Current Transducer/Sensor

A2 1-phase AC Current Transducer

FEATURES

Transforms the measured 1-phase AC current into the standard DC voltage or DC current output according to the linear proportion;
Excellent anti-interference ability and high accuracy(0.5%);
Perforation input, standard din rail(35mm) mounting;
The measuring head can be rotated, is convenient to thread wire from different angle;
It was widely used to all kinds of industrial current online detection system;
Dimension(mm): 95(L)×37(W)×88.5(H) aperture: 20mm

ELECTRICAL DATA

Standards.....GB/T 13850-1998, IEC688:1992
Input Range.....0~200A can choose 0~200mA, 0~5A etc
Accuracy Grade.....≤0.5%F.S.
Temperature Characteristics....≤100PPM/℃(0~50℃)
Power Consumption.....≤30mA+output current
Working Stability.....annual change<0.2%
Isolation Withstand Voltage.....AC2.0KV/min*1mA between input/output/case
Isolation Resistance.....≥100MΩ (DC500V)
Impulse Voltage.....5KV(peak value), 1.2/50uS
Response Time.....≤300mS
Overload Capacity.....2 times current continuous, 30 times current 1 second
Working Environment.....-10℃~50℃, 20%~90% without condensation
Storage Environment.....-40℃~70℃, 20%~95% without condensation

MODEL 【★TRMS detection should plus A after AI12】

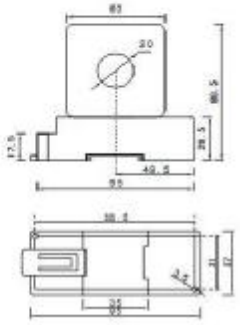
LF-AI12-□□A 2-0.5/□
A B C

Model selection1: LF-AI12-54A2-0.5/0~5A
Explanation: this product is a 0~5A input range, 4~20mA output, 24V power supply, A2 style 1-phase AC current transducer.

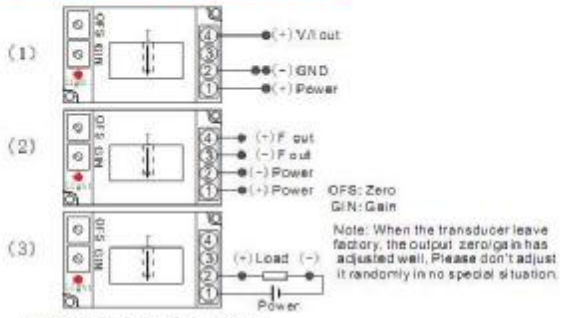
MODEL REMARKS

A. Output range:
3: 0~5V
4: 0~20 mA
5: 4~20 mA
6: 1~5V
7: two-wire system 4~20mA
8: 0~10V
F: OC frequency signal output
T: Special output
B. Power supply:
2: 12V±10%
3: 15V±10%
4: 24V±15%
C. Current input range

DIMENSION DIAGRAM



CONNECTION DIAGRAM



(1)Voltage, current output;
(2)Frequency output;
(3)Two-wire system 4~20mA output

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.