select input frequency, then press SET to save the parameter. (5K: 5KHz; 30:30Hz) | 5K |
| Scale Coefficient Decimal Point (dP-P) | 1. Press any number keys to select scale coefficient decimal point, then, press SET to save the parameter. | Customers specify |
| Scale Coefficient Adjustment (P) | 1. Press any number keys to modify scale coefficient, then press SET to save the parameter. (0.00 00~9.99999) | 1 |
| Input Mode Setting (OUt) | 1. Press any number keys to select input mode, then press SET to save the parameter.<br>(U_n: NPN up, U_P: PNP up, d_n: NPN down, d_P: PNP down, Ud: AB phase input) | U_n |
| Alarm Mode Setting (OUt) | 1. Press any number keys to select alarm mode , then press SET to save the parameter. (N, R, C, L, K, Q, A) | C |
| Alarm Run Time Setting (tIm) | 1. Press any number keys to modify alarm run time, then press SET to save the parameter. | 0.50 |
| Memory Hold Setting (HOd) | 1. Press any number keys to select memory hold, then press SET to save the parameter. (Yes, No) | YES |
| Key Lock Setting (LCK) | 1. Press any number keys to modify key lock function, then press SET to save the parameter.<br>0000: all of parameters can be modified.<br>0001: Only LCK, SV1, SV2, SV can be modified.<br>0110: Only LCK can be modified.<br>1111: All of the functions are locked, including RST key. | 0000 |

# Input Signal Modification

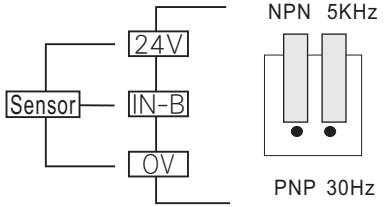
**Contact input:



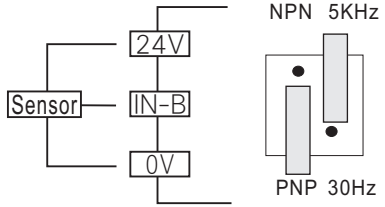

**Encoder Input:



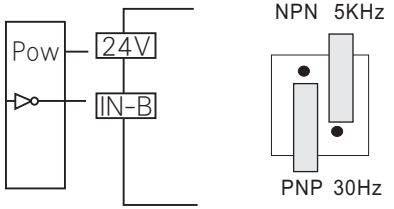

**NPN Input:




**PNP Input:




**2 Wire Sensor Input:






# Relay Output Mode Description

Attached picture: Counting data and output method logic relationship
delay time: 0.01S-9999.99S delay output
keep output  OUT2 delay output  keep output