

Current Transducer/Sensor



A2 1-way DC Current Transducer

FEATURES

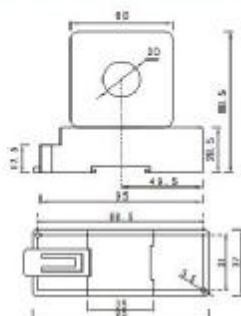
Hall open loop operation principle, can measure current in any waveform, the output terminal can reflect the waveforms parameters of input current;
Controlled by temperature compensation circuit, measure accurately;
Perforation input, standard din rail(35mm) mounting;
The measuring head can be rotated, it is convenient to thread wire from different angle;
It was widely applied to all kinds of industrial current online detection system;
Dimension(mm):95(L)×37(W)×88.5(H), aperture: 20mm;
Can RS485 output

MODEL 【★TRMS detection should plus A after D12】

LF-D12-A2-1.0/

Model selection 1: LF-D12-12A2-1.0/0~100A
Explanation: this product is a 0~100A input range, 0~5V tracking output, 12V power supply, A2 style 1-way DC current transducer.

DIMENSION DIAGRAM



NOTE

1. Notice the auxiliary power supply information on the label, make sure power supply's degree and polarity are correct before power on.
2. When the transducer used in a strong magnetic environment, the shelter of the input wire, output signal should be as short as possible.
3. This product use the flame retardant ABS plastic case(its utmost temperature is +85℃), please don't bake the case in high temperature, or it will be distorted, influence product's performance.

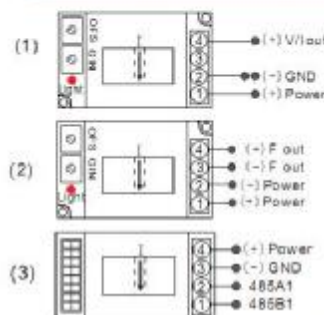
ELECTRICAL DATA

Standards.....IEC688:1992, QB/LF2007-1
Input Range...0~400A can choose 0~50A, 0~100A etc
Accuracy Grade.....≤1.0%F.S.
Linearity Degree.....better than 0.2%
Response Time.....≤10uS
Frequency Characteristics.....0~10KHZ
Offset Voltage.....≤20mV
Flame Retardancy.....UL94-V0
Temperature Characteristics.....≤100PPM/℃(0~50℃)
Power Consumption.....≤30mA+output current
Isolation Withstand Voltage.....AC2.0KV/min*1mA
among input/output/case
Overload Capacity.....2 times current continuous,
30 times 1 second
Working Environment.....-10℃~50℃,
20%~90% without condensation
Storage Environment.....-40℃~70℃,
20%~95% without condensation

MODEL REMARKS

- A. Output range:
1: 0~5V tracking output
1a: 0~4V tracking output
3: 0~5V
4: 0~20 mA
5: 4~20 mA
6: 1~5V
B: 0~10V
F: OC frequency signal output
T: Special output
R: RS485 output
B. Power supply:
2: 12V±10%
3: 15V±10%
4: 24V±15%
5: ±12V±10%
C. Current input range

CONNECTION DIAGRAM



OFS: Zero
GIN: Gain
Note: When the transducer leave factory, the output zero/gain has adjusted well, Please don't adjust it randomly in no special situation.

(1)Voltage, current output;(2)Frequency output;(3)RS 485 output

