

SBW series temperature transmitter Operation Instruction



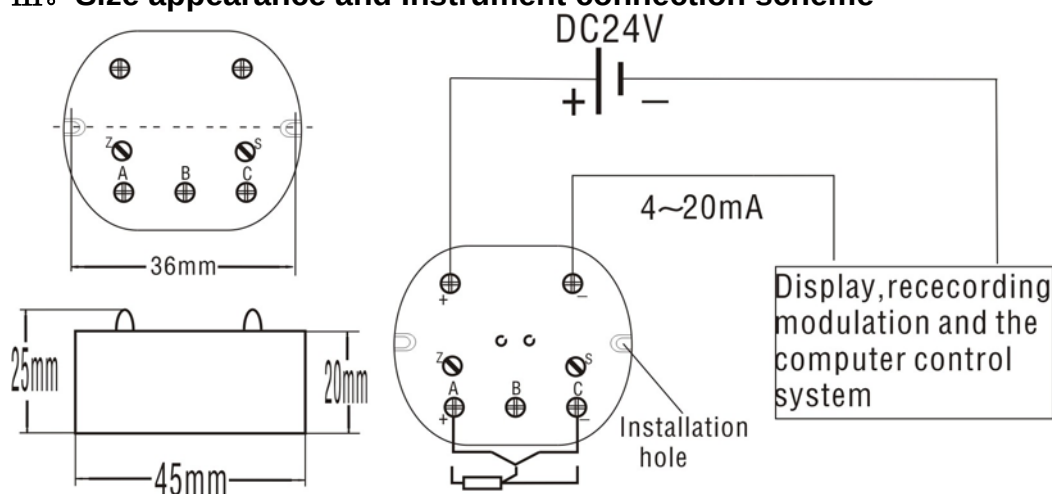
I 、 General introduction

SBW series temperature transmitter, is a field installation temperature-transmission unit, using two-wiring transmission system (power input and signals output for the two utility wires), output is with the measured temperature of a linear 4 ~ 20 mA current signal . Transmitter can be installed with the cable box of the thermocouple, heat resistance ,with the formation of integrated structure, but also as a functional module installed in the testing equipment. Thermocouple transmitter have cold-temperature with automatic compensation. SBW series temperature transmitter wider apply in industrial areas, to automate testing, transmission and control.

II 、 Main technical specification

- 1.Measurement precision: $\pm 0.5\% \text{F.S}$
- 2.Input type: K、 E、 J、 S、 B、 T、 PT100、 CU50
3. Output (two-wiring): output 4 ~ 20 mA in the range
- 4.Cold end compensating deviation: $< 1^{\circ}\text{C} \sim 2^{\circ}\text{C/K}$ 、 E、 J、 S
5. Load resistance: $0 \sim 600\Omega$
6. Working power: Rated voltage DC24V
The minimum voltage DC12V The maximum voltage 35V
(> 24V required an external 500 Ω protection resistance)
- 7.Working condition: temperature $-25^{\circ}\text{C} \sim 85^{\circ}\text{C}$, relative humidity $\leq 85\% \text{RH}$, without corrode and strong electric radiation.

III. Size appearance and Instrument connection scheme



IV. Model Sense

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 ① ②

①Input type:

Thermocouple: RK: K RE: E RJ: J
 RS: S RB: B RT: T

Thermal resistance: ZC: CU50 ZP: PT100

②Transmission range:

01: 0~100℃	02: 0~200℃	03: 0~300℃	04: 0~400℃
05: 0~500℃	06: 0~600℃	07: 0~700℃	08: 0~800℃
09: 0~900℃	10: 0~1000℃	011: 0~1100℃	012: 0~1200℃
013: 0~1300℃	51: -50~50℃	52: -50~100℃	53: 0~150℃
54: 0~50℃	025: 0~250℃	035: 0~350℃	045: 0~450℃

No special requirements: Power and output is second-line, non-isolated, DC24V power supply (special orders Call explanation)

★ Note: The Company will continue to improve product technology, design and specifications. If subject to change, are subject without notice.