

Product Series: FCT**01T Series Current Transmitters

Product Introduction:

The primary side and secondary side of the FCT**01T Series Current Transmitters are completely isolated. They can be used for the measurement of current signals of direct current, alternating current, high frequency, pulse, and various irregular waveforms.



Product Features:

- ★ Multi-range current sensor
- ★ Multiple power supply options available
- ★ Multiple output forms
- ★ Low power consumption
- ★ 35mm DIN rail mounting or screw fixing
- ★ High bandwidth, low loss
- ★ Complete isolation between primary and secondary

Product Advantages:

- ★ High accuracy
- ★ Overload/reverse connection protection
- ★ Strong anti-interference capability
- ★ Low temperature coefficient
- ★ High magnetic induction core
- ★ High-quality pure copper coil
- ★ ABS flame-retardant housing

Application Fields:

- ★ Power industry
- ★ Railway industry
- ★ Photovoltaic industry
- ★ Petrochemical industry
- ★ Electric control cabinet matching
- ★ Power monitoring system

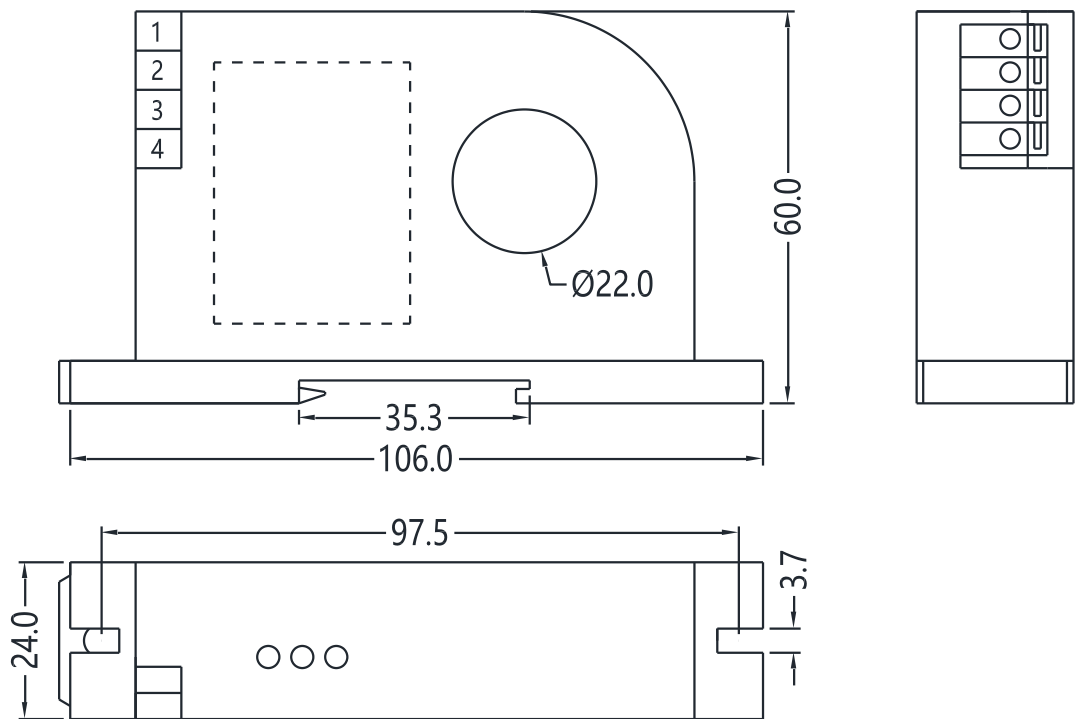
Reference Standards:

- ★ GB/T 34070-2017
- ★ UL 508:2010
- ★ EN 50178:1997
- ★ IEC 61010-1:2010
- ★ IEC 61326-1:2012

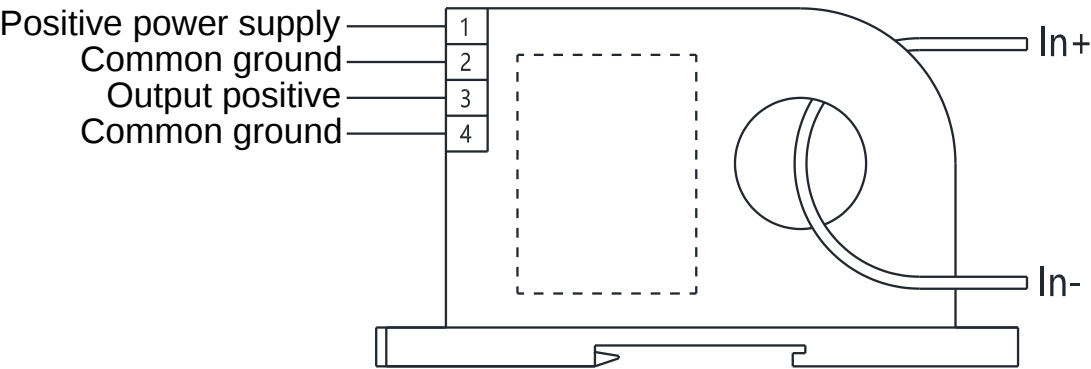
Basic Technical Parameters

Item	Technical Parameters
Accuracy Class	0.5 Class
Power Supply	12VDC/24VDC/220VAC
Input Range	50A/100A/200A/300A/400A AC(DC customizable)
Output Signal	4 - 20mA/0 - 20mA/0 - 5V/0 - 10V/RS - 485
Ambient Temperature	-25~+60°C
Load Capacity	550Ω
Isolation Withstand Voltage	DC 2500V
Response Time	≤500mS
Temperature Drift Coefficient	≤100PPM/°C
Housing Material	ABS Flame - Retardant
Mounting Method	Standard 35mm DIN Rail or Screw Fixing

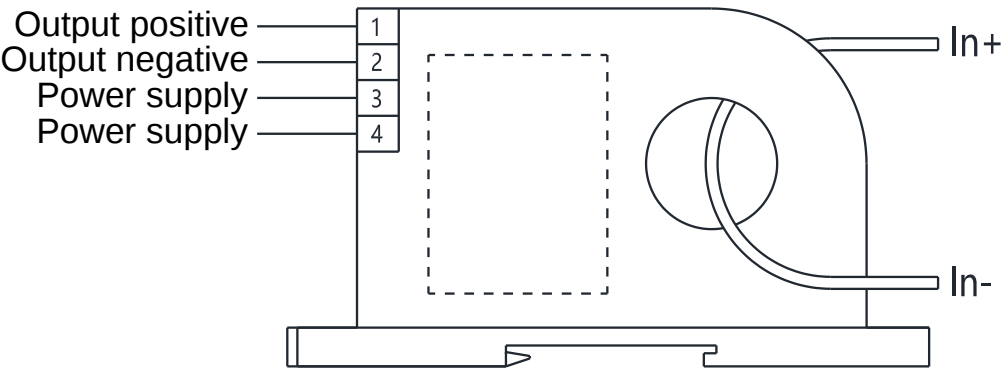
Product Dimension Diagram (Unit: mm)



Product Wiring Diagram



Wiring Diagram for DC +12V/+24V Power Supply



Wiring Diagram for AC 220V Power Supply