

Zelio™ Analog Interface Modules

The Zelio Analog range of converters is designed to convert signals emitted by sensors or electrical measurement devices, into standard electrical signals that are compatible with automation platforms and controllers. They also allow the connection distance between a sensor and a measurement device to be increased, for example, between a thermocouple and a programmable controller

Table 23.176: Converters for Type J and K type thermocouples—supply voltage 24 Vdc ± 20%, non-isolated

Type	Temperature Range		Switchable Output Signals	Catalog Number	\$ Price
	°F	°C			
Type J	32–302	0–150	0–10 V, 0–20 mA, 4–20 mA	RMTJ40BD	141.00
	32–572	0–300	0–10 V, 0–20 mA, 4–20 mA	RMTJ60BD	141.00
	32–1112	0–600	0–10 V, 0–20 mA, 4–20 mA	RMTJ80BD	141.00
Type K	32–1112	0–600	0–10 V, 0–20 mA, 4–20 mA	RMTK80BD	141.00
	32–2192	0–1200	0–10 V, 0–20 mA, 4–20 mA	RMTK90BD	141.00

Table 23.177: Converters for Universal Pt100 probes—supply voltage 24 Vdc ± 20%, non-isolated

Type	Temperature Range		Switchable Output Signals	Catalog Number	\$ Price
	°F	°C			
Pt100 2-wire, 3-wire, and 4-wire	- 40–104	- 40–40	0–10 V, 0–20 mA, 4–20 mA	RMPT10BD	141.00
	- 148–212	- 100–100	0–10 V, 0–20 mA, 4–20 mA	RMPT20BD	141.00
	32–212	0–100	0–10 V, 0–20 mA, 4–20 mA	RMPT30BD	141.00
	32–482	0–250	0–10 V, 0–20 mA, 4–20 mA	RMPT50BD	141.00
	32–932	0–500	0–10 V, 0–20 mA, 4–20 mA	RMPT70BD	141.00

Table 23.178: Converters for Optimum Pt100 probes▲—supply voltage 24 Vdc ± 20%, non-isolated

Type	Temperature Range		Switchable Output Signals	Catalog Number	\$ Price
	°F	°C			
Pt100 2-wire, 3-wire, and 4-wire	- 40–104	- 40–40	0–10 V or 4–20 mA	RMPT13BD	113.00
	- 148–212	- 100–100	0–10 V or 4–20 mA	RMPT23BD	113.00
	32–212	0–100	0–10 V or 4–20 mA	RMPT33BD	113.00
	32–482	0–250	0–10 V or 4–20 mA	RMPT53BD	113.00
	32–932	0–500	0–10 V or 4–20 mA	RMPT73BD	113.00

▲ Converters dedicated to Zelio Logic smart relays.

Table 23.179: Universal Voltage/Current Converters

Type	Input signal	Output signal	Catalog Number	\$ Price
Supply voltage 24 Vdc ± 20%, non-isolated	0–10 V or 4–20 mA	0–10 V or 4–20 mA	RMCN22BD	95.00
Supply voltage 24 Vdc ± 20%, isolated	0–10 V, ± 10 V, 0–20 mA, 4–20 mA	Switchable: 0–10 V, ± 10 V, 0–20 mA, 4–20 mA	RMCL55BD	141.00
	0–50 V, 0–300 V, 0–500 V DC or AC, 50/60 Hz	Switchable: 0–10 V, 0–20 mA, 4–20 mA	RMCV60BD	154.00
	0–1.5 A, 0–5 A, 0–15 A DC or AC, 50/60 Hz	0–10 V, 0–20 mA, 4–20 mA	RMCA61BD	154.00

Approvals:

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NKCRFile
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IEC 60947-1

RoHS
Compliant

Table 23.180: How to Order

To Order Specify:	Catalog Number
• Catalog Number	RMCN22BD



RMTJ40BD



RMTK90BD



RMPT70BD



RMPT13BD



RMCN22BD