

ADAM-4021

ADAM-4015

ADAM-4024

1-ch Analog Output Module

6-ch RTD Module with Modbus

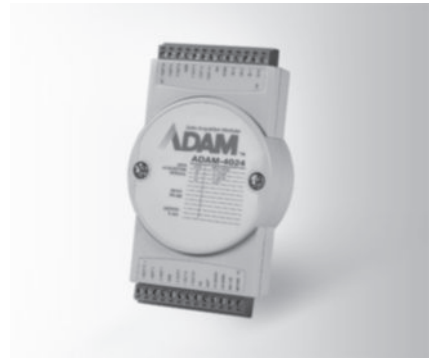
4-ch Analog Output Module with Modbus



ADAM-4021



ADAM-4015



ADAM-4024



Specifications

General

- Connectors 2 x plug-in terminal blocks (#14 ~ 22 AWG)
- Power Consumption 1.4 W @ 24 V_{DC}
- Watchdog Timer System (1.6 second)
- Supported Protocols ASCII command

Analog Output

- Channels 1
- Output Impedance 0.5 Ω
- Output Range 0 ~ 20 mA, 4 ~ 20 mA, 0 ~ 10 V
- Output Type mA, V
- Accuracy $\pm 0.1\%$ of FSR for current output
 $\pm 0.2\%$ of FSR for voltage output
- Current Load Resistor 0 to 500 Ω (source)
- Resolution 12-bit
- Isolation Voltage 3,000 V_{DC}
- Programmable Output Slope 0.125 ~ 128 mA/sec.
0.0625 ~ 64.0 V/sec.
- Readback Accuracy $\pm 1\%$ of FSR
- Span Temperature Coefficient ± 25 ppm/ $^{\circ}\text{C}$
- Zero Drift
Voltage output: ± 30 $\mu\text{V}/^{\circ}\text{C}$
Current output: ± 0.2 $\mu\text{A}/^{\circ}\text{C}$

Specifications

General

- Connectors 2 x plug-in terminal blocks (#14 ~ 28 AWG)
- Power Consumption 1.2 W @ 24 V_{DC}
- Watchdog Timer System (1.6 s) & Communication
- Supported Protocols ASCII command and Modbus/RTU
- Burnout Detection Yes

Analog Input

- Channels 6 differential
- Input Connections 2, 3-wire
- Input Impedance 10 M Ω
- Input Type Pt, Balco and Ni RTD
- RTD Types and Temperature Ranges
 - Pt 100 RTD:
 - Pt -50 $^{\circ}\text{C}$ to 150 $^{\circ}\text{C}$
 - Pt 0 $^{\circ}\text{C}$ to 100 $^{\circ}\text{C}$
 - Pt 0 $^{\circ}\text{C}$ to 200 $^{\circ}\text{C}$
 - Pt 0 $^{\circ}\text{C}$ to 400 $^{\circ}\text{C}$
 - Pt -200 $^{\circ}\text{C}$ to 200 $^{\circ}\text{C}$
 - IEC RTD 100 ohms ($\alpha = 0.00385$)
 - JIS RTD 100 ohms ($\alpha = 0.00392$)
 - Pt 1000 RTD
 - Pt -40 $^{\circ}\text{C}$ to 160 $^{\circ}\text{C}$
 - Balco 500 RTD
 - 30 $^{\circ}\text{C}$ to 120 $^{\circ}\text{C}$
 - Ni 50 RTD
 - Ni -80 $^{\circ}\text{C}$ to 100 $^{\circ}\text{C}$
 - Ni 508 RTD
 - Ni 0 $^{\circ}\text{C}$ to 100 $^{\circ}\text{C}$
 - BA1
 - 200 $^{\circ}\text{C}$ to 600 $^{\circ}\text{C}$
- Accuracy $\pm 0.1\%$ (Typical)
- CMR @ 50/60 Hz 120 dB
- Span Drift ± 25 ppm/ $^{\circ}\text{C}$
- Zero Drift ± 3 $\mu\text{V}/^{\circ}\text{C}$

Specifications

General

- Connectors 2 x plug-in terminal blocks (#14 ~ 28 AWG)
- Power Consumption 3 W @ 24 V_{DC}
- Watchdog Timer System (1.6 second) & Communication
- Supported Protocols ASCII command and Modbus/RTU

Analog Output

- Channels 4
- Output Impedance 0.5 Ω
- Output Range 0 ~ 20 mA, 4 ~ 20 mA, ± 10 V
- Output Type mA, V (Differential)
- Accuracy $\pm 0.1\%$ of FSR for current output
 $\pm 0.1\%$ of FSR for voltage output
- Current Load Resistor Max. 500 Ω (source)
- Voltage Load Resistor Min. 1K Ω
- Resolution 12-bit
- Isolation Voltage 3,000 V_{DC}
- Programmable Output Slope 0.125 ~ 128 mA/sec.
0.0625 ~ 64.0 V/sec.
- Span Temperature Coefficient ± 25 ppm/ $^{\circ}\text{C}$
- Zero Drift
Voltage output: ± 30 $\mu\text{V}/^{\circ}\text{C}$
Current output: ± 0.2 $\mu\text{A}/^{\circ}\text{C}$

Digital Input

- Channels 4
- Input Level Logic level 0: 1 V max.
Logic level 1: 10 ~ 30 V_{DC}
- Isolation Voltage 3,000 V_{DC}

Common Specifications

General

- Power Input Unregulated 10 ~ 30 V_{DC}

Environment

- Operating Humidity 5 ~ 95% RH
- Operating Temperature -10 ~ 70 $^{\circ}\text{C}$ (14 ~ 185 $^{\circ}\text{F}$)
- Storage Temperature -25 ~ 85 $^{\circ}\text{C}$
(-13 ~ 185 $^{\circ}\text{F}$)

Ordering Information

- ADAM-4021 1-ch Analog Output Module
- ADAM-4015 6-ch RTD Module with Modbus
- ADAM-4024 4-ch Analog Output Module with Modbus