

Title: How should the Analog Input Module JAPMC-AN2300 be wired for voltage mode or current mode?

Product(s): JAPMC-AN2300

Doc. No. CNT-3G7D49

Question:

How should the Analog Input Module JAPMC-AN2300 be wired for voltage mode or current mode?

Answer:

For voltage inputs: Terminal 1 is used on CH1 and terminals 3, 16, and 14 should remain unconnected. This is true for the corresponding channels as well i.e. terminal 4 is used on CH2 and terminals 6, 19, and 17 remain unconnected.

For current inputs: Terminal 3 is connected and terminals 16 and 14 are jumpered together on CH1 and terminal 1 is unconnected. This is also true for the corresponding channels i.e. terminal 6 is connected and terminals 19 and 17 are jumpered together on CH2 and terminal 4 is unconnected.

Ground is connected the same for both Voltage and Current inputs and for full resolution of the device -10V to +10V must be provided. 0V to +10V only provides half of the total resolution. 0 to 20 mA can also be supplied for full resolution.

14.1 AI-01 (Analog Input) Module

14.1.9 Circuit Configuration

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