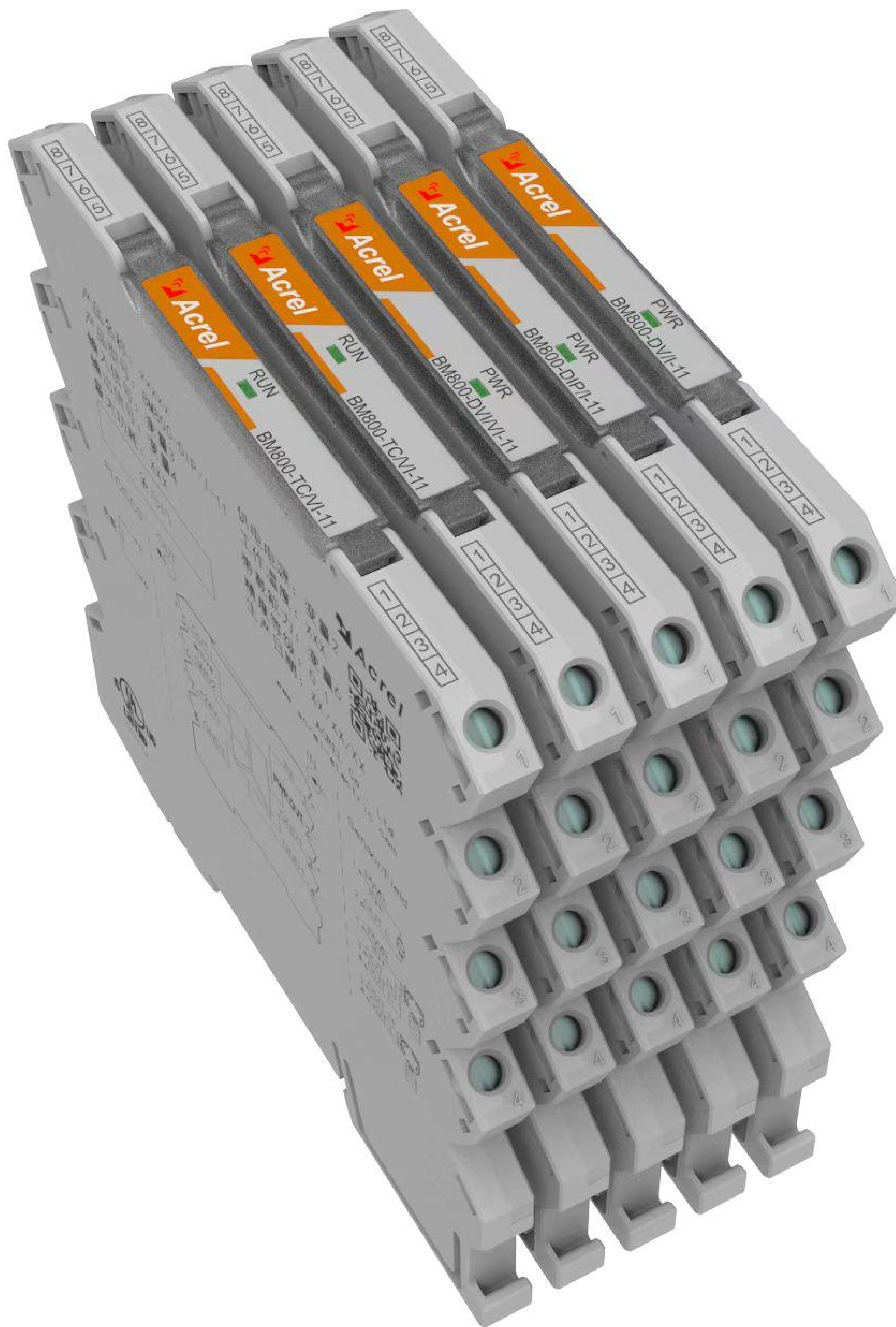




BM800 Series Signal Conditioner

- 6.2mm Ultra-thin
- CE & IEC Approval
- DIP Switch
- Software Configurable

Acrel Co., Ltd.

No.253 Yulv Road, Jiading District, Shanghai, China 201801

Contact Us:

Email: across@acrel-electric.com

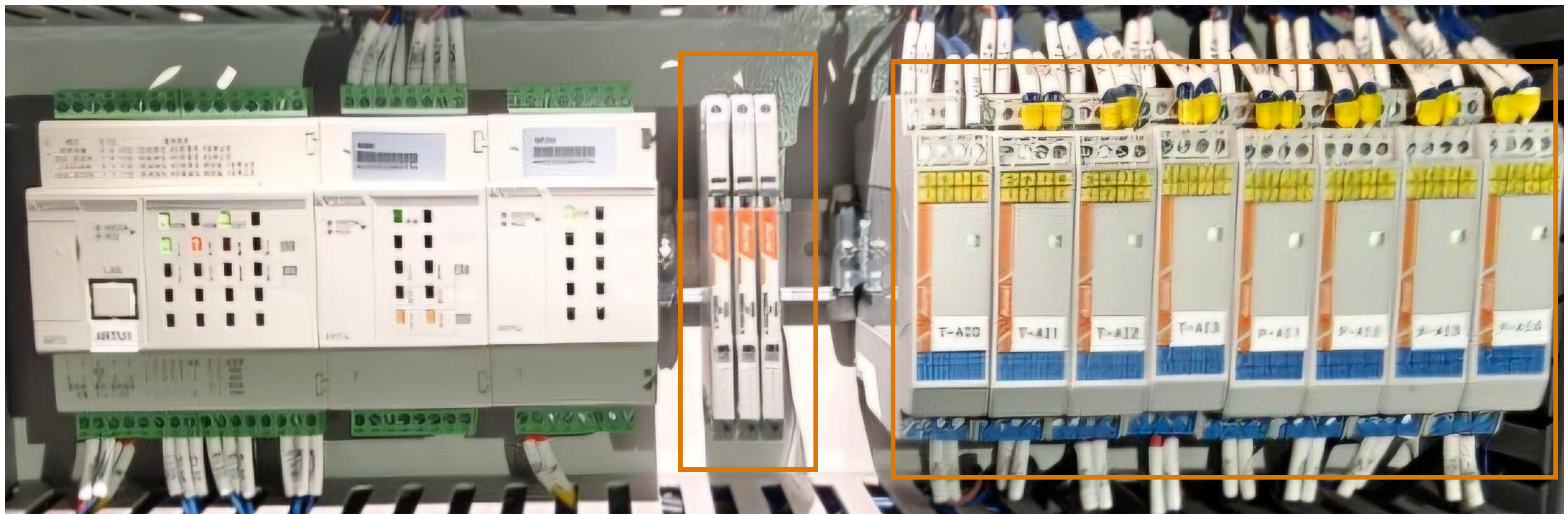
Tel/WhatsApp/Messenger: +86 17269573955

Website: www.acrel-group.com

Specification

Model	BM800-DIP/I-II	BM800-DV/I-II	BM800-DVI/VI-II
Channel Type	1 Input 1 Output		
DIP Switch	Fixed		DIP
Input Signal	0/4~20mA（Two-wire and three-wire transmitters, current source）	0/1~5V,0/2~10V	0~20mA,4~20mA, 0~5V,1~5V,0~10V,2~10V（Switchable）
Input Impedence	Current input: 100Ω; Voltage input: 50K（0-5V）, 100K（0-10V）.		
Accuracy	0.1%		
Output Signal	DC 0/4~20mA		DC 0/4~20mA,DC 0/1~5V, DC 0/2~10V（Switchable）
Power Dissipation	≤2W		
Distributing	Distribution voltage at 20 mA: 20V	/	
Capability	DC 0 / 4 ~ 20 mA; load resistance of 550 Ω DC 0-5 V / 1~5V; load resistance: 330K Ω DC 0~10V / 2~10V; load resistance: 500K Ω		
Output Ripple	≤100mVpp（Load Resistance100Ω）		
Temperature Drift	50ppm/°C		
Response Time	Reaches 90% of the final value within 5ms		
Power Supply Voltage	24V DC		
Temperature	--20°C ~ + 60°C（storage temperature: -40°C ~ + 80°C）		
Insulation Strength	The insulation voltage between any two groups of input, power supply, and output terminals is ≥1500V AC;（Insulation resistance ≥100MΩ）		
Levels of Protection	IP20		
Weight	60g		
EMC	IEC61000-6-2; IEC61000-6-4		
Dimension	6.2mm*97mm*100mm		

Advantages

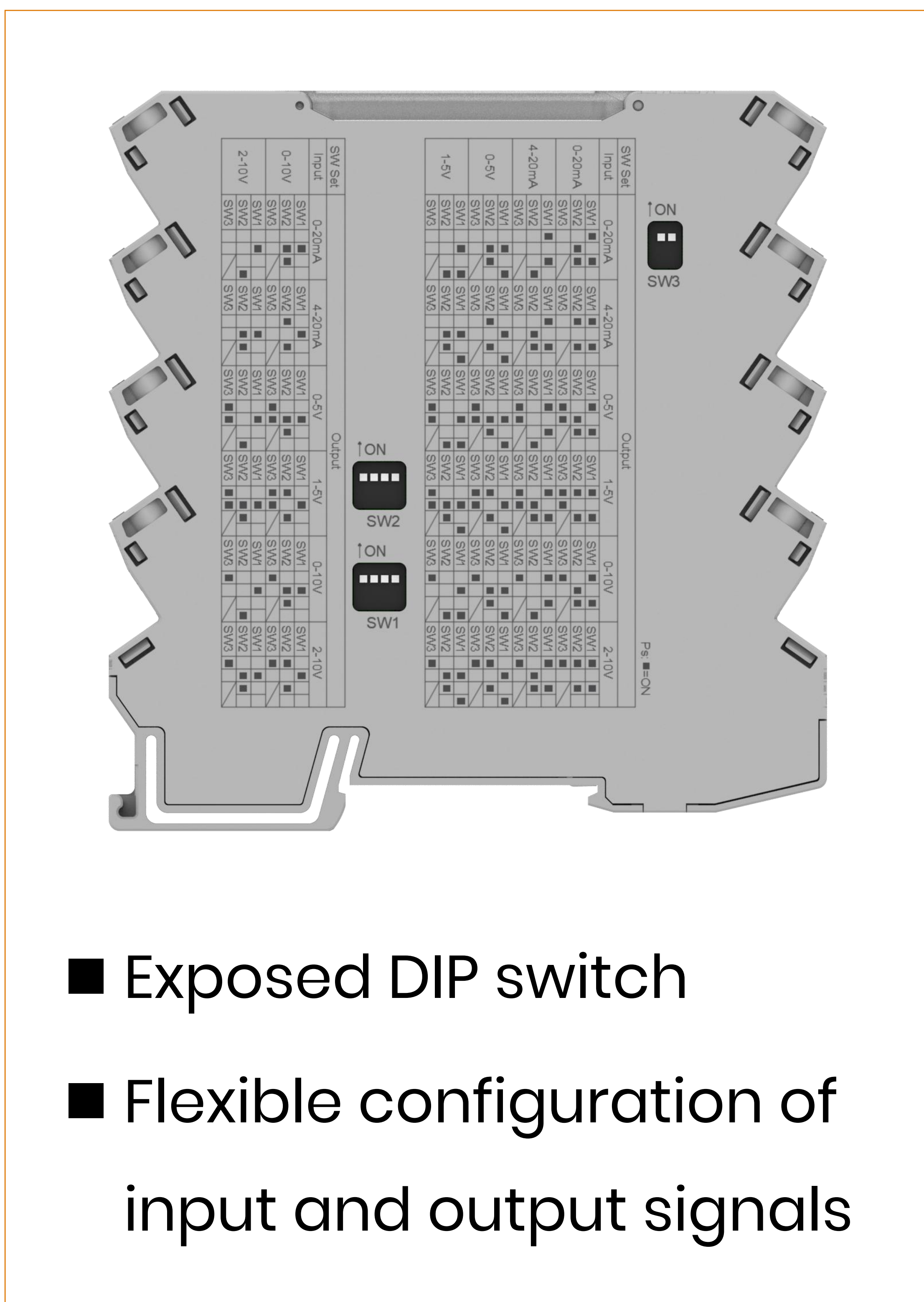


ARTU
I/O Module

BM800
6.2mm

BM100
22.5mm

Compared to the previous generation products and other competitors. BM800 series signal conditioner save **50%+** of installation space.



Performance

- Electrical Isolation Design
- Electromagnetic Compatibility (EMC) Assurance
- Signal Conversion Circuit Advantages
- Independence of Output Channels

Acrel Co., Ltd.

No.253 Yulv Road, Jiading District, Shanghai, China 201801

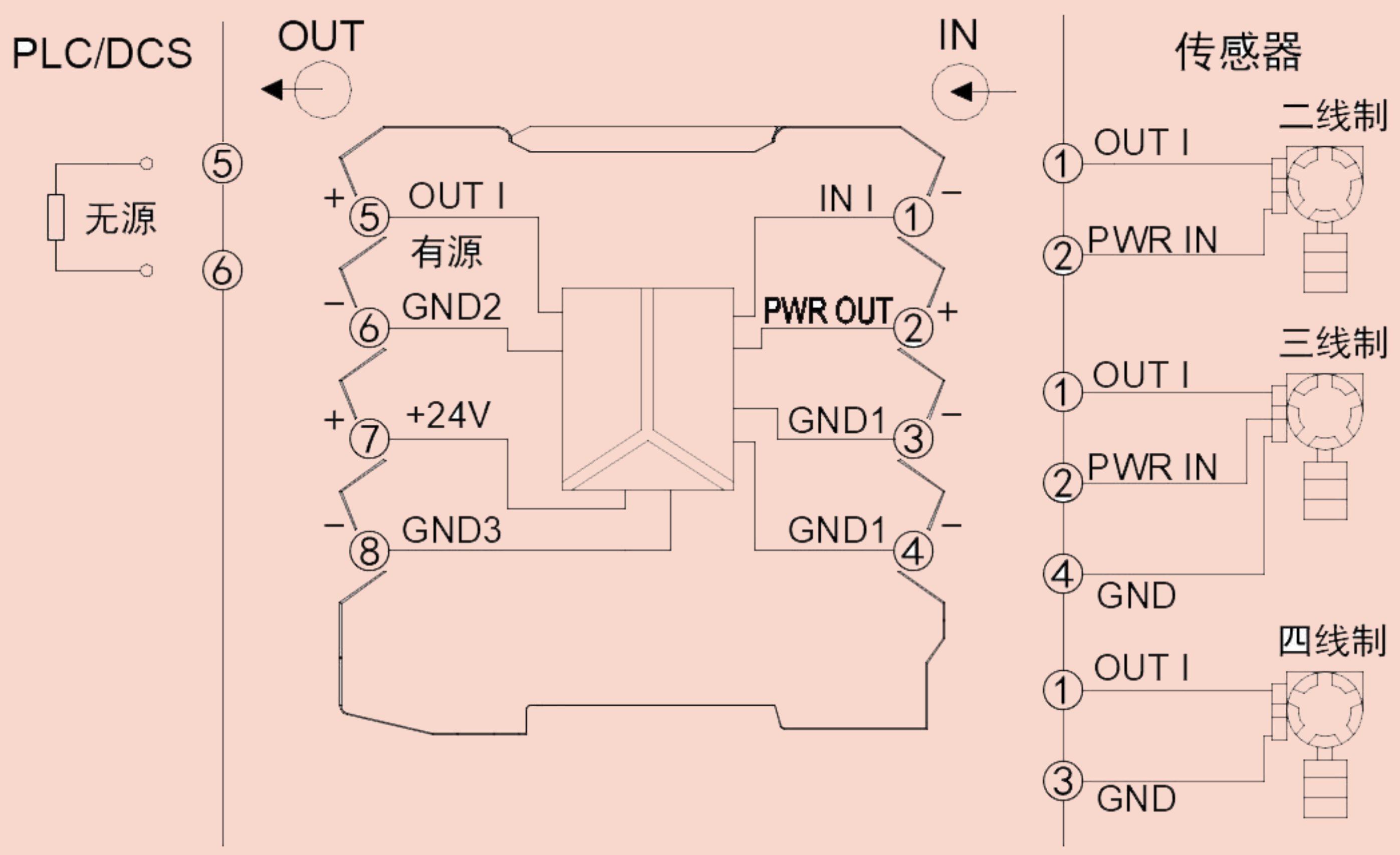
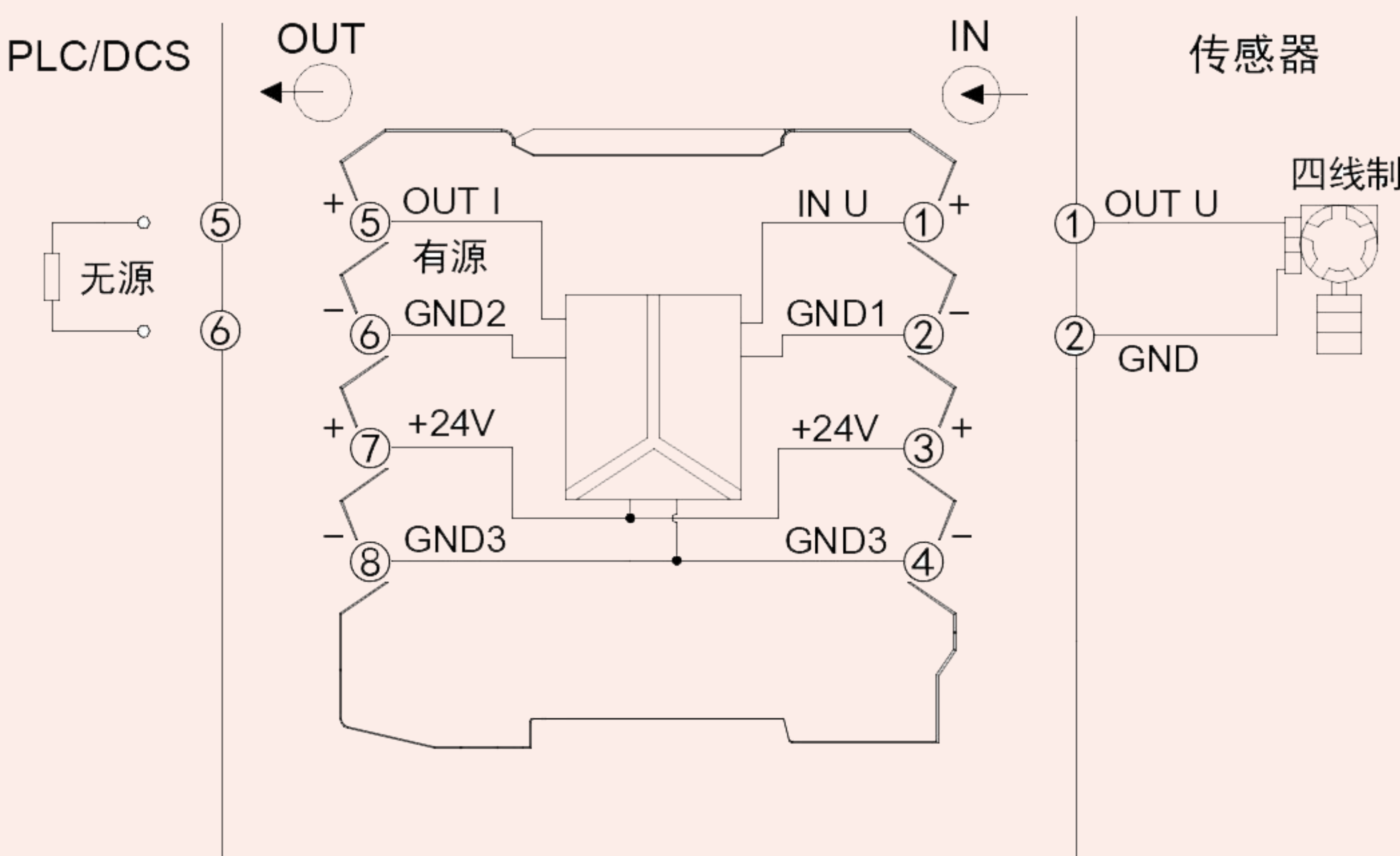
Contact Us:

Email: across@acrel-electric.com

Tel: +86 17269573955

WhatsApp/Messenger: +86 17269573955

Wiring

Model	Wiring
BM800-RPSI/I-11	
BM800-V/I-11	
BM800-VI/VI-11	