



Digital to Analog Expansion Board

S1249Z - S1250Z / S1374Z - S1375Z

- 4 or 8 channels
- 12-bit D/A conversion
- Drive strip charts or other devices
- Expansion board fits inside ZENO[®] housing
- Outputs of EMI and ESC are short-circuit protected
- Operating temperature from -40°C to +60°C

The Digital to Analog Expansion Board will give you 4 to 8 channels of analog output. The voltage output range is from 0 - 5 VDC. Options include: 1 - 10 VDC or 4 - 20 mA current loop outputs.

The software in the ZENO[®] controls the individual channels and allows you to customize the analog outputs.

The expansion board fits inside the ZENO[®] housing and terminates in a terminal block attached to the ZENO[®]. Alternatively, the outputs can be routed to an external terminal block module via a D-subminiature connector.

GND	GND	GND	GND	GND	GND	GND	GND
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CH +1	CH +2	CH +3	CH +4	CH +5	CH +6	CH +7	CH +8
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- Wire capacity: 24 to 16 AWG
- Current loop: Return (-) connections are connected to any of the terminals marked GND



Technical Specifications

D/A Expansion Board

S1249Z

0 - 5 VDC

4 channel, 12 bit

Linearity: +/- 0.05%
Accuracy: +/- 0.1% (+18°C to +28°C)
 +/- 0.15% (-40°C to +60°C)
Power Requirement: 10 - 16 VDC @ 20 mA
 max. plus load
Output Load: 3 mA max.
 2 nF max.

S1250Z

0 - 5 VDC

8 channel, 12 bit

Linearity: +/- 0.05%
Accuracy: +/- 0.1% (+18°C to +28°C)
 +/- 0.15% (-40°C to +60°C)
Power Requirement: 10 - 16 VDC @ 20 mA
 max. plus load
Output Load: 3 mA max.
 2 nF max.

S1374Z

4 - 20 mA

4 channel

Linearity: +/- 0.05%
Accuracy: +/- 0.1% (+18°C to +28°C)
 +/- 0.5% (-40°C to +60°C)
Power Requirement: 13.5 - 16 VDC @ 50 mA
 max. plus load
Output Load: 510 ohms max.

S1375Z

4 - 20 mA

8 channel

Linearity: +/- 0.05%
Accuracy: +/- 0.1% (+18°C to +28°C)
 +/- 0.5% (-40°C to +60°C)
Power Requirement: 13.5 - 16 VDC @ 50 mA
 max. plus load
Output Load: 510 ohms max.

Optional Output Specification:

0 - 10 VDC

Linearity: +/- 0.05%
Accuracy: +/- 0.1% (+18°C to +28°C)
 +/- 0.15% (-40°C to +60°C)
Power Requirement: 13.5 - 16 VDC @ 20 mA
 max. plus load
Output Load: 3 mA max.
 2 nF max.