

BD Series Electrical Transmitter

DIN Rail mounting

1. General

BD Series Electrical Transmitter can transmit the electrical network data to the standard 4-20mA, 0-20mA or 0-10V DC signal. They are installed on standard 35mm DIN Rail. Some Transmitters can be programmable by our programming software. They all comply with the IEC60688:1992 and IEC-688 international standard.



2. Technical feature

Technical parameter		Value
Accuracy		0.5, 0.2
Input	Range	AC 1A, 5A, 100V, 300V, 500V
	Overload	Continual 1.2 times
		Instantaneous current 10 times/5s
		Instantaneous voltage 2 times/30s
	Consumption	≤0.3VA Current input ≤1 VA voltage input
Frequency	50±5Hz, 60±5Hz	
Output	Range	4-20mA, 0-20mA, 0-5V, 0-10V
	Load resistance	Current output ≤600Ω
		Voltage output ≥1kΩ
	Response time	<0.5% peak value ≤400ms
Supply		DC: 36~60Vdc, AC: 85~270Vac
	Consumption	≤3VA For I, U ≤4VA For Power
Isolation resistance		≥100MΩ
Isolation voltage		2kV/1min, 50Hz input/output/supply
Temperature drift		≤100ppm/C
Environment	Temperature	Work: -10C~55C
		Storage: -20C~+70C
	Humidity	≤90% relative
	Altitude	≤2000m
Fix		Standard 35mm DIN Rail

3. Order example

When your order, please inform us the range of your measuring and the options.

For example:

Need the 3 phase voltage transmitter, the ranges are 3x230V 5A.

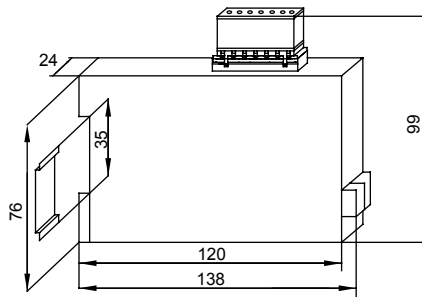
The product type is **BD-3V3 (3X230VAC, 5A)**

4. Specification

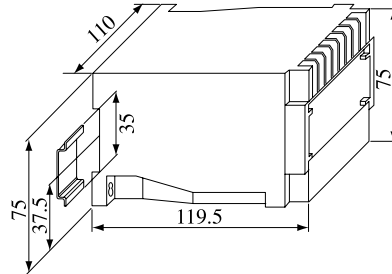
Type	Network	Input signal	Output	Power supply
BD-DI	DC network	DC 1A, 5A	4-20mA	AC DC 85-270V
BD-DV	DC network	DC 100V, 300V, 500V	4-20mA	AC DC 85-270V
BD-AI	Single phase	0-1A,0-5A	4-20mA	AC DC 85-270V
BD-AV	Single phase	0-125V / 0-250V / 0-450V	4-20mA	AC DC 85-270V
BD-3I3	3P3W	3 phase currents	3 ways 4-20mA	AC DC 85-270V
BD-3V3	3P3W	3 phase voltages	3 ways 4-20mA	AC DC 85-270V
BD-4V3	3P4W	3 phase voltages	3 ways 4-20mA	AC DC 85-270V
BD-3P	3P3W	Active Power	3 ways 4-20mA	AC DC 85-270V
BD-3Q	3P3W	Reactive Power	3 ways 4-20mA	AC DC 85-270V
BD-3P/Q/I	3P3W	P,Q,Current	3 ways 4-20mA	AC DC 85-270V
BD-4P	3P4W	Active Power	3 ways 4-20mA	AC DC 85-270V
BD-4Q	3P4W	Reactive Power	3 ways 4-20mA	AC DC 85-270V
BD-4EA	3P3W/3P4W	26 programmable parameters	4 ways 4-20mA; pulse; RS485	AC DC 85-270V
BD-PF	Single/3 phase	Power factor	4-20mA	AC DC 85-270V
BD-F	Single/3 phase	Frequency	4-20mA	AC DC 85-270V

5. Outlines

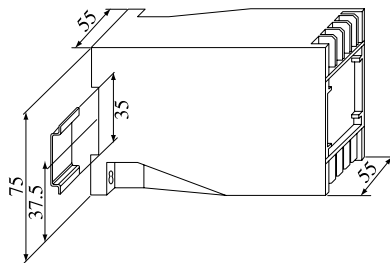
BD-DI
BD-DV
BD-AI
BD-AV



BD-3I3
BD-3V3
BD-4V3
BD-3P
BD-3Q
BD-3P/Q/I
BD-4P
BD-4Q



BD-PF
BD-F



BD-4EA

