

Current Transducer/Sensor

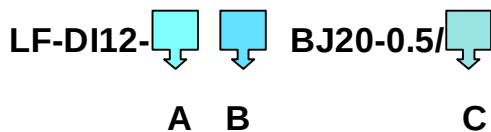


BJ20 DC Current Transducer

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 Voltage
- *Dimension (mm):** BJ20: 25(L) × 24(W) × 34(H)

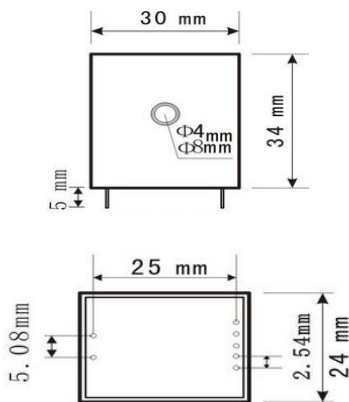
MODEL



Model selection1:LF- DI12-32 BJ20-0.5/10mA

Explanation: this product is a 10mA input range, Relay output, 12V power supply, BJ20 style DC Current Transducer

DIMENSION DIAGRAM



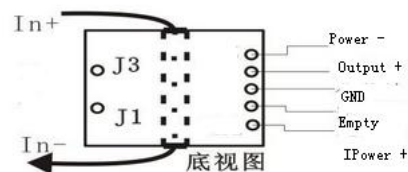
ELECTRICAL DATA

- *Input Range:** 1mA~500mA can choose 10mA, 100mA 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:** ≤ 10 mV
- *Frequency Range:** 20~5 KHz
- *Temperature Characteristics:** ≤ 100 PPM/ $^{\circ}\text{C}$ (0~50 $^{\circ}\text{C}$)
- *Power Consumption:** ≤ 5 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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