

# ADAM-4060

# ADAM-4068

# ADAM-4069

4-channel Relay Output Modules

8-channel Relay Output Modules

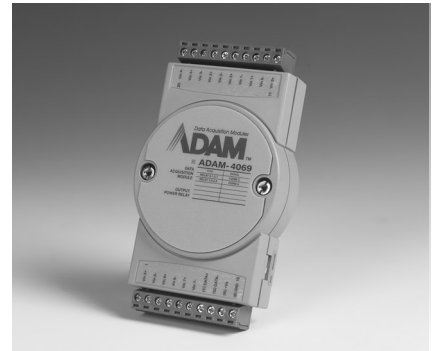
8-channel Power Relay Output Module with Modbus®



ADAM-4060



ADAM-4068



ADAM-4069



## Specification

### General

- **Connectors** 2 x plug-in terminal blocks (#14 ~ 28 AWG)
- **Power Consumption** ADAM-4060: 0.8 W @ 24 V<sub>DC</sub>

### Relay Output

- **Breakdown Voltage** 500 V<sub>AC</sub> (50/60 Hz)
- **Channels** 4 x relay  
2 x form A  
2 x form C
- **Contact Rating** AC: 0.6 A @ 125 V  
0.3 A @ 250 V  
DC: 2 A @ 30 V  
0.6 A @ 110 V
- **Insulation Resistance** 1 G Ω min. at 500 V<sub>DC</sub>
- **Relay off Time (typical)** 2 ms
- **Relay on Time (typical)** 3 ms

## Specifications

### General

- **Connectors** 2 x plug-in terminal blocks (#14 ~ 28 AWG)
- **Power Consumption** 0.6 W @ 24 V<sub>DC</sub>

### Relay Output

- **Breakdown Voltage** 500 V<sub>AC</sub> (50/60 Hz)
- **Channels** 4 x form A  
4 x form C
- **Contact Rating** AC: 0.6 A @ 125 V  
0.3 A @ 250 V  
DC: 2 A @ 30 V  
0.6 A @ 110 V
- **Insulation Resistance** 1 G Ω min. at 500 V<sub>DC</sub>
- **Relay off Time (typical)** 4 ms
- **Relay on Time (typical)** 3 ms

## Specifications

### General

- **Connectors** 2 x plug-in terminal blocks (#14 ~ 28 AWG)
- **Power Consumption** 2.2 W @ 24 V<sub>DC</sub>

### Relay Output

- **Breakdown Voltage** 1000 V<sub>AC</sub> (50/60 Hz)
- **Channels** 4 x form A  
4 x form C
- **Contact Rating** AC: 5 A @ 250 V  
DC: 5 A @ 30 V
- **Insulation Resistance** 1 G Ω min. at 500 V<sub>DC</sub>
- **Relay off Time (typical)** 5.6 ms
- **Relay on Time (typical)** 5 ms

## Common Specifications

- |  |  |
|--|--|
| ▪ <b>Dimensions</b> 70 x 122 x 30 mm                   | ▪ <b>Environment</b>                                   |
| ▪ <b>Enclosure</b> ABS+PC                              | ▪ <b>Humidity</b> 5 ~ 95% RH                           |
| ▪ <b>Mounting</b> DIN 35 rail, stack, wall             | ▪ <b>Operating Temperature</b> -10~70°C<br>(14~158° F) |
| ▪ <b>Power Input</b> Unregulated 10~30 V <sub>DC</sub> | ▪ <b>Storage Temperature</b> -25~85°C<br>(-13~185° F)  |
| ▪ <b>Watchdog Timer</b> 1.6 sec. (system)              |  |

## Ordering Information

- **ADAM-4060** 4-channel Relay Output Module
- **ADAM-4068** 8-channel Relay Output Module with Modbus® and LED
- **ADAM-4069** 8-channel Power Relay Output Module with Modbus®

# ADAM 4000/4100 Series

## Common Specifications

### Communication

- RS-485 (2-wire) to host
- Speeds: 1200, 2400, 4800, 9600, 19200, 38400, 57600, 115200 bps (ADAM-4080, ADAM-4080D only support up to 38400 bps)
- Max. communication distance: 4000 feet (1.2 km)
- Power and communication LED indicator
- ASCII command/response protocol
- Communication error checking with checksum
- Asynchronous data format:  
 Advantech protocol: 1 start bit, 8 data bits, 1 stop bit, no parity  
 Modbus protocol: 1 start bit, 8 data bits, 1 or 2 stop bit, parity check (none, odd, even) (ADAM-4100 series only)
- Up to 256 multidrop modules per serial port
- Online module insertion and removal
- Transient suppression on RS-485 communication lines

## Dimensions

