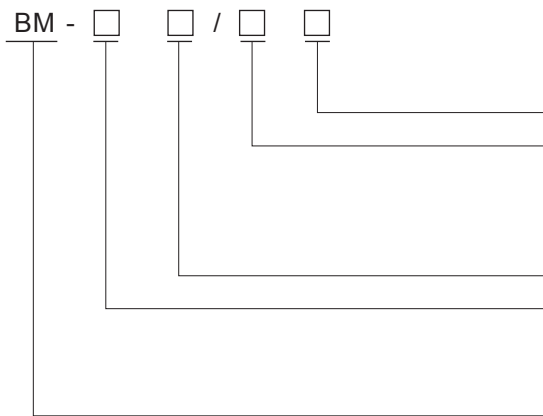


BM Series Transmitters

1 General

BM Series transmitters can measure current, voltage, temperature, resistance and potentiometer accurately and they transmit these signals to the standard analog signals, such as 4-20mA or 0-5V. They can be connected to digital display or automate device (PLC) to realize controlling automatically in the industries of electric, of petrification, of metallurgy, of pharmacy etc..

2 Specification



S- powered by output

Output type

I- Output current

V- Output voltage

II- 2 ways current

IV- 2 ways current and voltage

J- Alarm output

S- powered by input

Input type

AV- AC voltage

TC-Temcouple

DV-DC voltage

AI- AC current

R-Resistance

DI-DC current

Product Code

TR-Resistance temperature

VR-Potentiometer

3 Technical Feature

Model	BM-DIS/I	BM-AI/IS BM-AV/IS	BM-TR/IS BM-TR/I	BM-R/IS BM-VR/IS	BM-DI/IS BM-DV/IS	BM-DI/I BM-DI/V BM-DV/I BM-DV/V	BM-DI/II BM-DV/II BM-DI/VI BM-DV/VI	BM-TC/I BM-TC/V	BM-DI/J BM-DV/J BM-TR/J	
Precision	0.5%,0.2%									
Input	DC 4~20mA	AC 0~1A, 0~5A AC 0~500V	PT100	Resistance 0~10kΩ Potentiometer 0~10kΩ	DC 4~20mA or 0~20mA, DC 0~5V or 0~10V		Resistance temperature Pt100,Cu50, BA1,BA2 Thermocouple J,K,B,R,S,T,E,N		DC 0~20mA or DC 0~10V or PT100	
Output	Type	DC 4~20mA			DC 4~20mA or 0~20mA, 0~5V or 0~10V		DC 4~20mA, 0~20mA, 0~5V or 0~10V (Option RS485)		2 Relays for alarm	
	Load	≤500Ω(Current input); ≥1000Ω(Voltage input)								
Power	DC 24V (range DC 18V~32V)									
Temp draft	≤200ppm/C(Precision 0.5%); ≤100ppm/C(Precision 0.2%)									
Response time	<400ms									
Impedance	≥100MΩ									
Isolateion	Power supply / input / output 2kV/1min,50Hz									
Env	Temp.	Working: -10C~55C Stock: -25C~70C								
	Humd.	≤93%RH								
	Alti.	≤2500m								
Fixing	TS35 DIN rail									

4 Wiring diagram

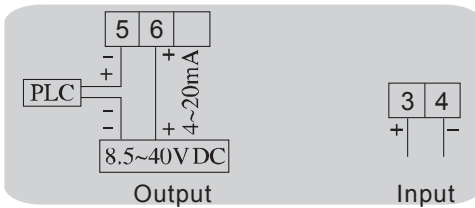
4.1 Transmitters powered by input

4.1.1 BM-DIS/I

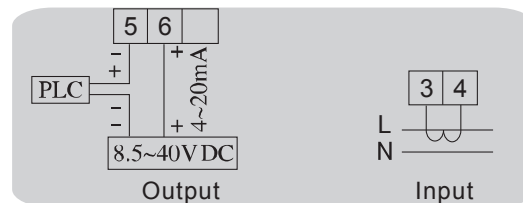


4.2 Transmitters powered by 2 wires output

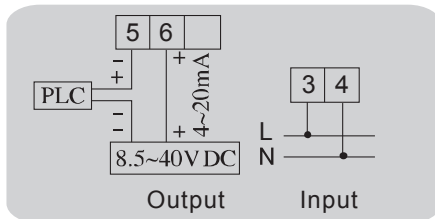
4.2.1 BM-DV/IS BM-DI/IS



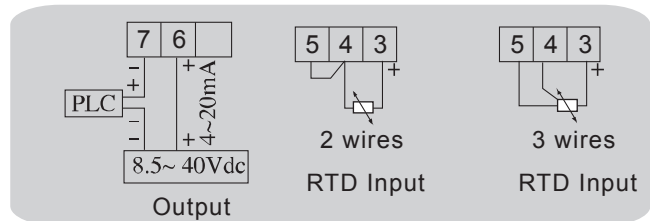
4.2.2 BM-AI/IS



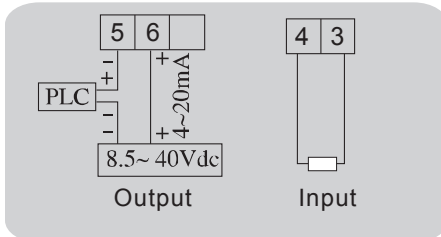
4.2.3 BM-AV/IS



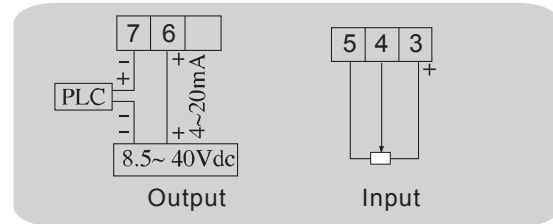
4.2.4 BM-TR/IS



4.2.5 BM-R/IS

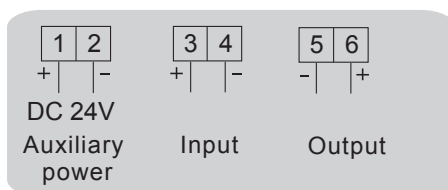


4.2.6 BM-VR/IS

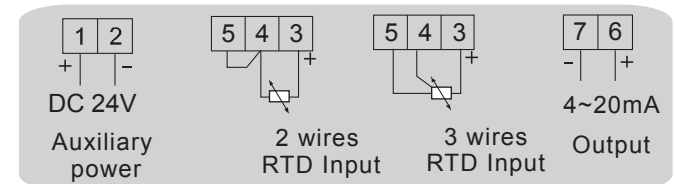


4.3 4 wires transmitter

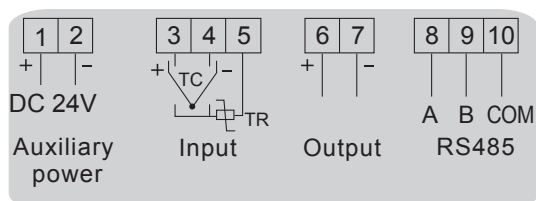
4.3.1 BM-DI/I, BM-DI/V, BM-DV/V, BM-DV/I



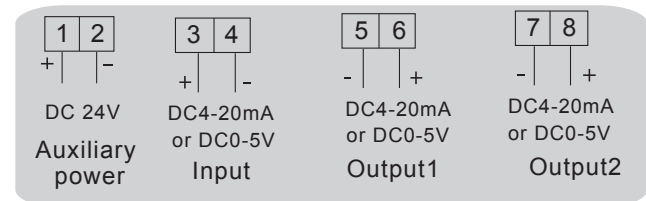
4.3.2 BM-TR/I



4.3.3 BM-TC/I BM-TC/V

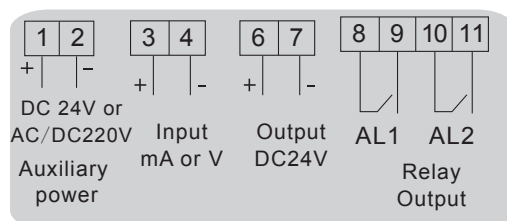


4.3.4 BM-DI/VI, BM-DI/II, BM-DV/VI, BM-DV/II



4.4 Alarms

4.4.1 BM-DI/J BM-DV/J



4.4.2 BM-TR/J

