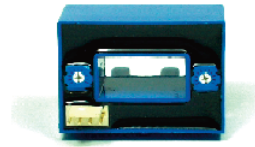
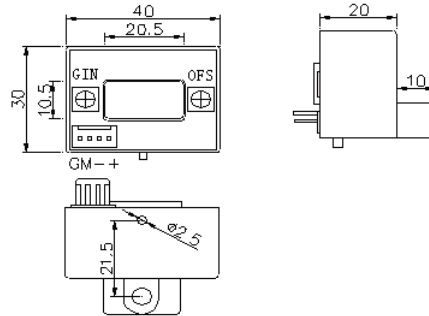




DC HALL EFFECT CURRENT TRANSDUCERS



L*W*H: 40*30*30mm



PART NUMBER							
CRH	-	E	(1,3,4,5,6,7)	-	(2,3,4,5,9)	(5, 6)	/

SERIES	Window (mm)	CASE STYLE	OUTPUT FUNCTIONS	POWER SUPPLY	INPUT RANGE
CRH	20.5 X 10.5	E1	0-4V (9), 0-5V (3)	±12V (5)	0-50~600A
	12.7 X 7	E3	0-50mA (2)		0-50
	12.7 X 7	E3			0-100
	Φ21	E4	0-4V (9), 0-5V (3) 0-20mA (4) 4-20mA(5)		or
	Φ21	E4		±15V (6)	0-50~400A
	Φ43	E5			0-10mA~10A
	Φ60	E6			0-300~1200A
	Φ35.5	E7	0-4V (9), 0-5V (3)		0-0.01~10A

SPECIFICATIONS	CASE STYLE E1, 4, 5, 6	E3	E7
LINEARITY RANGE	1.5 TIMES OF NOMINAL CURRENT		
OVERLOAD CAPACITY	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		±.02mA	
HYSTERESIS ERROR	±10mV	±.02mA	±20mV
TEMPERATURE DRIFT	≤250ppm/°C		
RESPONSE TIME	≤10μS	≤1μS	≤3μS
CURRENT CONSUMPTION	≤25mA	≤10mA + output current	≤25mA
ISOLATION	3KVRMS/50Hz/min		
OPERATING TEMPERATURE RANGE	-10°C ~ +80°C		
STORAGE TEMPERATURE RANGE	-25°C ~ 85°C		
FIRE RETARDANCY	UL-94V0		



Another HUNTINGTON ELECTRIC Company

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DC HALL EFFECT CURRENT TRANSDUCERS

NOTE: Case Style E4, 5 (10mA-10A) are mainly used to measure or monitor system for current leakage.

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

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

Application: Frequency conversion speed adjusting equipment, various power supply, UPS, electric welding machine, transformer substation, numerical control machine tool, electrolyzing equipment, electroplating equipment, electric powered locomotive, microcomputer monitoring, electric power grid monitoring.

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,E4,E5,E6,E7:

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

Wiring of Terminals for case style E3:

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

Notes:

1. Connect terminals of power supply, 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 carrying conductor is the same as the direction of arrow marked on the transducer case.



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