

BD Module: LX5V-2PT2DAI-BD / LX5V-2PT2DAV-BD

- 2 entradas de resistencia térmica
- 2 salidas analógicas (4~20 mA)
- 2 entradas de resistencia térmica
- 2 salidas analógicas de tensión (-10 V~10 V)



Specification

Model	Channels	Resolution	Functionality
LX5V-2PT2DAI-BD	4	14/12 bits	2 * Thermal Resistance Input; 2 * Analog Output (4~20mA)
LX5V-2PT2DAV-BD	4	14/12 bits	2 * Thermal Resistance Input; 2 * Analog Voltage Output(-10v-10v)

Specification

Item	LX5V-2PT2DAI-BD	LX5V-2PT2DAV-BD
Power supply	24VDC±10%, 50mA; 5VDC±10%, 70mA (The power supply is provided internally by host)	
PT part		
Analog input signal	Platinum thermal resistance PT100 sensor (100Ω), 3-wire, 2-channel input (CH1, CH2)	
Sensor current	1mA sensor: 100 Ω (PT100)	
Compensation range	-100 °C to 600 °C (recommended range)	Over range display: 32767
Digital output	-1000 to 6000 (unit 0.1 °C)	
Measurement accuracy	0.2°C to 0.3°C	
Total accuracy	Full range ±0.5% (compensation range)	
Conversion speed	2 channels 50ms	
Conversion features		
DAI section		
Rated range	0 to 2000: 4mA to 20mA	(-2000 to 2000:-10V to 10V)
Analog output range	DC 4mA to 20mA (external load resistance ≤ 500 Ω)	DC -10V to 10V (external load resistance ≥ 2 K Ω)
Digital output	12-bit binary	
Resolution	8μA (4mA to 20mA/2000)	5mV (10V default range 1/2000)
Comprehensive precision	±0.5% of full scale (4mA to 20mA: ±0.08 mA)	±0.5% of full scale
D/A conversion time	One scan cycle (D/A conversion after ladder diagram END instruction is executed, and BD channel output value is updated)	
Output features	External load is 250Ω. 0 to 2000 was converted to 4mA to 20mA.	
Points occupied	0 point (2DAI is not affected by the standard maximum control points of the main PLC because it is operated through the data register)	