

## I. Features

- Standard panel size of DIN48mm×24mm.
- No need for an external battery. It is equipped with a built-in 3.6V 1200mAh battery (non-replaceable).
- 8-digit LCD display with large and clear characters.
- Panel button reset for more convenient use.
- Prevent accidental operation. The reset function has both on and off capabilities.
- Signal input modes include contact signal (HHJ2-8) and voltage signal (HHJ2-8U), which can be selected when placing an order.
- Counting speed can be switched between 30 times/second and 1000 times/second via a switch, ensuring accurate and reliable counting.
- It has no mechanical wear and can replace electromagnetic counters.
- The service life is 6 years in low-frequency mode and 1 year in high-frequency mode. When the battery power is too low or out of power, it needs to be returned to the manufacturer for battery replacement.
- A sealing rubber is installed at the back of the panel, providing shock-proof and waterproof functions.
- The reset signal should not be connected for a long time to avoid consuming the internal battery power.

## II. Main Technical Data

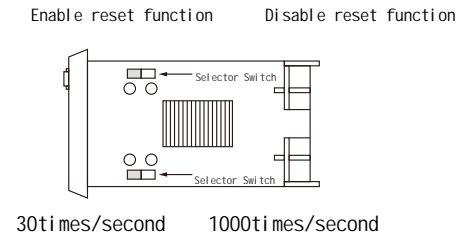
- Working Power Supply: Built-in power supply (with internal battery), no external connection required.
- Counting Range: 1-99999999 ;
- Voltage Input: DC4.5V-30V ;
- Voltage-free Input:
  - Maximum resistance when contacts are closed:  $\leq 10k$  ;
  - Maximum resistance when contacts are open:  $\geq 500k$  .
- Counting Speed:
  - Low speed: 30/times second or lower; b) High speed: 1000 times/second.
- Reset Mode: Reset via front panel buttons and rear terminals
- Battery Life: 6 years in low-frequency mode, 1 year in high-frequency mode.
- Ambient Temperature: -10~+40 .
- Ambient Humidity: 35~85%.
- Mounting Hole Dimensions: 45×22.5mm.

①

## V. Function Selection Method

Switch Selection:

- Counting Speed Selection (see diagram below);
- Reset Function Toggle;



## VI. Instructions for Use

- The contact input should be reliable to prevent false counting caused by contact bounce.
- The signal input wire and reset input wire of the counter should be as close as possible to the connection terminals of the counter, making the input wires as short as possible. Avoid routing them in the same conduit or twisting them together with other high-voltage or power lines. Use shielded wires if necessary.
- To prevent battery explosion, do not use it in an environment with an open flame or at temperatures above 80° C to avoid harm to people.
- HHJ2-8 replaces HHJ2-6L and 6H.
- HHJ2-8U replaces HHJ2-8VL and 8VH.
- The appearance of HHJ2 is exactly the same as that of Omron H7EC.

VII. This series of products complies with the relevant requirements of GB/T 14048.5.

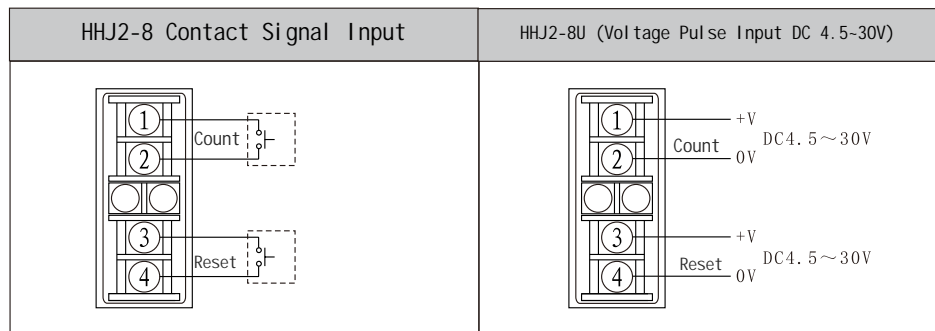
## VIII. Ordering Instructions

When placing an order, clearly state the product model, counting signal (voltage type or non-voltage type), and quantity.

- Examples: 1) HHJ2-8 (non-voltage type), 500 pieces  
2) HHJ2-8U (voltage type), 600 pieces

③

## III. Wiring Diagram



## IV. Model Selection

Model	HHJ2-8	HHJ2-8U
Input Mode	Contact signal input	DC 4.5-30V voltage pulse input
Counting Speed	30 times/second	30 times/second or 1000 times/second
Display Digits	8-digit LCD display (common for both)	
Reset Mode	Panel button / external terminal reset	

②

**C-lin**  
欣灵电气股份有限公司  
XINLING ELECTRICAL CO., LTD.  
地址: 浙江省乐清经济开发区纬十九路328号  
电话: 0577-6273 5555 传真: 0577-6272 2963  
Http://www.c-lin.cn E-mail: xl@xinling.com  
技术咨询: 0577-62731208



欣灵

使用说明书  
Products Instructions

**HHJ2**  
(Improved Type) Counter

We sincerely thank you for using C-lin brand counters. Please read the instruction manual before using the product!

29A069E0

国家高新技术企业 浙江省名牌产品