ADAM-6060
ADAM-6066
ADAM-6015

6 DI/6 Relay Module

6 DI/6 Power Relay Module

7-channel RTD Input Module

ADAM-6060

ADAM-6066

ADAM-6015

Specifications

General

- **Channels** 6 Relay, 6 DI
- **Digital Input**
  - Dry Contact: Logic level 0: close to GND; Logic level 1: open
  - Wet Contact: Logic level 0: +3 V max; Logic level 1: 10~30 V_{DC}
- **Power Consumption** 2 W (Typical)
- **Power Input** Unregulated 10 ~ 30 V_{DC}
- **Relay Output (Form A)**
  - Contact Rating: AC: 120 V @ 0.5 A; DC: 30 V @ 1 A
  - Breakdown voltage: 500 V_{AC} (50/60 Hz)
  - Relay on time: 7 ms
  - Relay off time: 3 ms
  - Total switching time: 10 ms
  - Insulation resistance: 1 GΩ min. at 500 V_{DC}

Protection

- **Power Reversal Protection**
- **Isolation Protection** 2,000 V_{RMS}

Ordering Information

- **ADAM-6060** 6 Isolated Digital Inputs & 6 Relays Module

Specifications

General

- **Channels** 6 Relay, 6 DI
- **Digital Input**
  - Dry Contact: Logic level 0: close to GND; Logic level 1: open
  - Wet Contact: Logic level 0: +3 V max; Logic level 1: 10~30 V_{DC}
- **Power Consumption** 2.5 W (Typical)
- **Relay Output (Form A)**
  - Contact Rating: AC: 250 V @ 5 A; DC: 30 V @ 5 A
  - Breakdown voltage: 500 V_{AC} (50/60 Hz)
  - Relay on time: 7 ms
  - Relay off time: 3 ms
  - Total switching time: 10 ms
  - Insulation resistance: 1GΩ min. at 500V_{DC}

Protection

- **Power Reversal Protection**
- **Isolation Protection** 2,000 V_{RMS}

Ordering Information

- **ADAM-6066** 6 Isolated Digital Inputs & 6 Power Relays Module

Specifications

General

- **Accuracy** ± 0.05 % or better
- **Channels** 7 differential
- **CMR @ 50/60 Hz** 150 dB
- **Input Connections** 2 or 3 wire
- **Input Type** Pt, Balco and Ni RTD
- **Input Impedance** 10 kΩ
- **NMR @ 50/60 Hz** 100 dB
- **Power Consumption** 2 W
- **Resolution** 16 bits
- **RTD Types and Temperature Ranges**
  - PT-100 RTD
    - Pt-50° C to 150° C
    - Pt 0° C to 100° C
    - Pt 0° C to 200° C
    - Pt 0° C to 400° C
    - Pt-200° C to 200° C
    - IEC RTD 100 ohms.= 0.00385)
    - JIS RTD 100 ohms.= 0.00392)
  - Pt 1000 RTD: Pt -40 ~ 160° C
    - Balco 500 RTD: -30 ~120° C
  - Ni 518: -80 ~ 100° C
  - Ni 518: 0 ~ 100° C
- **Sampling Rate** 10 samples / sec.
- **Span Drift** ± 25 ppm/° C
- **Zero Drift** ± 3 µV/° C

Protection

- **Individual Wire Burn-out Detection**
- **Power Reversal Protection**
- **Isolation Protection** 2,000 V_{DC}
- **Watchdog Timer** Yes, programmable (comm.)

Ordering Information

- **ADAM-6015** 7-channel RTD Input Module

Common Specifications

General

- **Certifications** CE, FCC class A
- **Dimensions (WxHxD)** 70 x 112 x 25 mm
- **Connectors** 1 x RJ-45 (LAN); Plug-in screw terminal block (I/O, and power)
- **Enclosure** ABS+PC
- **LAN** 10/100Base-T
- **LED Indicators** Power and communication
- **Mounting** DIN 35 rail, stack, wall
- **Power Input** Unregulated 10~30 V_{DC}

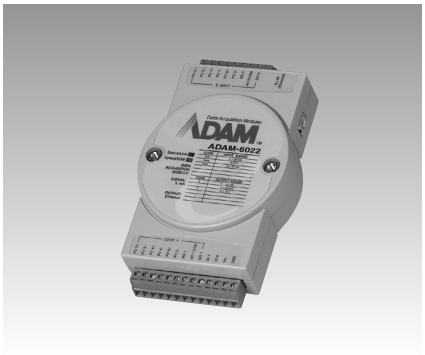
Environment

- **Humidity (Operating)** 20 ~ 95% RH (non-condensing)
- **Humidity (Storage)** 0 ~ 95% RH (non-condensing)
- **Operating Temperature** -10 ~ 70° C
- **Storage Temperature** -20 ~ 80° C

ADAM-6022
ADAM-6000

Ethernet-based Dual-loop PID Controller

Series Dimensions



ADAM-6022

CE FCC

Specifications

General

- **Dimensions (W x H x D)** 70 x 112 x 25 mm
- **Loop Number** 2 (3 AI, 1 AO, 1 DI, 1 DO for each control loop)
- **Power Consumption** 4 W (typical)
- **LAN** 10/100Base-T

Analog Input

- **Accuracy** ±0.1 % or better
- **Bandwidth** 13.1 Hz @ 50 Hz
  15.72 Hz @ 60 Hz
- **Channels** 6 differential
- **CMR @ 50/60 Hz** 92 dB min.
- **Resolution** 16 bits
- **Input Impedance** 20 MΩ
- **Input Range** 0 ~ 10 V_{DC}, 0 ~ 20 mA, 4 ~ 20 mA
- **Isolation Voltage** 2,000 V_{DC}
- **Sampling Rate** 10 samples/sec.
- **Span Drift** ±25 ppm/° C
- **Zero Drift** ±6 μV/° C

Analog Output

- **Accuracy** 0.05% of FSR
- **Channels** 2
- **Drift** ±50 ppm/° C
- **Drive Voltage** 15 V_{DC} (current output)
- **Isolation Voltage** 2,000 V_{DC}
- **Output Range** 0 ~10 V_{DC}, 4 ~ 20 mA, 0 ~ 20 mA
- **Resolution** 12 bits

Digital Inputs

- **Channels** 2

  Dry Contact: Logic level 0: close to GND
  logic level 1: open

  Wet Contact: Logic level 0: +3Vmax
  Logic level 1: 10~30 V_{DC}

Digital Outputs

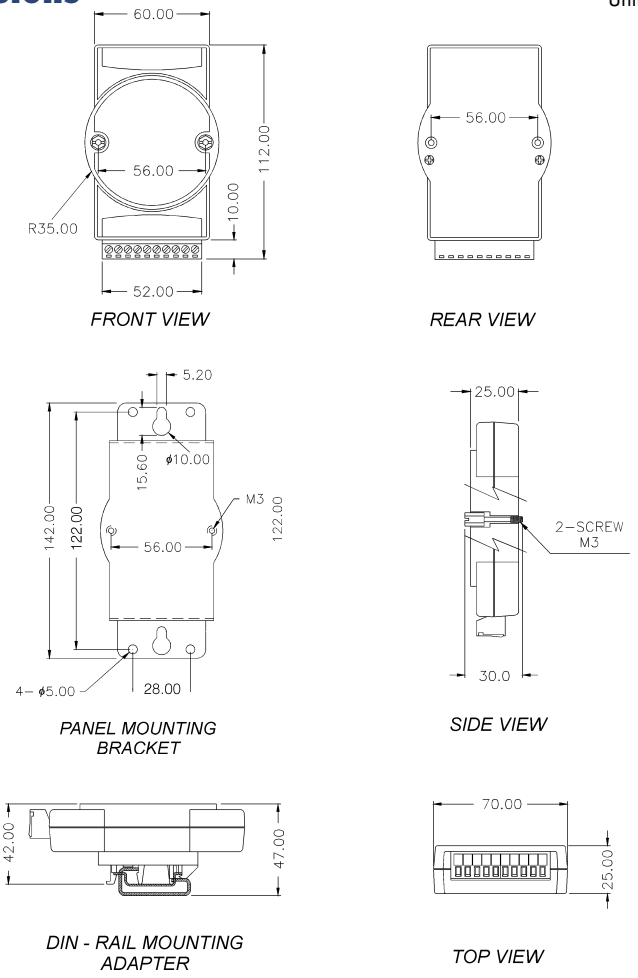
- **Channels** 2
  Open Collector to 30 V
  100 mA max. load

Environment

- **Humidity (Operating)** 20~95% RH,(non-cond)
- **Humidity (Storage)** 0~95% RH, (non-cond.)
- **Operating Temperature** -10~50° C
- **Storage Temperature** -20~80° C

Dimensions

Unit: mm



Ordering Information

- **ADAM-6022** Dual-loop PID Controller

Software Ordering Information

- **PCLS-OPC/MTP** Modbus/TCP OPC Server
- **AStudio-WNT/DEV** Astudio-WNI/PRO Web-enabled HMI/SCADA Software