

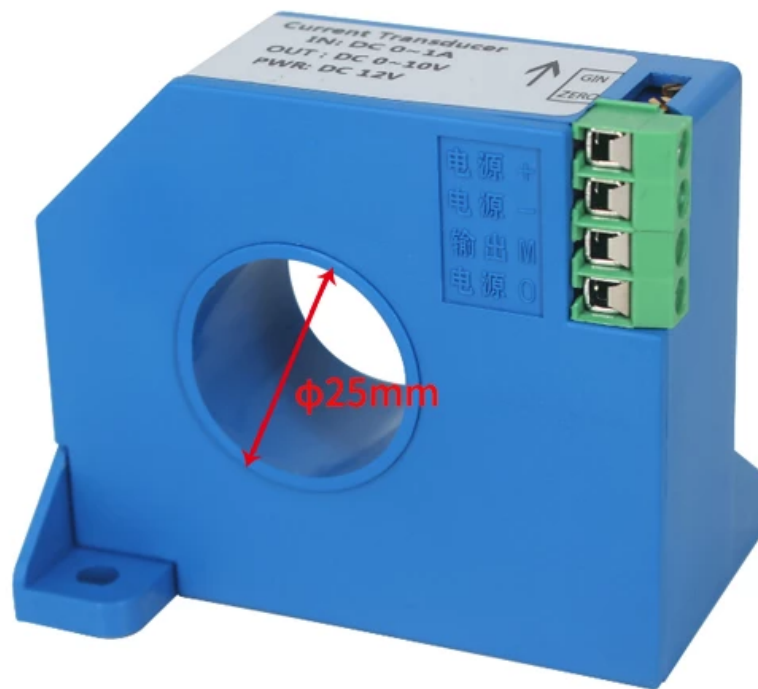
AC/DC Leakage Current Sensor Transducer



◆ IN: AC5mA~2000mA

◆ OUT: 4~20mA, 0~5V, 0~10V, RS485

◆ PWR: DC24V, DC12V



AC Leakage Current Transducer



Product Description

1>>. Working principle: AC adopts new transformer electromagnetic isolation principle, DC adopts magnetic modulation principle.

2>>. Product application: Measuring AC/DC leakage current, various small current, AC/DC high voltage.

3>>. Product advantages: Good performance,high stability,small size,easy installation,perforation input.

4>>. Product applications: Leakage monitoring system,line detection,signal system,current difference measurement,insulation detection,high voltage measurement.

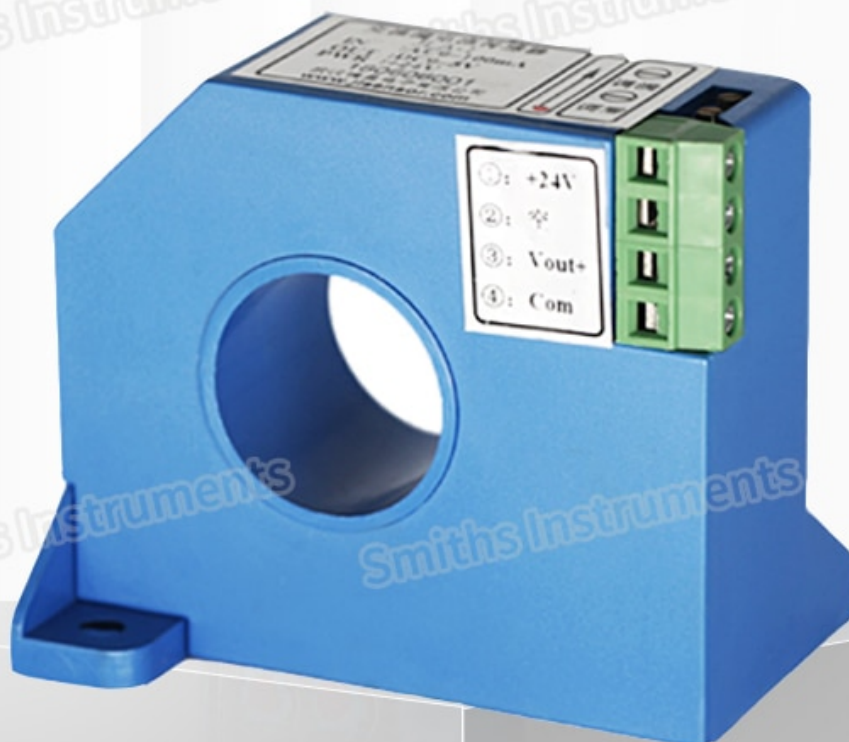
AC/DC Leakage Current Transmitter

AC/DC 5mA~2000mA available

Anti-interference, Anti-surge

Multiple models, aperture size, specifications

Electromagnetic isolation, Magnetic modulation



Technical Specifications



Product Parameters

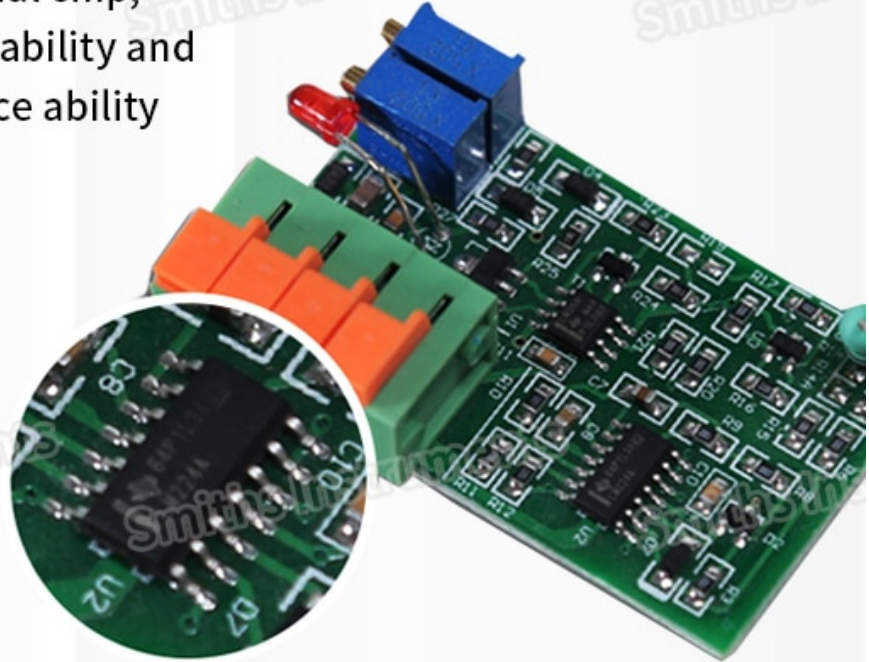
Product name	Leakage current transducer
Installation method	Fixed by plane screw
Primary side rated current	5mA,10mA,20mA,50mA,100mA,200mA,500mA,800mA,1000mA,1200mA
Rated output	0~20mA,4~20mA,0~5V,0~10V,1~5V
Auxiliary power supply	DC12V,DC15V,DC24V
Load capacity	Voltage output:5mA; Current output:6V
Overload capacity	10 times + nominal input
Isolation withstand voltage	3KV/50Hz,2mA,1min
Consumption current	< 20mA + output current
Response time	< 300ms
Offset voltage	50mV
Accuracy	1.0%
Linearity	0.2%
Temperature drift	100ppm/°C
Operating temperature	-20°C~80°C
Storage temperature	-25°C~85°C

Product Features

①

Imported highquality chip

- Core operational chip, Improve circuit stability and anti-interference ability

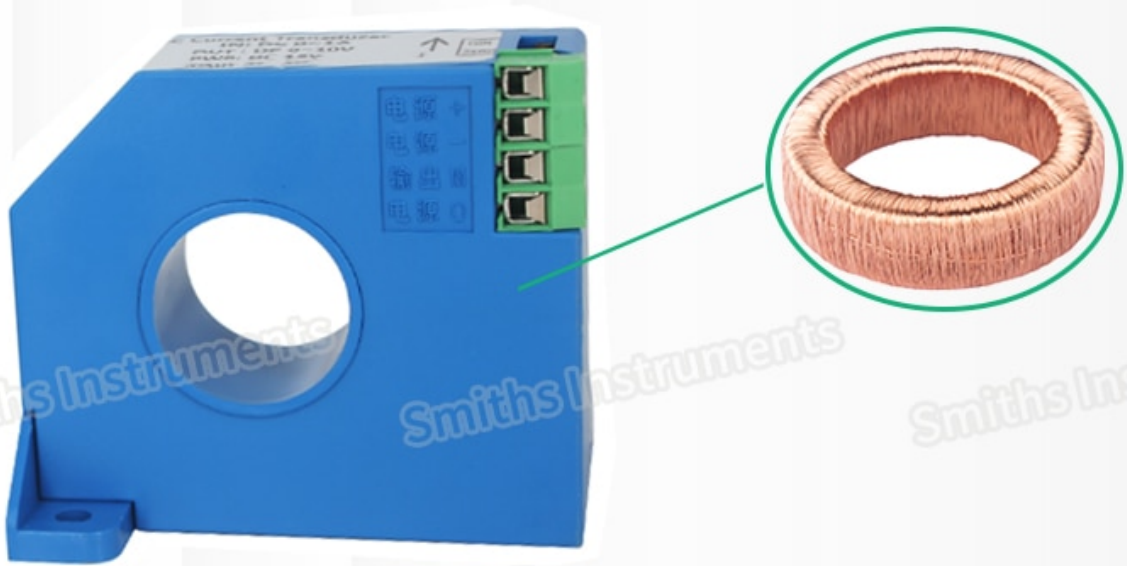


②

Pure copper winding coil

- Low line resistance

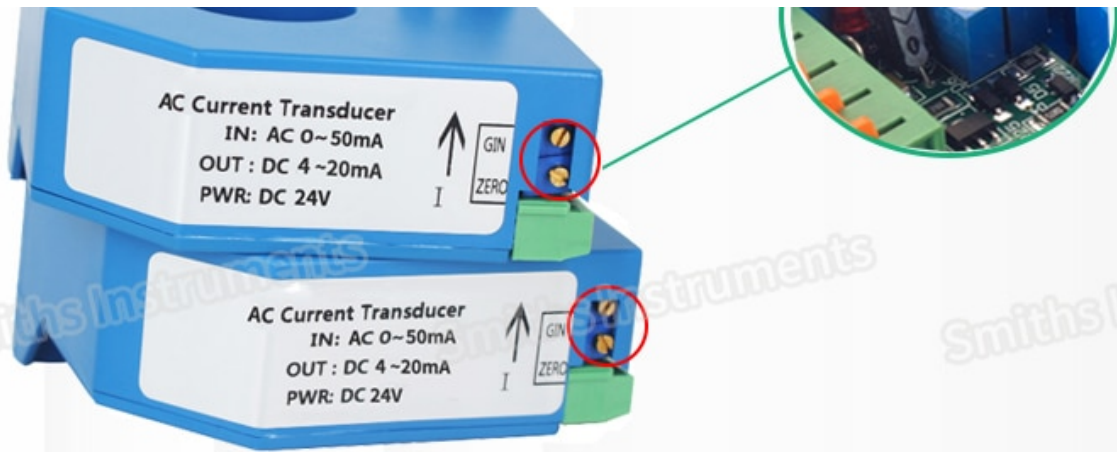
- LOW IRL RESISTANCE,
Reduce power consumption, improve current conversion rate



3 Dispensing encapsulation potentiometer

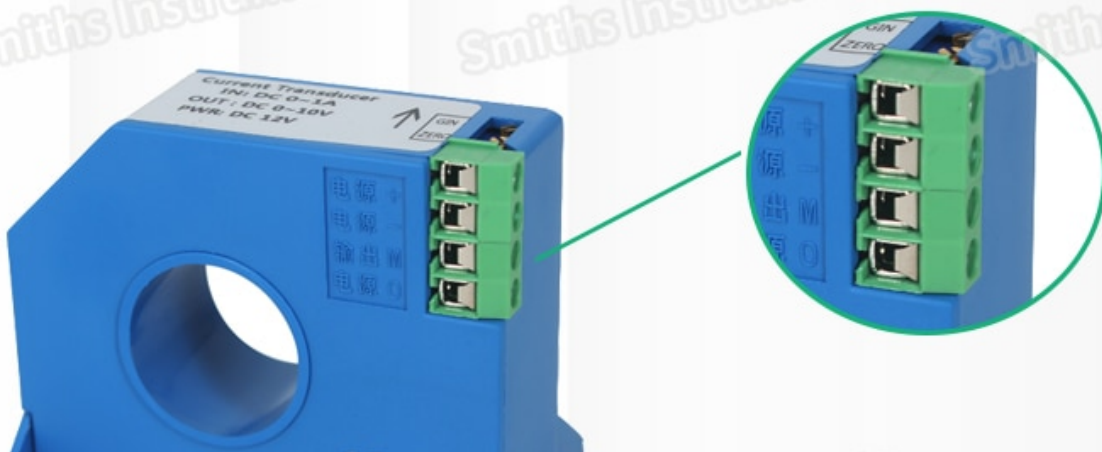
- Effectively prevent the potentiometer from shifting due to the field vibration





4 Powerful terminals

- Zinc steel shrapnel, good conductivity, low heating





5 ASIC integrated circuit

- Improve the response time to 0.25s, achieve Real time current detection & conversion



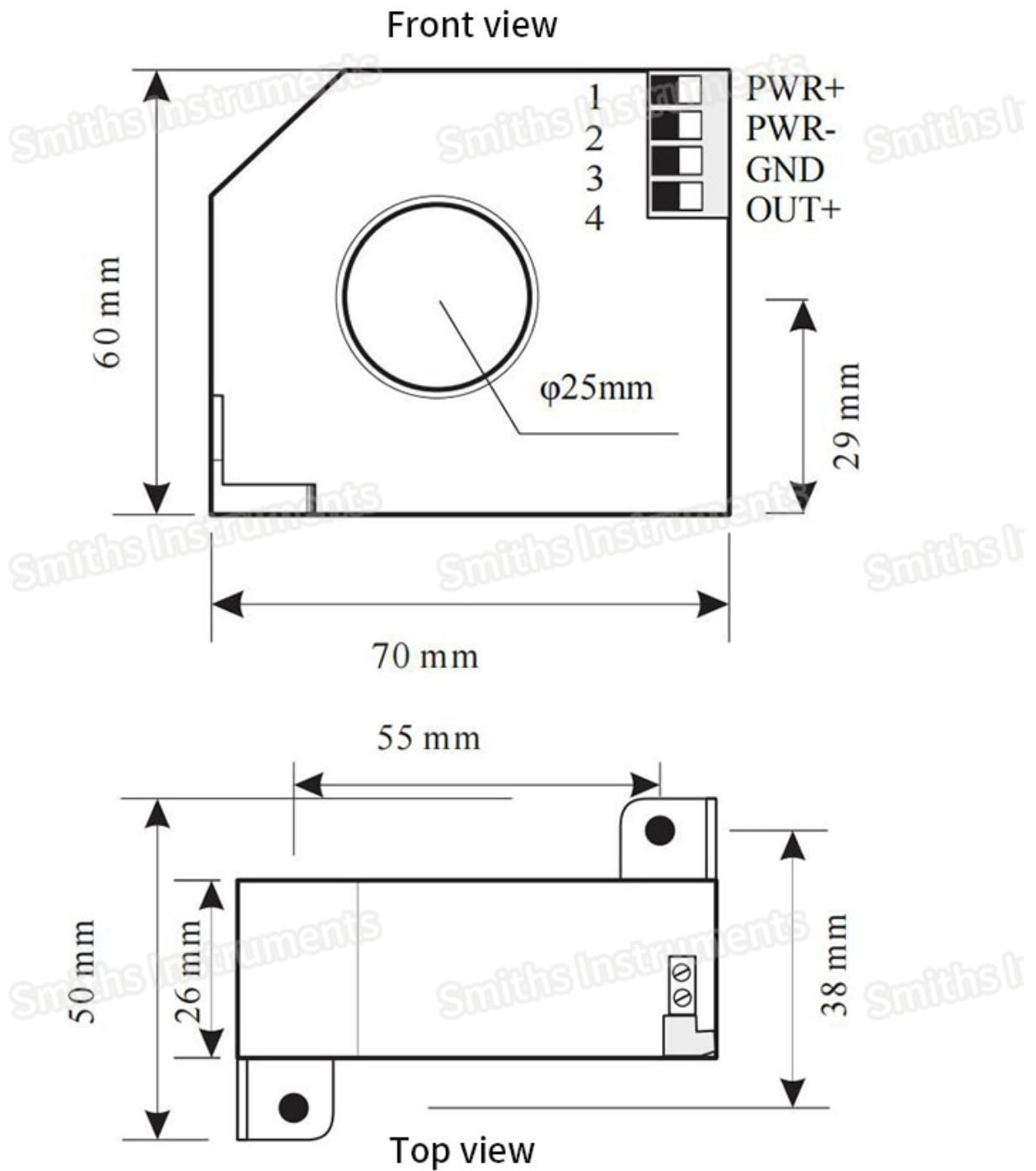
Product Selection

Product Selection

Model: ELLCT-12						
Input:	A1: 0~5mA	A2: 0~10mA	A3: 0~20mA	A4: 0~50mA	A5: 0~100mA	
	A6: 0~200mA	A7: 0~500mA	A8: 0~800mA	A9: 0~1000mA	A10: Customization	
	Output:					
	O1: 4~20mA	O2: 0~20mA	O3: 0~5V	O4: 0~10V	O5: 1~5V	O6: RS485
Power supply:						
P1: DC12V P2: DC24V P3: Customization						
Aperture diameter: D1: 25mm(default)						
ELLCT-12 A1 O1 P1 D1 (Product function: ELLCT-12, input 0~5mA, output 4~20mA, power supply DC12V, 25mm dia.)						

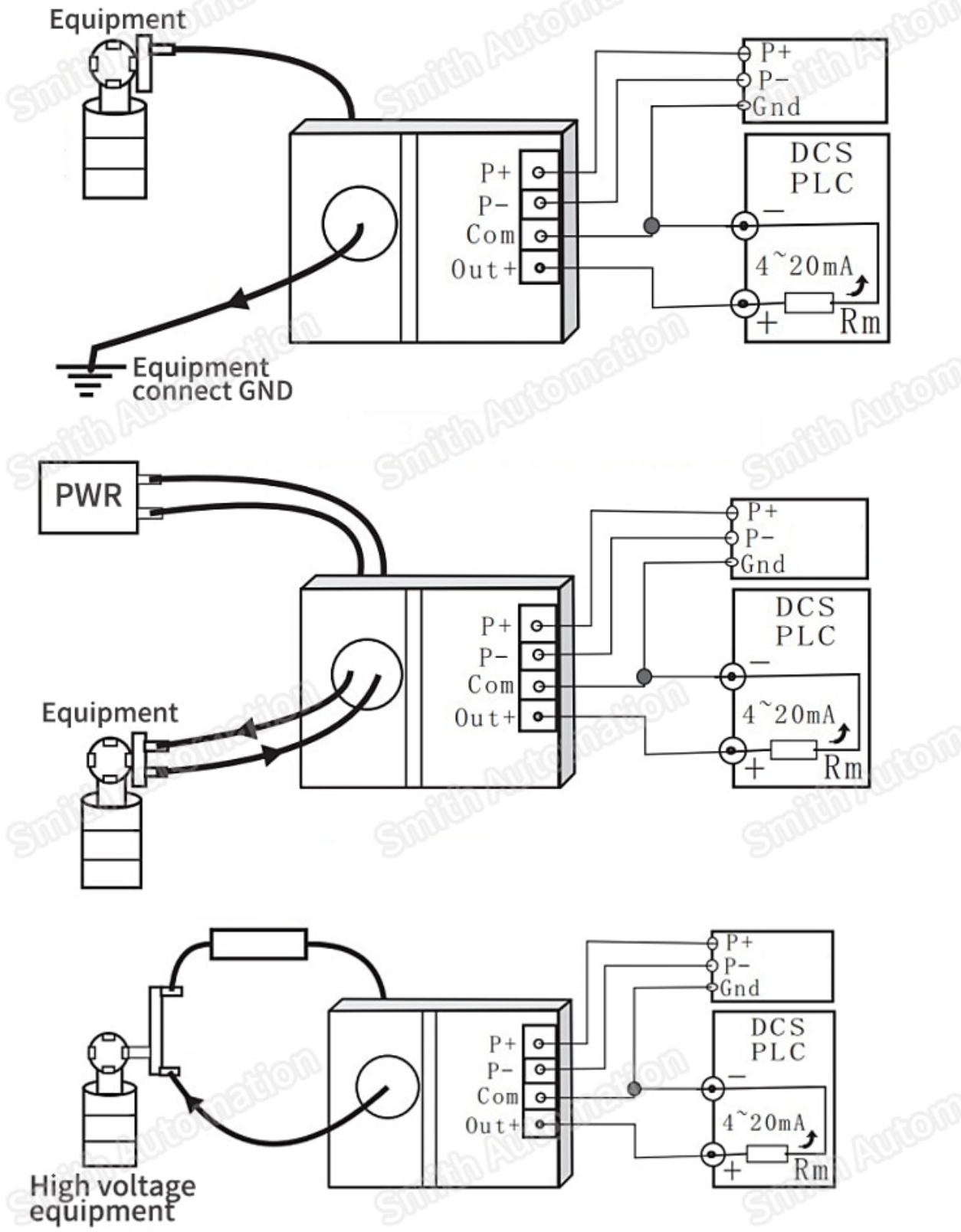
Product Dimension

Product Dimension



Wiring Diagram

Wiring Diagram



AC/DC Leakage Current Transducer

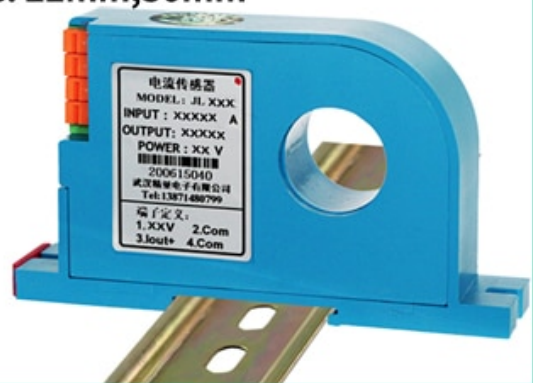
AC/DC 5mA~2A



Model: ELLCT-12
Hole: 25mm



Model: ELLCT-10
Hole: 22mm, 30mm



Model: ELLCT-8
Hole: 32mm



Model: ELLCT-6
Hole: 10mm (PCB pin)



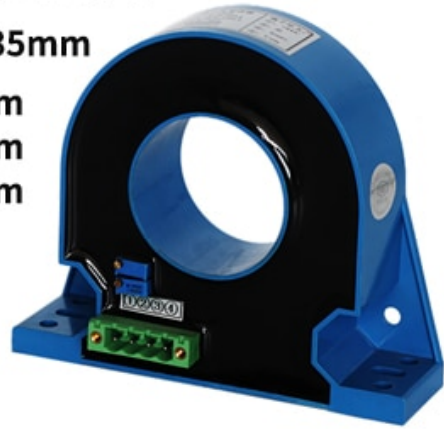


Model: ELLCT-4
Hole: 12mm



Model: ELLCT-8
Hole: 35mm

- 45mm
- 55mm
- 72mm



Model: ELLCT-14
Hole: 6mm

- 8mm
- 12mm
- 15mm



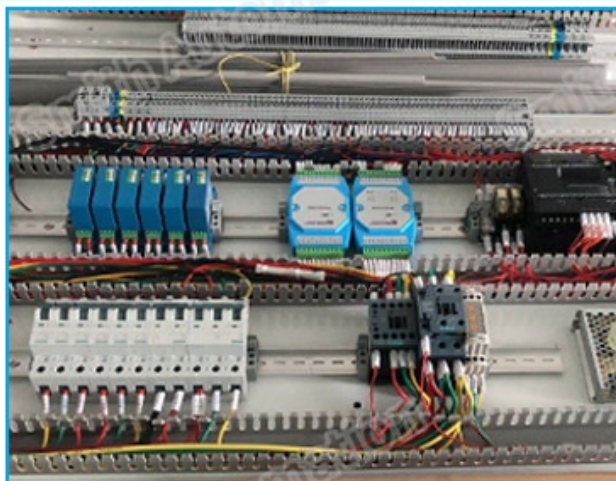
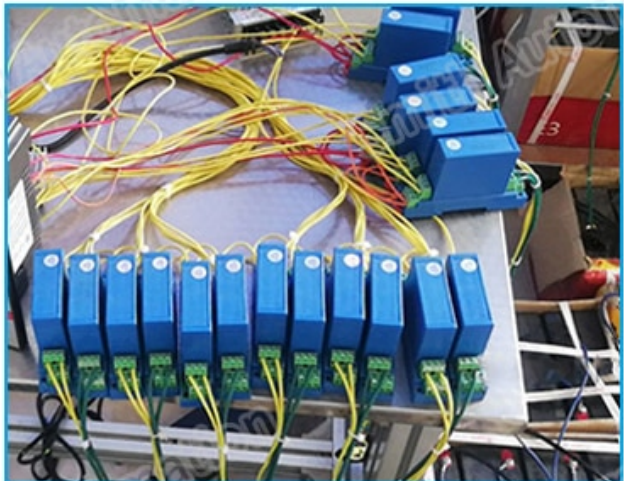
Model: ELLCT-14-2
Hole: 6mm

- 8mm
- 12mm
- 15mm



Product Application

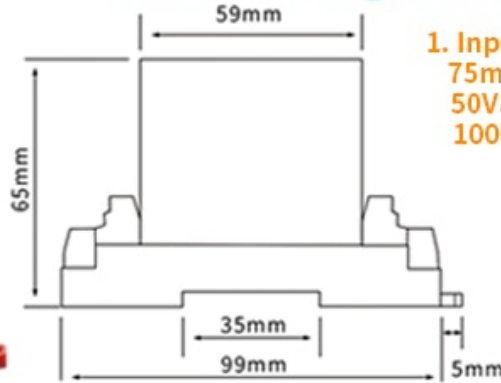
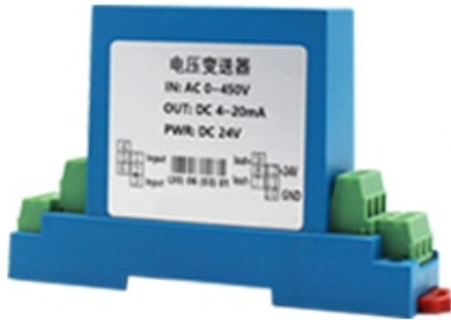
Product Application



Various Models

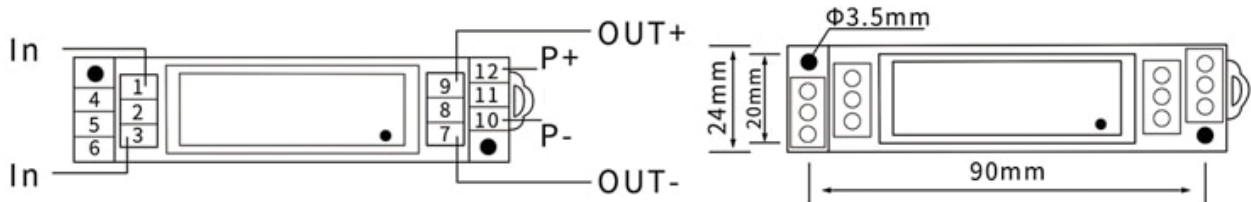
ELVTB-7

AC/DC Voltage Transducer



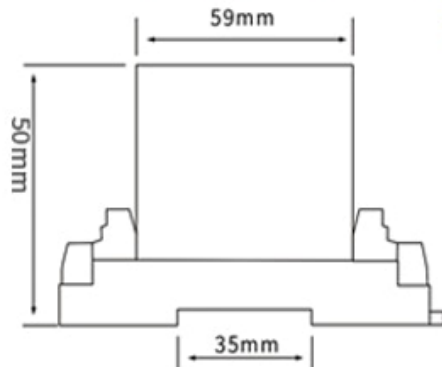
1. Input:
75mV, 1V,
50V, 100V,
1000V, 1500V

2. Output:
4~20mA
0~20mA
0~5V
0~10V
1~5V



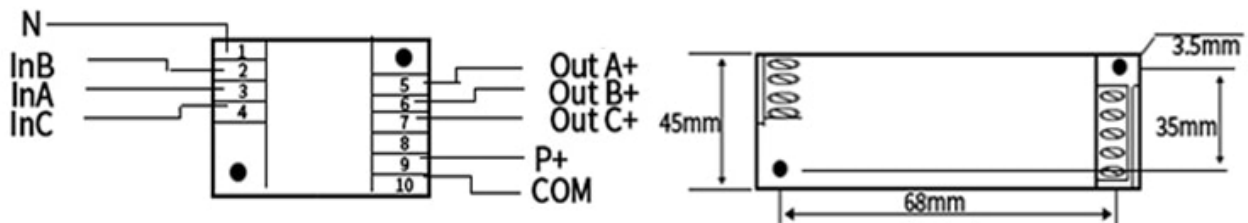
ELVT-3P1

3 phase Voltage Transducer



1. Input:
5V, 50V,
100V, 220V,
380V, 500V

2. Output:
4~20mA
0~20mA
0~5V
0~10V
1~5V



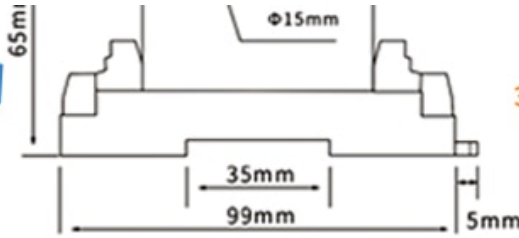
ELCT-14

Hall Current Transducer



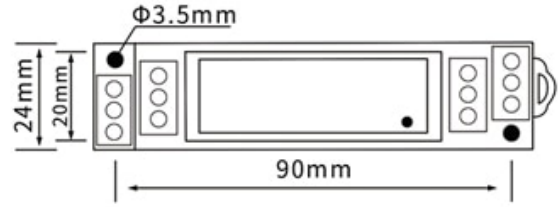
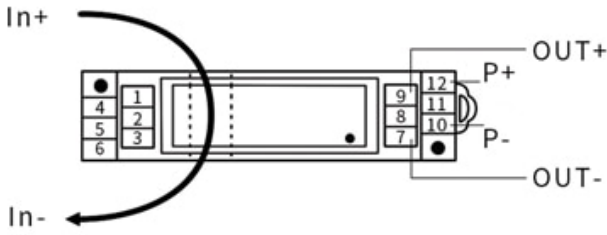
1. Input:
5A, 10A,
20A, 50A,
100A, 150A

2. Output:
4~20mA
0~20mA
0~5V
0~10V



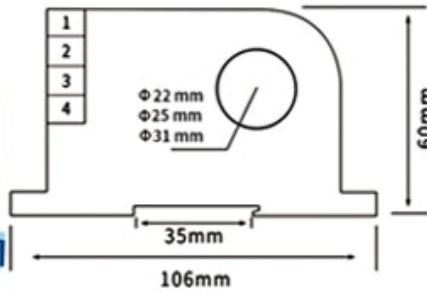
1~5V

3. Aperture diameter:
4mm
8mm
12mm
15mm



ELCT-10

Hall Current Transducer



1. Input:
5A, 20A,
50A, 100A,
400A, 500A,
600A, 800A

2. Output:
4~20mA
0~20mA
0~5V
0~10V
1~5V

3. Aperture diameter:
22mm
25mm
31mm

