

## Hall split core current transducer

Sub-plate mounting, terminal output. Detect DC current. High insulation between primary and secondary circuit



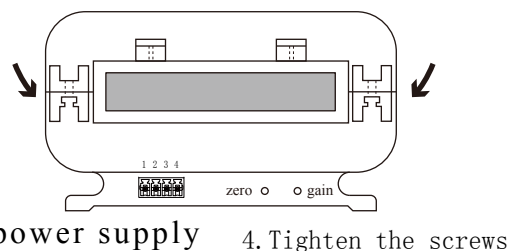
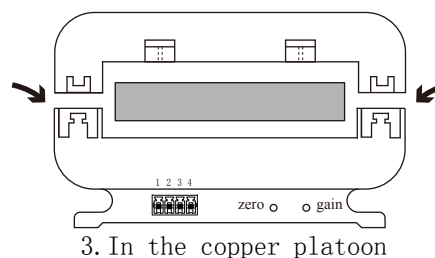
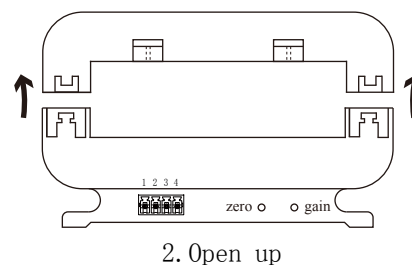
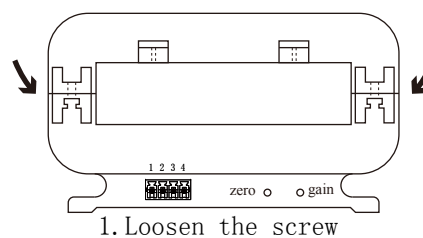
## Installation diagram

### Product features

- Light weight
- Low power consumption
- Good linearity
- No insertion loss
- Fast response time
- Good anti-interference ability

### Product application

- Railway
- Metallurgical
- Welding machine
- Robot
- Motor
- Inverter power supply
- Variable frequency governor
- Uninterrupted power supply and communication power supply



**Electrical parameters:** ( The following parameters are typical values and actual values will be subject to product testing )

**Remarks**

|                         |                                            |       |                               |       |                                                      |
|-------------------------|--------------------------------------------|-------|-------------------------------|-------|------------------------------------------------------|
| Rated input             | 1000A                                      | 2000A | 3000A                         | 5000A | Standard input                                       |
| Input measurement range | 1200A                                      | 2400A | 3600A                         | 6000A | Default is 1.2 times the input rating                |
| Rated output            | 0-20mA/4-20mA/0-5V/1-5V/0-10V              |       |                               |       | Output one of five<br>0-10V output +24V power supply |
| Accuracy                | 1%                                         |       |                               |       |                                                      |
| Linearity               | 0.5%                                       |       |                               |       |                                                      |
| Supply voltage (±5%)    | +12V / +24V                                |       |                               |       | Supply voltage range ±5%                             |
| Current consumption     | ≤48mA+Io                                   |       |                               |       | Reference will be subject to the measured            |
| Load impedance          | Current type output:<br>250Ω(Typification) |       | Voltage type output:<br>≥10KΩ |       |                                                      |
| Zero offset voltage     | Current type output:<br>±0.08mA            |       | Voltage type output:<br>±15mV |       | TA=25℃                                               |
| Response time           | ≤350mS                                     |       |                               |       | Reference will be subject to the measured            |
| weight                  | 4551g                                      |       |                               |       | Reference will be subject to the measured            |
| Operating temperature   | -10～+70℃                                   |       |                               |       |                                                      |
| Storage temperature     | -25～+70℃                                   |       |                               |       |                                                      |
| Band width              | DC～400Hz                                   |       |                               |       |                                                      |
| Delectric strength      | 6KV 50Hz 1min                              |       |                               |       |                                                      |

### Instruction for use:

1. Connect the wires correctly according to the marked connection mode
2. The direction indicated by an arrow for the positive current direction
3. With hole measurement, response time and following the speed for the best
4. Faulty wiring can lead to product damage and output uncertainty

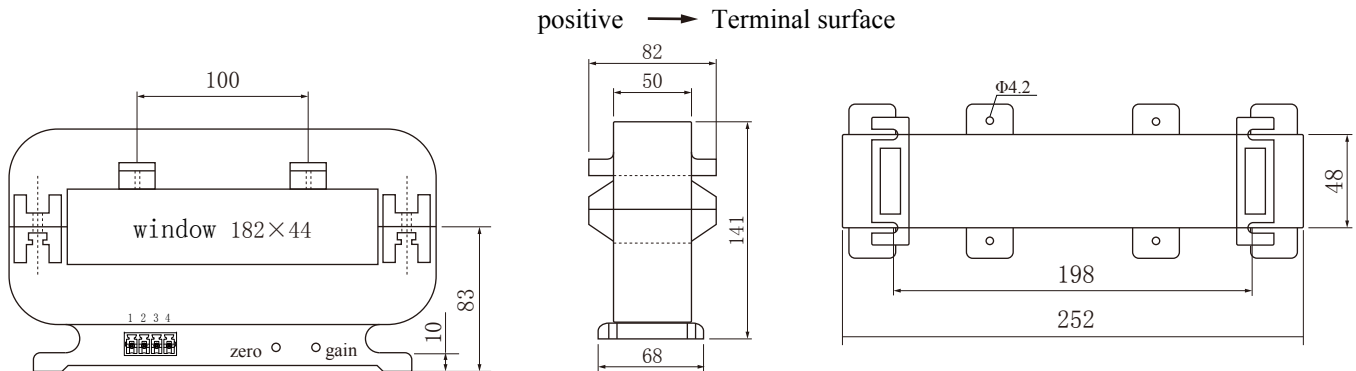
### Safe operation:

- \*Please read this specification carefully before use.
- \*When you need to move the product, please be sure to disconnect the power and all the connected cables.
- \*If found shell, devices attached to the fixed parts, wire, or have any damaged, please immediately deal with hidden dangers.
- \*If there is any doubt about the safe operation of the equipment, the equipment and the corresponding accessories should be closed immediately, and the fastest time for troubleshooting.

### Proclamations:

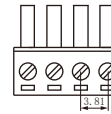
As our products are constantly being improved and updated, we reserve the right to modify the content of this specification at any time without prior notice.

Dimensions(in mm±0.5) :

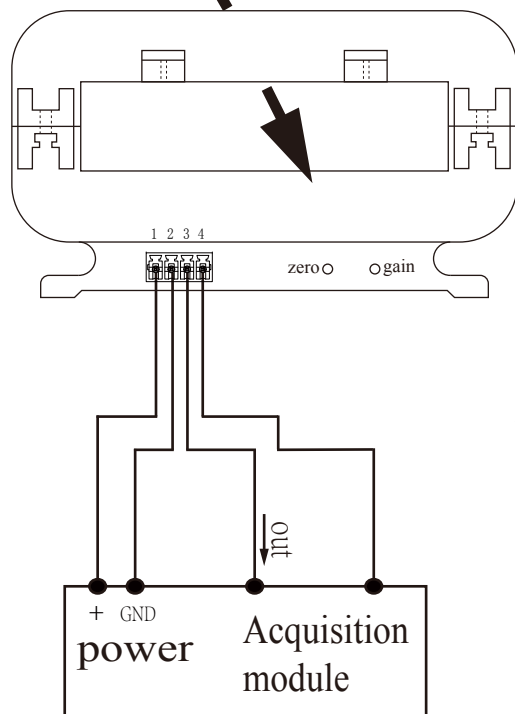


### Connector Illustration

Wiring diagram:



Crimping terminal fast plug KF2EDGK-3.81-4P, spacing 3.81



### Terminal definition:

- 1: +V
- 2: GND
- 3: out
- 4: GND

- ※①The auxiliary power supply with ripple small ( $\leq 20\text{mV}$ ) is selected
- ②Switch on auxiliary power
- ③Auxiliary power is connected to the transmitter
- ④Transmitter detects the primary current
- ⑤Both GND internals are not isolated