

ADAM-6022

ADAM-6024

Ethernet-based Dual-loop PID Controller

12-ch Isolated Universal Input/Output Module



ADAM-6022



Specifications

General

- Loop Number 2 (3 AI, 1 AO, 1 DI, 1 DO for each control loop)

Analog Input

- Channels 6 (differential)
- Input Range $\pm 10 V_{DC}$, 0 ~ 20 mA, 4 ~ 20 mA

Analog Output

- Channels 2
- Output Type V, mA
- Output Range 0 ~ 10 V_{DC} , 4 ~ 20 mA, 0 ~ 20 mA

Digital Input

- Channels 2
- Dry Contact Logic level 0: close to GND
Logic level 1: open
- Wet Contact Logic level 0: 0 ~ 3 V_{DC}
Logic level 1: 10 ~ 30 V_{DC}

Digital Output

- Channels 2
- Open Collector to 30 V, 100 mA maximum load
- Power Dissipation 300 mW for each module

Ordering Information

- ADAM-6022 Ethernet-based Dual-loop PID Controller



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- Dry Contact Logic level 0: close to GND
Logic level 1: open
Logic level 0: 0 ~ 3 V_{DC}
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- Wet Contact

Digital Output

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- Power Dissipation 300 mW for each module

Supports

- Peer-to-Peer (Receiver only)
- GCL (Receiver only)

Ordering Information

- ADAM-6024 12-ch Isolated Universal I/O Module

Common Specifications

General

- LAN 10/100Base-T(X)
- Power Consumption 4 W @ 24 V_{DC}
- Connectors 1 x RJ-45 (LAN), Plug-in screw terminal block (I/O and power)
- Watchdog System (1.6 second) and Communication (programmable)
- Power Input 10 ~ 30 V_{DC}
- Supports Modbus/TCP, TCP/IP, UDP and HTTP Protocols

Analog Input

- Input Impedance 20 M Ω
- Accuracy $\pm 0.1\%$ of FSR
- Resolution 16-bit
- Sampling Rate 10 sample/second
- CMR @ 50/60 Hz 90 dB
- NMR @ 50/60 Hz 60 dB
- Span Drift ± 25 ppm/ $^{\circ}$ C
- Zero Drift ± 6 μ V/ $^{\circ}$ C

Analog Output

- Accuracy $\pm 0.1\%$ of FSR
- Resolution 12-bit
- Drift ± 50 ppm/ $^{\circ}$ C
- Current Load Resistor 0 ~ 500 Ω

Protection

- Isolation Protection 2,000 V_{DC}
- Built-in TVS/ESD Protection
- Over Voltage Protection $\pm 35 V_{DC}$
- Power Reversal Protection

Environment

- Operating Temperature -10 ~ 50 $^{\circ}$ C
- Storage Temperature -20 ~ 80 $^{\circ}$ C
- Humidity (Operating) 20 ~ 95% RH (non-condensing)
- Humidity (Storage) 0 ~ 95% RH (non-condensing)