ADAM-4024

4-ch Analog Output, 4-ch Digital Input Module

Analog Output

- **Channels:** 4
- **Output Impedance:** 0.5 Ω
- **Output Type:** V (Differential), mA
- **Output Range:**
  - ±10 V
  - 0 ~ 20 mA, 4 ~ 20mA
- **Accuracy:**
  - **Voltage Output:** ±0.1% of FSR
  - **Current Output:** ±0.1% of FSR
- **Current Load Resister:** Max. 500 Ω (Source)
- Voltage Load Resistor: Min. 1K Ω
- **Resolution:** 12-bit
- **Isolation Voltage:** 3,000 VDC
- **Programmable Output Slope:**
  - 0.0625 ~ 64.0 V/sec.
  - 0.125 ~ 128 mA/sec.
- **Readback Accuracy:** ±1% of FSR
- **Span Temperature Coefficient:** ± 25 ppm/°C
- **Zero Drift:**
  - **Voltage output:** ±30 μV/°C
  - **Current output:** ±0.2 μA/°C

General

- **Certification:** CE, UL
- **Connectors:** 2 x plug-in terminal blocks (#14 ~ 28 AWG)
- **Power Input:** Unregulated 10 ~ 30 VDC
- **Power Consumption:** 1.4 W @ 24 VDC
- **Watchdog Timer:** System (1.6 s) & Communication
- **Supported Protocols:** ASCII command and Modbus/RTU

Environment

- **Operating Humidity:** 5 ~ 95% RH
- **Operating Temperature:** -10 ~ 70°C (14 ~ 158°F)
- **Storage Temperature:** -25 ~ 85°C (-13 ~ 185°F)

Digital Input

- **Channels:** 4
- **Input Level:**
  - **Logic level 0:** 1 V max.
  - **Logic level 1:** 10 ~ 30 VDC
- **Isolation Voltage:** 3,000 VDC