Product: *1 Element DC Hall Effect Analog Current Transducer*
Series: *CE-IZ04-C Case Style C*
Input Range: *100A~10000A*
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-☐☐C1	∅ 42	0-100A~1000A	3: 0-5V 4: 0-20mA 5: 4-20mA 9: 0-4V	2: +12V 3: +15V 4: +24V 5: ±12V 6: ±15V
CE-IZ04-☐☐C2	62 × 15	0-200A~1800A		
CE-IZ04-☐☐C3	85 × 15	0-500A~2800A		
CE-IZ04-☐☐C4	125 × 26	0-300A~6000A		
CE-IZ04-☐☐C5	150 × 40	0-300A~6000A		
CE-IZ04-☐☐C6	125 × 15	0-200A~5000A		
CE-IZ04-☐☐C7	51 × 12	0-300~1500A		
CE-IZ04-☐☐C8	∅ 22	0-50A~1000A		
CE-IZ04-☐☐C9	∅ 35	0-50A~1000A		
CE-IZ04-☐☐C10	104 × 20	0-500A~5000A		
CE-IZ04-☐☐C11	182 × 70	0-4000A~10000A		
CE-IZ04-☐☐C12	41 × 11	0-100A~1000A		
CE-IZ04-☐☐C13	85 × 27	0-500A~2500A		
CE-IZ04-☐☐C14	210 × 110	0-10000A~30000A		
CE-IZ04-☐☐C16	104 × 40	0-500A~2500A		

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	±20mV	OPERATING TEMPERATURE RANGE	-10°C ~ +80°C
HYSTERESIS ERROR	±10mV	STORAGE TEMPERATURE RANGE	-25°C ~ 85°C
TEMPERATURE DRIFT	≤500ppm/°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 C1, C2, C3, C4, C5, C6, C7, C8, C9, C10, C12, C16

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

Wiring of Terminals for case style C11, C14

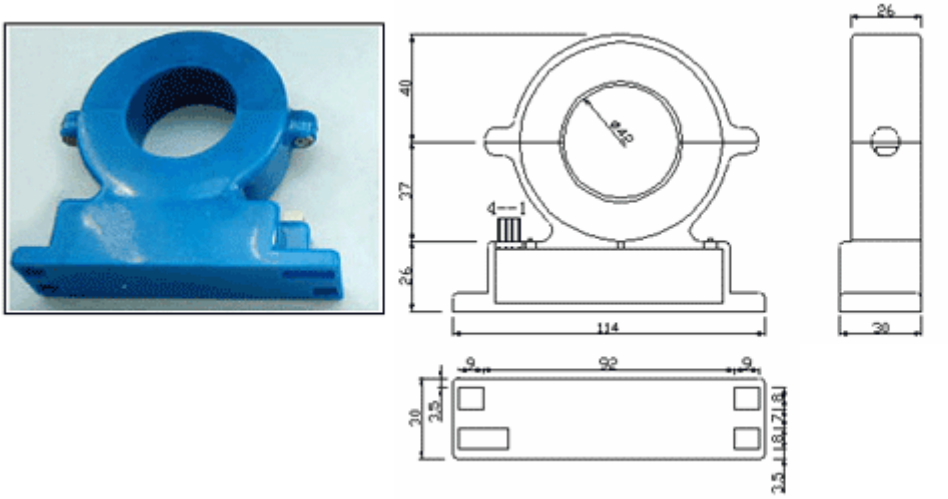
1. +15V/+12V Power Supply
2. Output
3. Ground
4. -15V/-12V Power Supply

Wiring of Terminals for case style C13

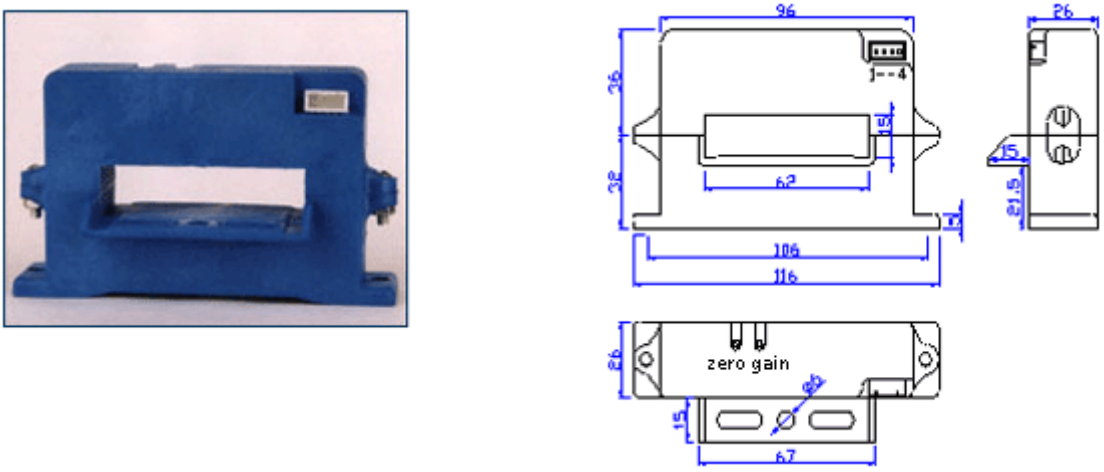
1. +15V/+12V Power Supply
2. Ground
3. -15V/-12V Power Supply
4. Ground
5. Output

4. Cases of series C

Type C1:



Type C2:



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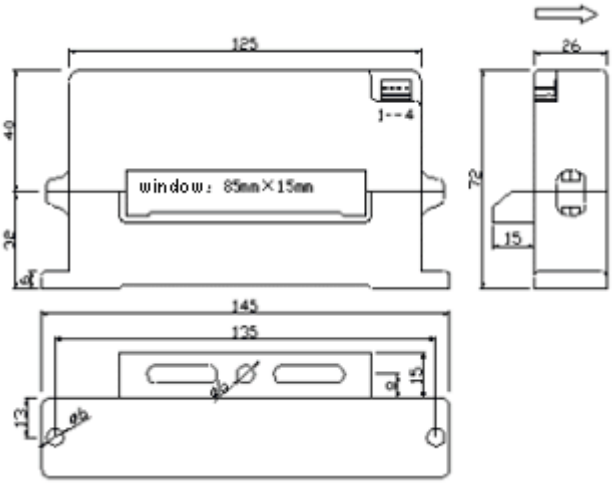

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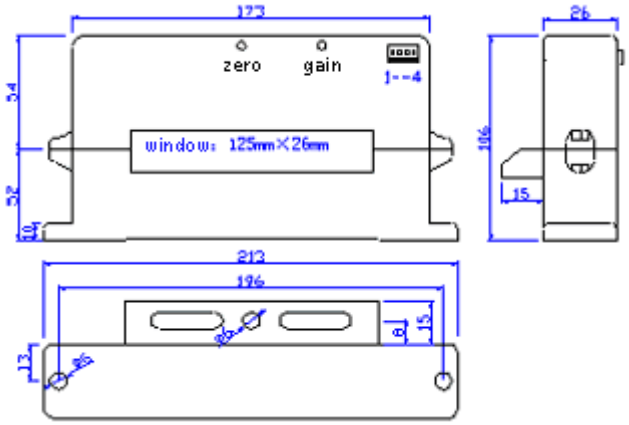

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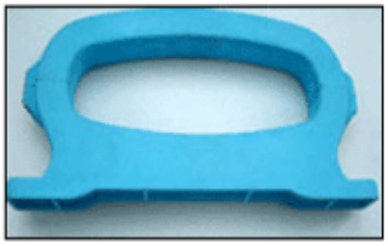

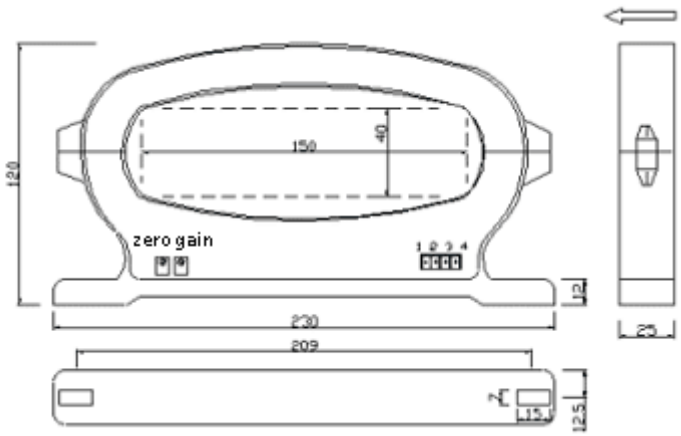

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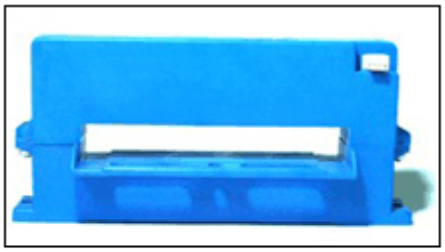
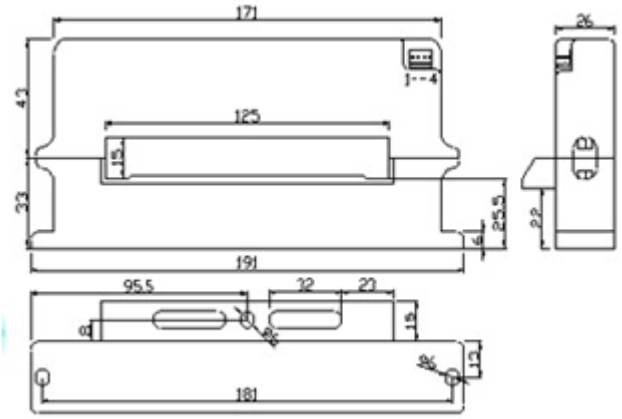
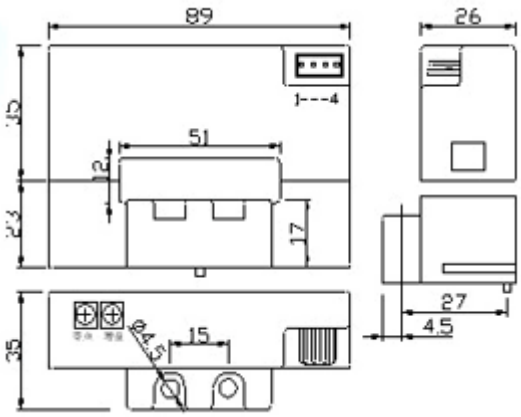




Type C7:



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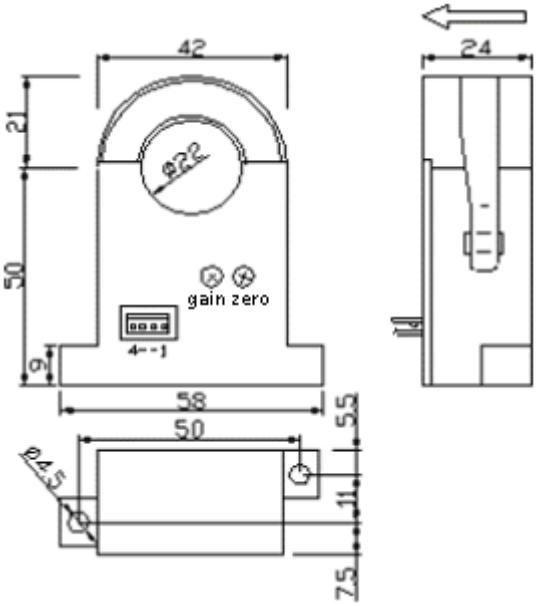

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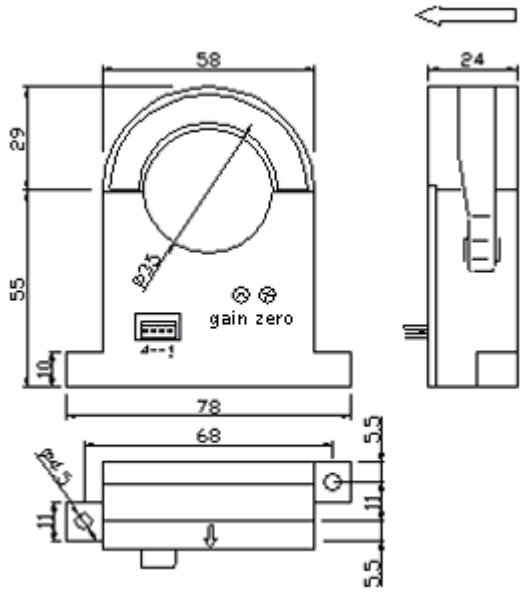

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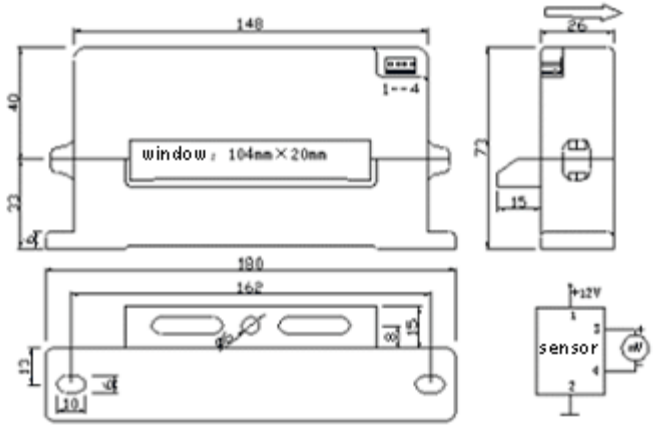

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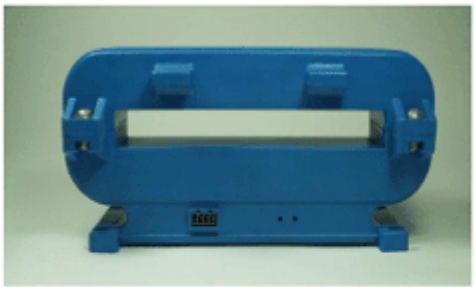

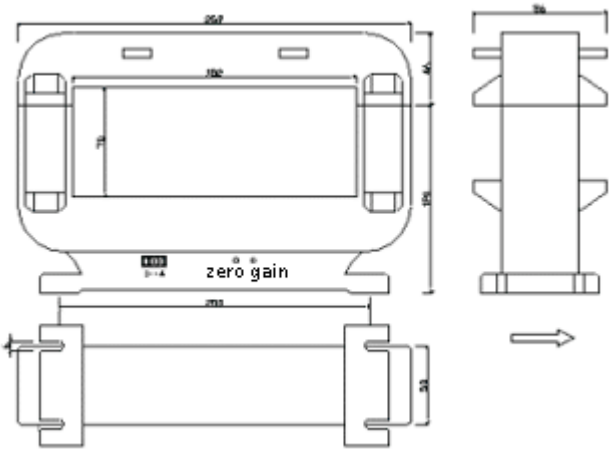

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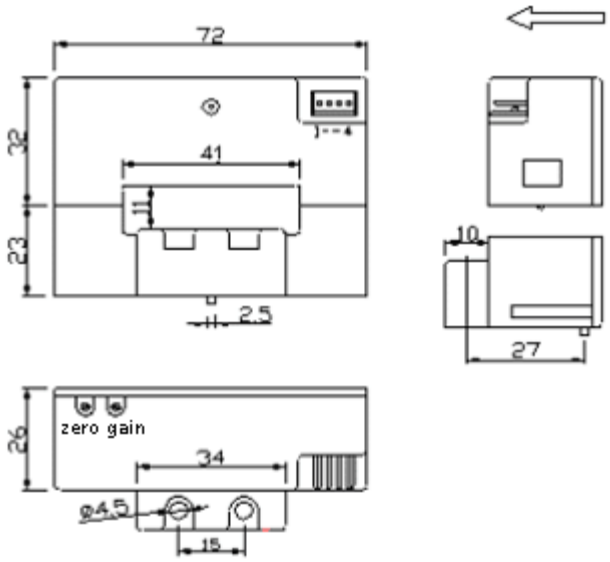

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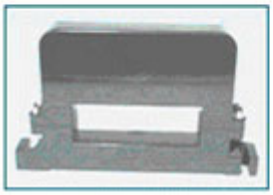

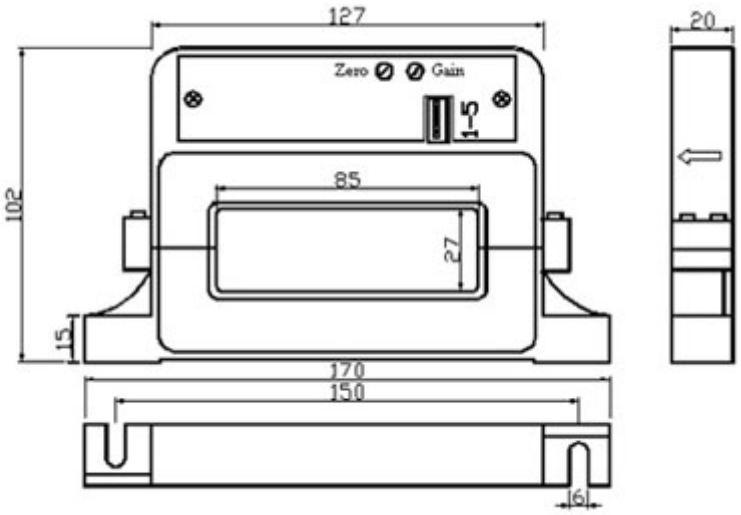

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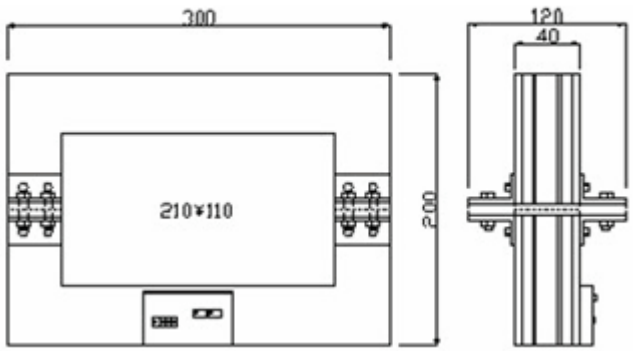

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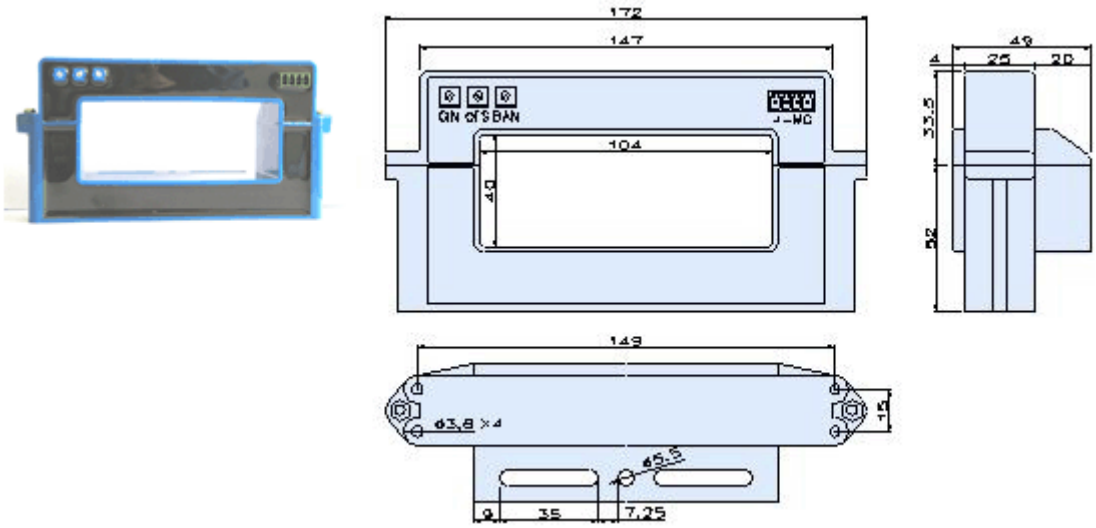

Application Characteristic: *Can be used for measuring DC, AC, pulsed currents, etc. The output of the transducer reflects the real wave of the current carrying conductor.*

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.