

Current Transducer/Sensor

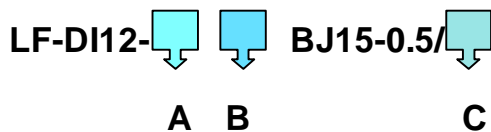


BJ15 DC Current Transducer

FEATURES

- ***Working principle:** Linear photoelectric isolating or demodulation principle
- ***Usage:** Used to measure the DC current
- ***Advantage:** The best performance/price ratio, fast response, high accuracy, good stability, small volume, light weight, easy installation, and measure the DC voltage input
- ***Application:** Widely used for measuring the DC current
- ***Dimension (mm):** BJ15: 77(L)×45(W)×50(H)

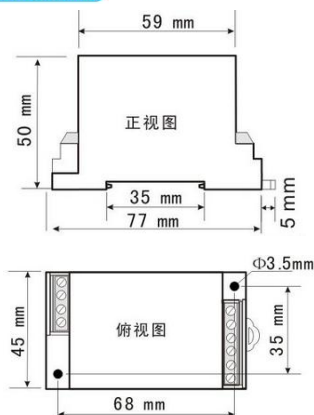
MODEL



Model selection1:LF- DI12-32 BJ15-0.5/10A

Explanation: this product is a 10A input range, Relay output, 12V power supply, BJ15 style DC Current Transducer

DIMENSION DIAGRAM



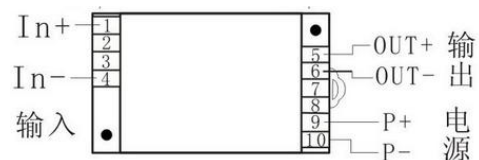
ELECTRICAL DATA

- *Input Range: 1mA~12A can choose 10mA, 10A etc
- *Accuracy Grade: $\leq 0.5\%$.F.S
- *Linearity Degree: better than 0.1%
- *Response Time: Photoelectric isolation < 15 us;
Modulation type < 150 ms.
- *Offset Voltage: $\leq 10\text{mV}$
- *Frequency Range: 20~5 KHz
- *Temperature Characteristics: $\leq 100\text{PPM}/^{\circ}\text{C}$ (0~50 $^{\circ}\text{C}$)
- *Power Consumption: $\leq 5\text{ mA}$
- *Load: Voltage output: 5mA, Current output: 6V
- *Over Load: 30 times of input
- *Isolation Withstanding Voltage:
AC3.0KV/min*1mA between input /output/ power
- *Flame Redundancy: UL94-V0
- *Working Environment:-10 $^{\circ}\text{C}$ ~70,
20%~90% without condensation
- *Storage Environment:-40 $^{\circ}\text{C}$ ~85,
-20%~95% without condensation

MODEL REMARKS

A---Output	B---Power supply
1. 0~10V	
3: 0~5V	2:12V $\pm 10\%$
4: 0~20mA	4:24V $\pm 15\%$
5: 4~20mA	
T: Special output	C---Current input range

CONNECTION DIAGRAM



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