

Product: 1 Element DC Hall Effect Analog Current Transducer

Series: CE-IZ04-A Case Style A

Input Range: 30-500A ~ 100-800A

Output: 0-4V / 0-5V / 0-20mA / 4-20mA

Power Source: ±12 V / ±15V

Accuracy: 1.0%

1. List of Options

| SERIES | OUTPUT | POWER SOURCE | WINDOW(mm) | CASE STYLE | INPUT RANGE |
|-----------|--|--------------------|------------|------------|-------------|
| CE-IZ04-A | 9: 0-4V 3: 0-5V | 5: ±12V 6: ±15V | 20 × 10 | A1 | 0-50~600A |
| | | | ∅ 23 | A2 | 0-30~500A |
| | | | 21 × 10 | A3 | 0-50~600A |
| | 9: 0-4V; 3: 0-5V 4: 0-20mA; 5: 4-20mA | | 33 × 16 | A4 | 0-100~800A |
| | 33 × 11 | | A5 | 0-100~500A | |
| | 9: 0-4V 3: 0-5V | | ∅ 16 | A6 | 0-50~400A |
| | ∅ 20.4 | | A8 | 0-100~400A | |

2. Specifications

| | | | |
|----------------------------|---|------------------------------------|-----------------|
| LINEARITY RANGE | 1.5 times of the maximum of measuring range | RESPONSE TIME | 10μS |
| OVERLOAD CAPABILITY | 5 times of the maximum of measuring range | CURRENT CONSUMPTION | ≤ 25mA |
| ACCURACY | 1% | ISOLATION | 3KVRMS/50Hz/min |
| OFFSET VOLTAGE | ±25mV | OPERATING TEMPERATURE RANGE | -10°C ~ +80°C |
| HYSTERESIS ERROR | ±10mV | STORAGE TEMPERATURE RANGE | -25°C ~ 85°C |
| TEMPERATURE DRIFT | ≤ 250ppm/°C | FIRE RETARDANCY | UL94-V0 |

3. Connection

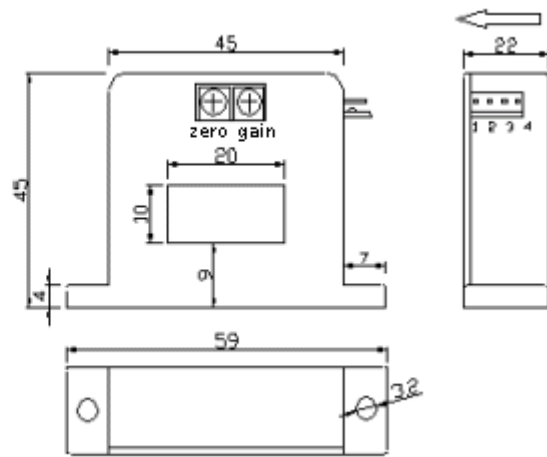
The current carrying cable must pass through the window. The phase of output is the same as that of the current passing the window in the direction of the arrow indicated on the case.

Wiring of Terminals for case style A1, A2, A3, A4, A5, A6, A7, A8

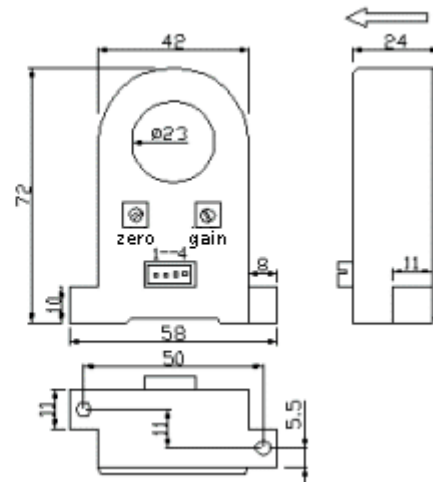
1. +15V/+12V Power Source
2. -15V/-12V Power Source
3. Output
4. Ground
5. NC (only A6)

4. Cases of series A

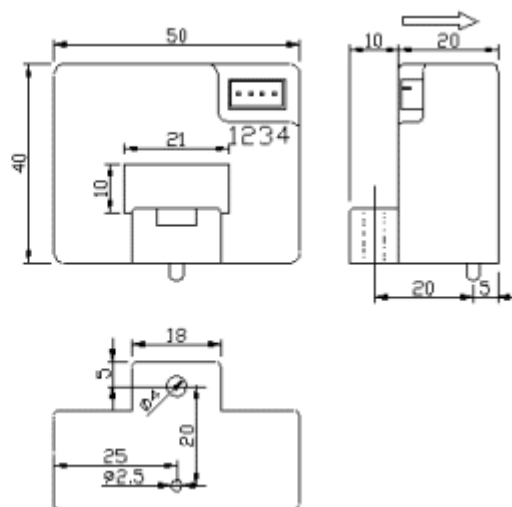
Type A1:



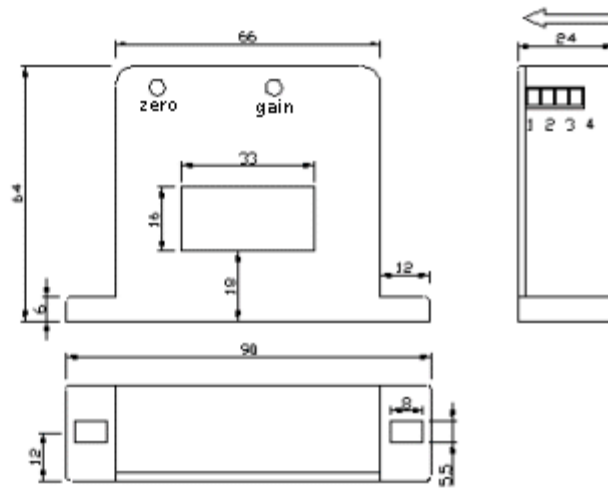
Type A2:



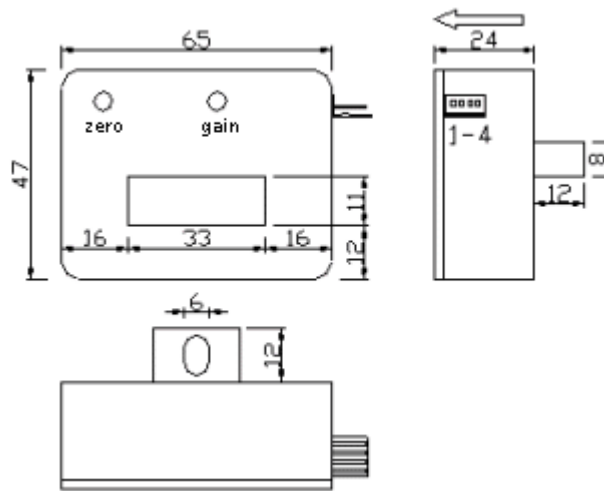
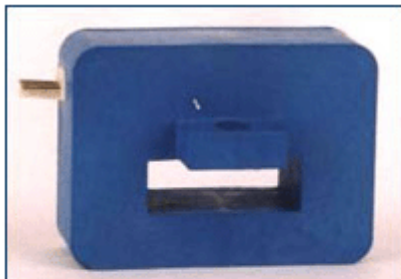
Type A3:



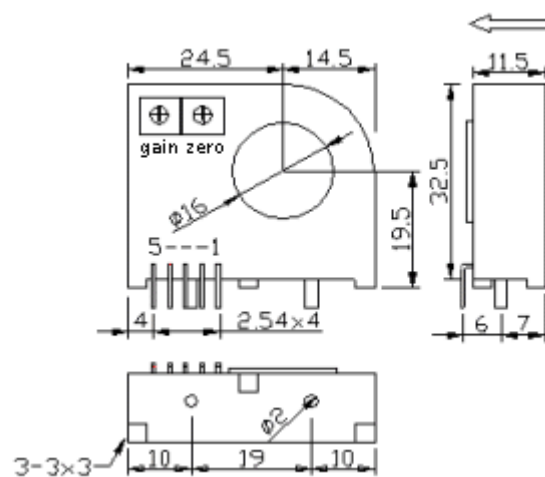
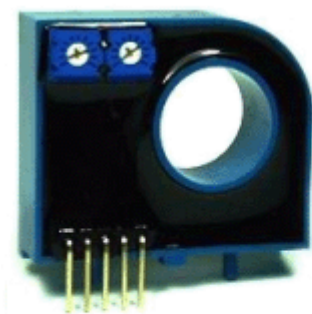
Type A4:



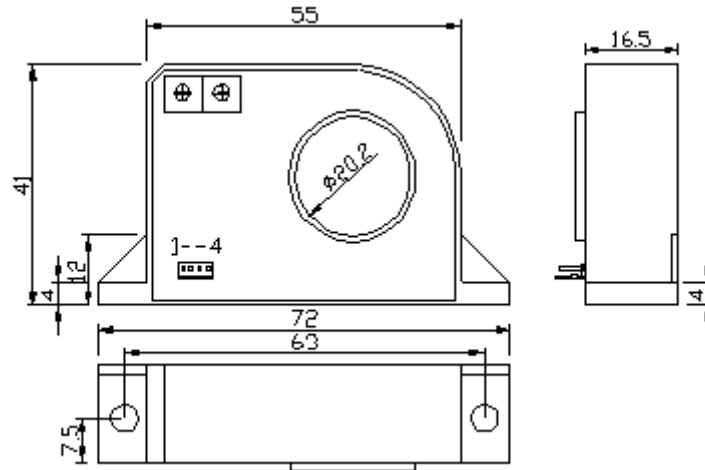
Type A5:



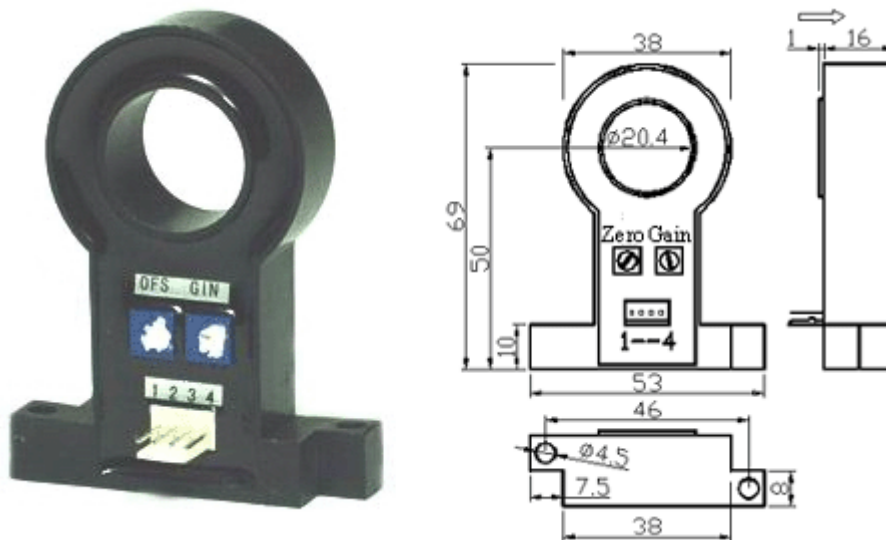
Type A6:



Type A7:



Type A8:



Application Characteristic: Can be used for measuring DC, AC, pulsed currents, etc. The output of the transducer reflects the real wave of the current carrying conductor.

Characteristic of Products: Small size, light in weight, less power consumption, window structure, electrically isolating the output of the transducer from the current carrying conductor, no insertion loss.

Application: Frequency conversion timing equipment, various POWER SOURCE, UPS, electric welding machine, transformer substation, numerical control machine tool, electrolyzing equipment, electroplating equipment, electric powered locomotive, microcomputer monitoring, electric power net monitoring.

Notes

1. Connect the terminals of POWER SOURCE, outputs respectively and correctly, never make wrong connection.
2. Two potentiometers can be adjusted, only if necessary, by turning slowly to the required accuracy with a small screwdriver.
3. The best accuracy can be achieved when the window is fully filled with bus-bar (current carrying conductor).
4. The in-phase output can be obtained when the direction of current of current carrying conductor is the same as the direction of arrow marked on the transducer.