TCAH

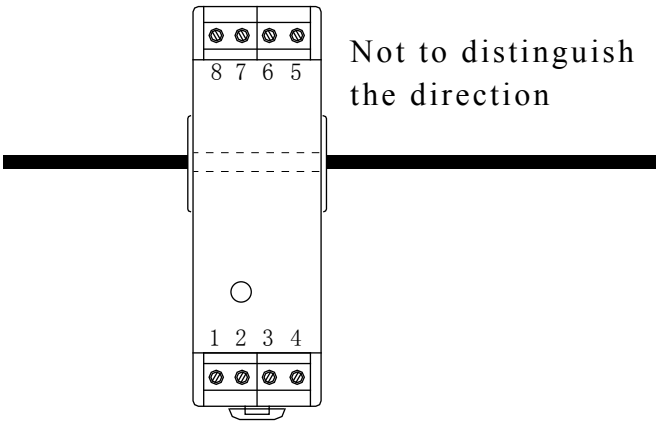
AC Current Transmitter

Din-rail indtallation, terminal output.Detect AC current. High insulation between primary and secondary circuits.

Product features

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

Installation diagram



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	1A	2A	5A	10A	20A	30A	50A	Standard input
Input measurement range	1.2A	2.4A	6A	12A	24A	36A	60A	Default is 1.2 times the input rating
Rated output	0-20mA/4-20mA/0-5V/1-5V/0-10V							Output one of five 0-10V output +24V power supply
Accuracy	0.5%							
Linearity	0.5%							
Supply voltage (±5%)	+12V DC / +24V DC / 220V AC							One of three Supply voltage range ±5%
Current consumption	≤35mA							Reference will be subject to the measured
Load impedance	Current type output: 250Ω(Typification)				Voltage type output: ≥10KΩ			
Zero offset voltage	Current type output: ±0.08mA				Voltage type output: ±15mV			TA=25℃
Response time	≤350mS							Reference will be subject to the measured
weight	75g							Reference will be subject to the measured
Operating temperature	-10～+70℃							
Storage temperature	-25～+70℃							
Band width	25~1KHz							
Delectric strength	2.5KV 50Hz 1min							

Instruction for use:

1. Correct wiring as indicated

2.Full scale measurement, response time and following the speed for the best

3. 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.

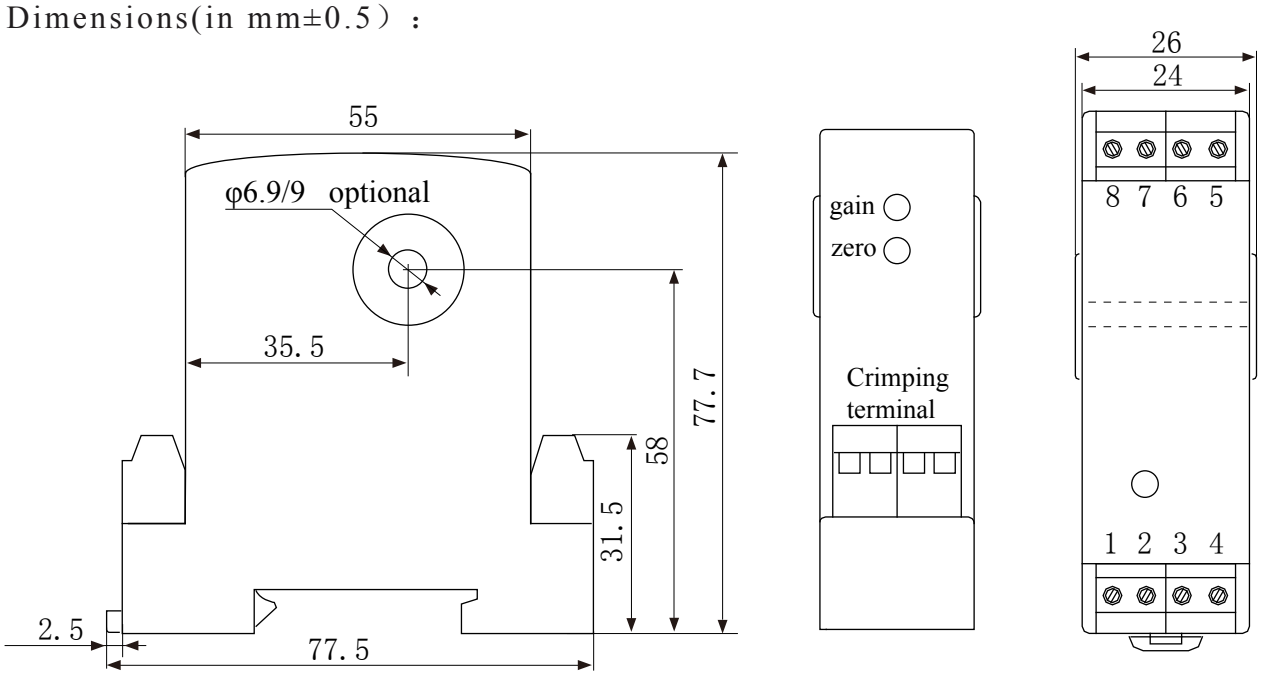
*If found shell, devices attached to the fixed parts, wire, or have any damaged, please immediately deal with hidden dangers.

*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.

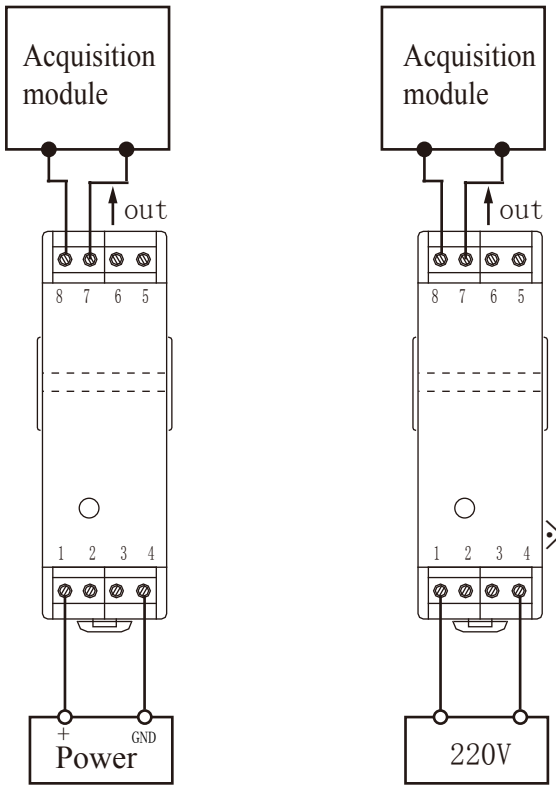
Proclamations:

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）：



Wiring diagram:



Terminal definition:

1：+V	1：
4：GND	4： 220V
7：out	7：out
8：GND	8：GND

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