SG-ADAM-6060

6-ch Digital Input and 6-ch Relay Modbus TCP Module
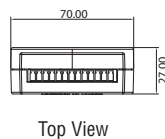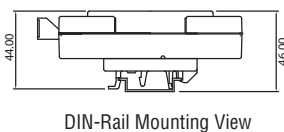
Specifications

General

- **LAN**   10/100Base-T(X)
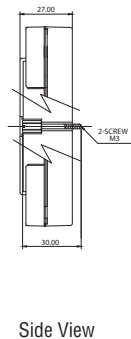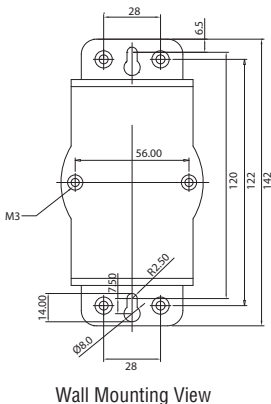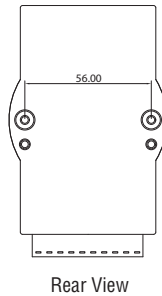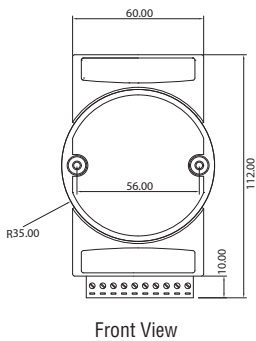- **Power Consumption**   2 W @ 24 V_{DC} (ADAM-6060)
- **Connectors**   1 x RJ-45 (LAN), Plug-in screw terminal block (I/O and power)
- **Watchdog Timer**   System (1.6 second) and Communication (programmable)
- **Power Input**   10 ~ 30 V_{DC}
- **Supports Peer-to-Peer**
- **Supports GCL**
- **Supports Modbus/TCP, TCP/IP, UDP, DHCP,SNMP, HTTP and MQTT Protocol**

Digital Input

- **Channels**   6
- **Dry Contact**   Logic level 0: close to GND
  Logic level 1: open
- **Wet Contact**   Logic level 0: 3 V_{DC}
  Logic level 1: 10 ~ 30 V_{DC}
- **Supports 3 kHz Counter Input (32-bit + 1-bit overflow)**
- **Keep/Discard Counter Value when Power-off**
- **Supports 3 kHz Frequency Input**
- **Supports Inverted DI Status**

Relay Output (Form A)

- **Channels**   6
- **Contact Rating (Resistive)**   ADAM-6060: 120 V_{AC} @ 0.5 A
     30 V_{DC} @ 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}
- **Maximum Switching Rate (at rated load)**   20 operations/minute
- **Supports Pulse Output**

Protection

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

Environment

- **Operating Temperature**   -10 ~ 70°C (14 ~ 158°F)
  -40 ~ 70°C (-40~158°F) for D version
- **Storage Temperature**   -20 ~ 80°C (-4 ~ 176°F)
  -40 ~ 80°C (-40~176°F) for D version
- **Operating Humidity**   20 ~ 95% RH (non-condensing)
- **Storage Humidity**   0 ~ 95% RH (non-condensing)

Dimensions

Unit: mm

Front View

Rear View

Wall Mounting View

Side View

DIN-Rail Mounting View

Top View