Product: *1 Element DC Hall Effect Analog Current Transducer*
Series: *CE-IZ04-E Case Style E*
Input Range: *10mA-10A ~30-1200A*
Output: *0-5V / 4-20mA*
Power Source:*±12 V /±15V*
Accuracy: *1.0%*

1. List of Options

SERIES	*WINDOW (mm)*	*INPUT RANGE*	*OUTPUT*	*POWER SUPPLY*
CE-IZ04-☐☐E1	*20.5 × 10.5*	*0-100A~1200A*	***3:*** *0-5V* ***9:*** *0-4V*	***5:*** *±12V* ***6:*** *±15V*
CE-IZ04-☐☐E2	*∅ 15*	*0-10mA~2A*		
CE-IZ04-☐☐E3	*12.7 × 7*	*0-50A~100A*	***2:*** *0-50mA*	
CE-IZ04-☐☐E4	*∅ 21*	*0-10mA~10A*	***3:*** *0-5V* ***4:*** *0-20mA* ***5:*** *4-20mA* ***9:*** *0-4V*	***2:*** *+12V* ***3:*** *+15V* ***4:*** *+24V* ***5:*** *±12V*
		0-50A~400A		
CE-IZ04-☐☐E5	*∅ 43*	*0-10mA~10A*		
		0-50A~500A		
CE-IZ04-☐☐E6	*∅ 60*	*0-100A~1000A*		***5:*** *±12V* ***6:*** *±15V*
CE-IZ04-☐☐E7	*∅ 35.5*	*0-10mA~2A*	***3:*** *0-5V* ***9:*** *0-4V*	
CE-IZ04-☐☐E8	*∅ 20.5*	*0-10mA~2A*		
CE-IZ04-☐☐E9	*13.5 × 10.5*	*0-50A~125A*	***2:*** *0-50mA~125mA*	

2 .Specifications

CASE STYLE / SPECIFICATIONS	***E1, 4, 5, T***	***E3,9***	***E,2,6,7,8***
LINEARITY RANGE	*1.2 TIMES OF NOMINAL CURRENT*		
OVERLOAD CAPABILITY	*20 times of the maximum value of measuring range*	*2 times of the maximum value of measuring range*	
ACCURACY	*1%*	*0.5%*	*1%*
OFFSET VOLTAGE	*±20mV*		*±40mV*
OFFSET CURRENT		*±0.2mA*	
HYSTERESIS ERROR	*±10mV*	*±0.2mA*	*±20mV*
TEMPERATURE DRIFT	*≤250ppm/°C*		
RESPONSE TIME	*≤10μs*	*≤1μs*	*≤3μs*
CURRENT CONSUMPTION	*≤25mA*	*≤10mA+ output*	*≤25mA*
ISOLATION	*3KVRMS/50Hz/min*		
OPERATING TEMPERATURE RANGE	*-10°C~+80°C*		
STORAGE TEMPERATURE	*-25°C~85°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 E1, E2, E4, E5, E6,E7

1. +15V/+12V Power Source
2. -15V/-12V Power Source
3. Output
4. Ground

Wiring of Terminals for case style E3, E8

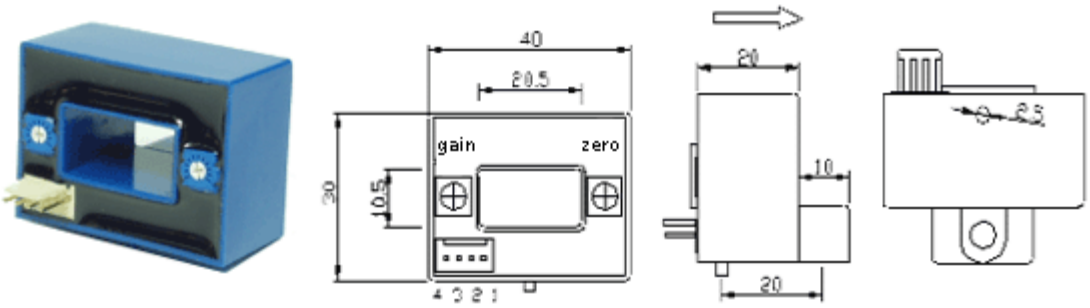
+: +15V/+12V Power Source
-: -15V/-12V Power Source
M: Output

Wiring of Terminals for case style E9

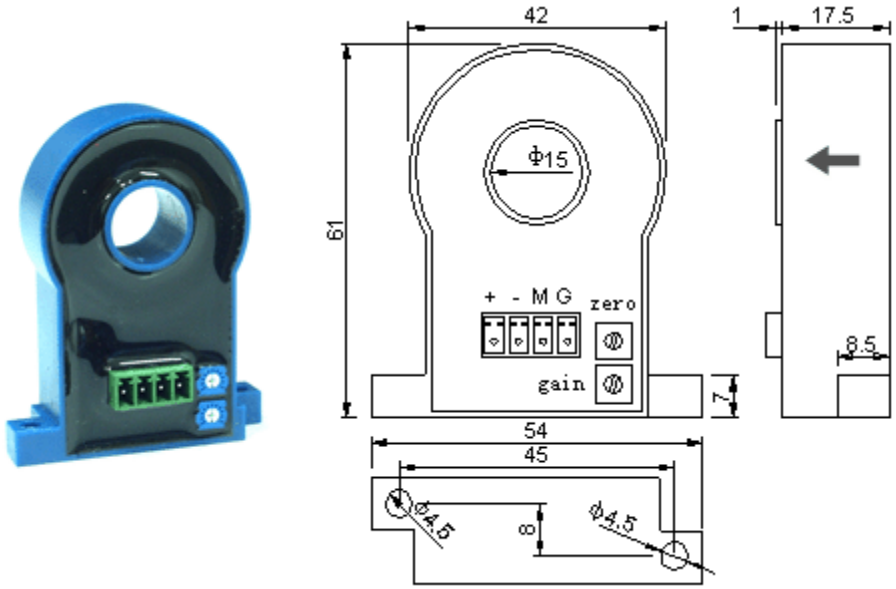
+: +15V/+12V Power Source
M: Output
-: -15V/-12V Power Source

4. Cases of series E

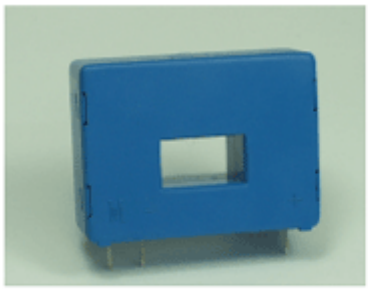
Type E1

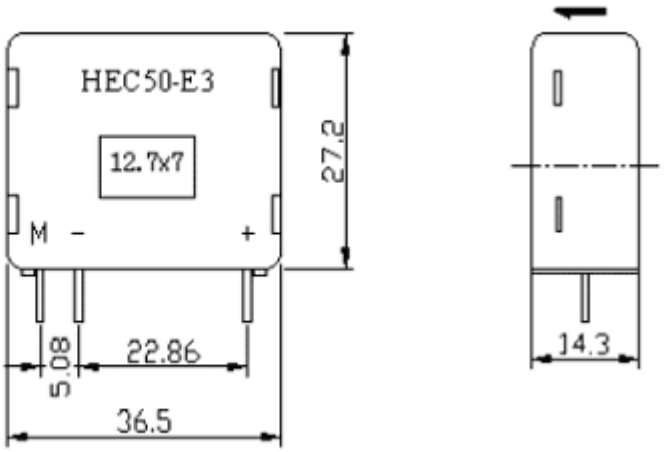


Type E2

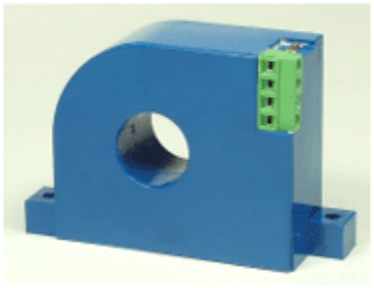


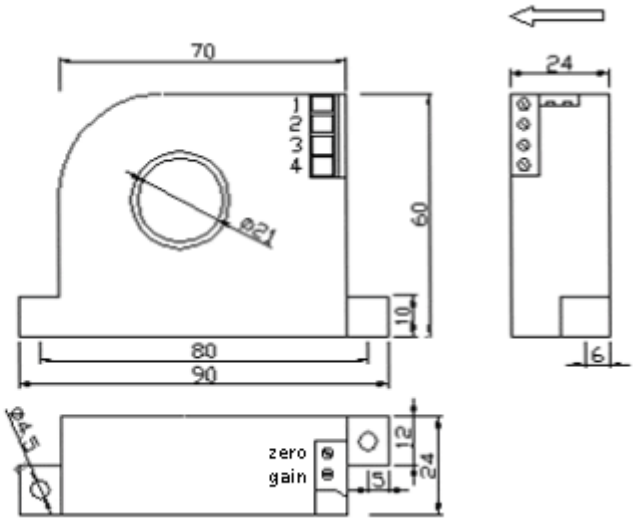
Type E3



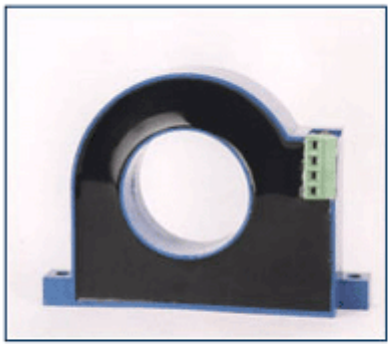


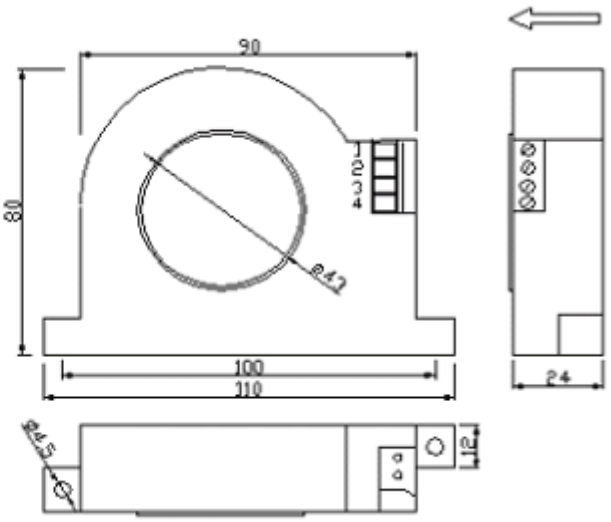
Type E4



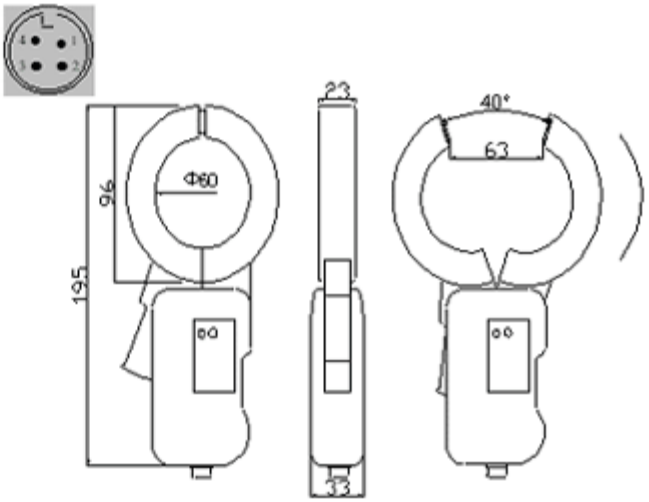


Type E5

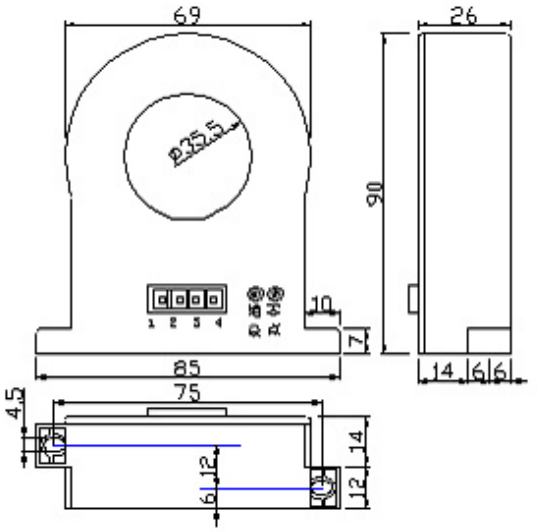




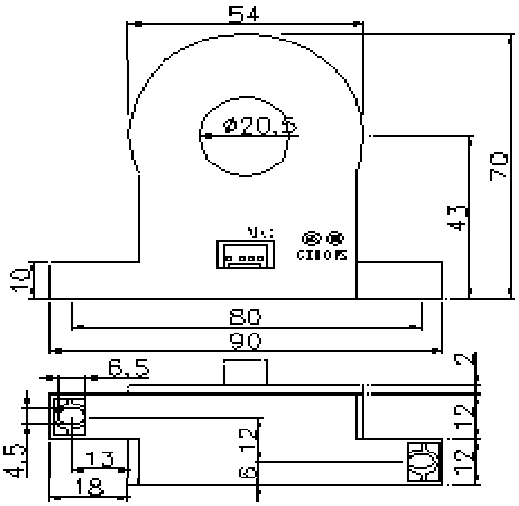
Type E6



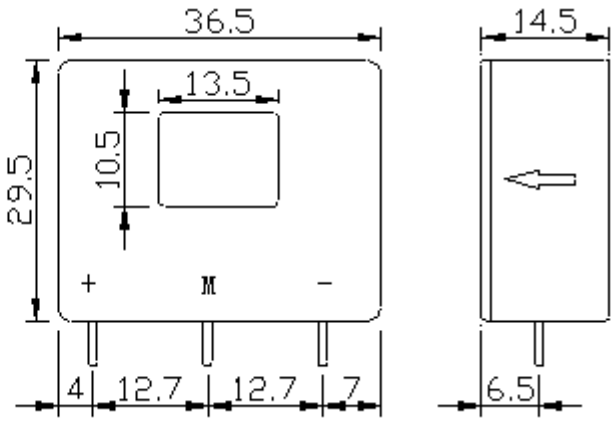
Type E7



Type E8



Type E9



NOTE

Case Style E4,5(10mA-10A)are mainly used for monitoring system for current leakage.

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.*

- *Leakage current*
- *Ground fault*

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.