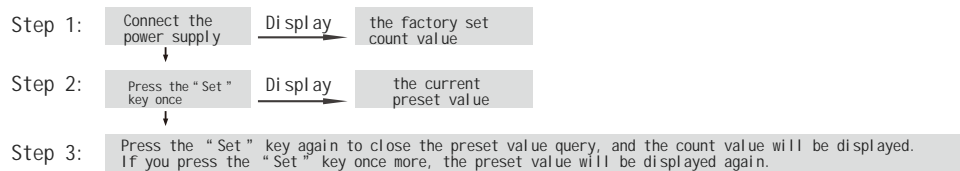
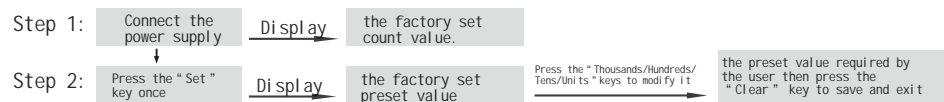


## VII. Function Settings

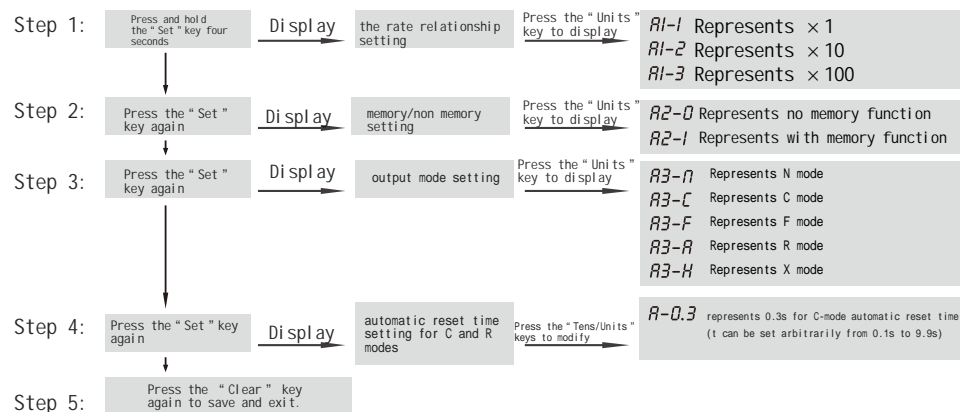
### 1. Preset Value Query



### 2. Preset Value Setting



### 3. Rate Setting, Memory Function Setting, Output Mode Setting, and C/R Mode Time Setting (No Step 4 for N/F/X Modes)



**Note:** Querying parameters during the counting process does not affect the counting.

## VIII. Order Instructions

- When placing an order, the product model, working voltage, and quantity must be specified.
- For regular products, the default mode at the factory is N mode, with no memory function and a rate of  $\times 1$ . If other modes, a memory function, or other rate relationships are required, please set them according to the above steps.  
Example: DH48J (button type), AC/DC100 - 240V, 500 pieces



**C-Lin**  
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使用说明书  
Products Instructions

**DH48J (Button Type)**  
Counting Relay

N/C/F/R/X Modes

Thank you very much for using C-Lin brand products. Please read the instruction manual before use!

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## I. Overview

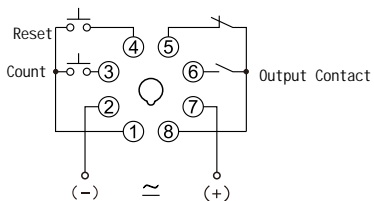
The DH48J (button - type) counting relay is suitable for use as a counting element in control circuits with an alternating current of 50/60Hz, a rated working voltage of 380V or below, or a direct - current working voltage of 240V or below. It connects or disconnects circuits according to preset numbers.

This product meets the requirements of GB/T 14048.5.

## II. Main Technical Data

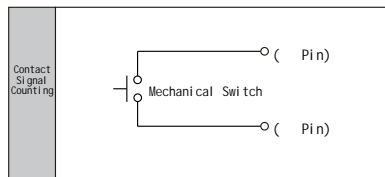
- Working voltage (control power supply voltage): AC380V, AC/DC100 - 240V, AC/DC24V 50/60Hz, allowable voltage fluctuation range (85% - 110%) U<sub>e</sub>;
- Counting range: 1 - 9999 (×1, ×10, ×100 rate);
- Counting signal: Contact, travel switch, etc.;
- Counting frequency: 30 times/second, minimum signal pulse 15ms;
- Power - off memory: 10 years;
- Reset mode: Reset by the clear key, or reset by short - circuiting terminals and ;
- Output mode: N, C, F, R, X types;
- Contact capacity: 3A AC250V (resistive);
- U<sub>e</sub>/I<sub>e</sub>: For each rated working voltage U<sub>e</sub>/rated working current I<sub>e</sub> in the usage category: AC - 15 U<sub>e</sub>: AC250V, I<sub>e</sub>: 3A;
- Conventional heating current I<sub>th</sub>: 5A;
- Rated insulation voltage U<sub>i</sub>: 400V;
- Rated impulse withstand voltage U<sub>imp</sub>: 2.5KV;
- Pollution degree: Level 3;
- Protection class: Front panel IP20;
- Ambient temperature: - 5° C - +40° C;
- Relative humidity: 90%;
- Altitude: 2000m;
- Installation method: Panel - type, 35mm rail or base - fixed installation;

## III. Wiring Diagram

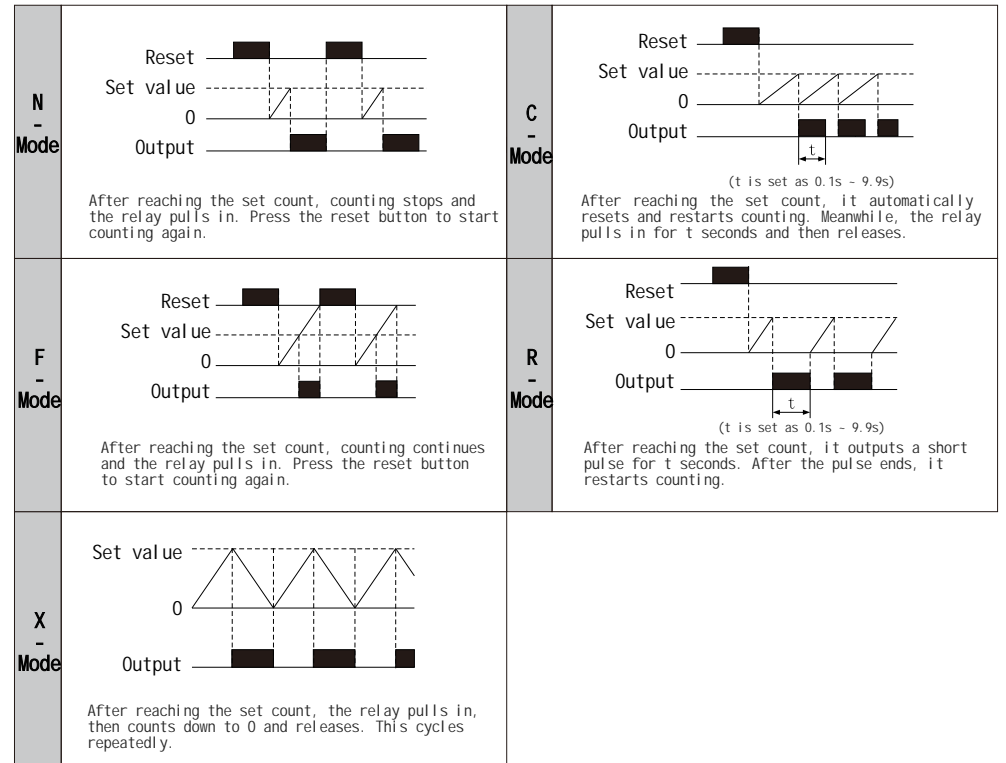


Note 1: Terminals and are power input terminals (for DC, is the positive pole and is the negative pole); Terminals and are counting signal input terminals; Terminals and are reset terminals; Terminals and are normally closed contacts; Terminals and are normally open contacts.  
 Note 2: The counting signal input wires and reset control wires should be as short as possible. Avoid running them in the same conduit or twisting them together with other wires such as power wires and power - driven wires. When necessary, use shielded wires, and do not input voltage to the reset terminal to avoid damaging the product.

## IV. Counting Signal Input

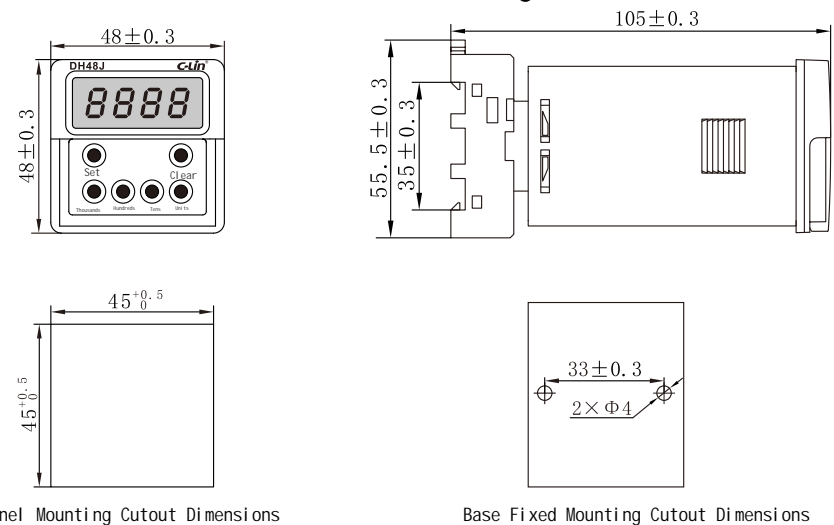


## V. Output Mode Diagrams



Note: N, F, X modes require manual reset; C, R modes are automatic reset.

## VI. Outline and Cutout Dimensions Diagram



Panel Mounting Cutout Dimensions

Base Fixed Mounting Cutout Dimensions