

ADAM-4069 ADAM-4080 ADAM-4080D ADAM-4914V

8-channel Power Relay Output Module with Modbus® Counter/Frequency Module Counter/Frequency Module with LED Display 4-channel Voltage Input Surge Protection Module



NEW

ADAM-4069

Specifications

Relay Output

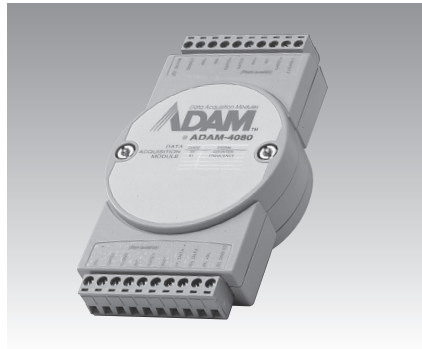
- **Channels** 4 form A, 4 form C
- **Contact Rating** AC: 250 V @ 5 A
DC: 30 V @ 5 A
- **Breakdown Voltage** 1000 V_{AC} (50/60 Hz)
- **Relay on Time (typical)** 5 ms
- **Relay off Time (typical)** 5.6 ms
- **Insulation Resistance** 1,000 MΩ minimum at 500 V_{DC}
- **Built-in Watchdog Timer** System and Comm. Watchdog

Power

- **Power Requirements** Unregulated
+10 ~ +30 V_{DC}
- **Power Consumption** 0.6 W @ 24 V_{DC}

Ordering Information

- **ADAM-4069** 8-channel Power Relay Output Module with Modbus®



ADAM-4080/4080D



Specifications

Counter Input

- **Channels** Two independent 32-bit counters
- **Input Frequency** 50 kHz max.
- **Input Mode** Isolated or non-isolated
- **Isolation Input Level** Logic level 0: +1 V max.
Logic level 1: +3.5 V ~ +30 V
- **Isolation Voltage** 2500 V_{RMS}
- **Non-isolated Input Level** Programmable threshold:
Logic level 0: 0 to +5 V (default = 0.8 V)
Logic level 1: 0 to +5 V (default = 2.4 V)
- **Input Pulse Width** >10 ms.
- **Maximum Count** 4,294,967,295 (32 bits)
- **Programmable Digital Noise Filter** 2 ~ 65 ms
- **Alarm** Alarm comparator on each counter
- **Preset Type** Absolute or relative

Frequency Measurement

- **Range** 5 Hz ~ 50 kHz
- **Programmable Built-in Gate Time** 1.0/0.1 sec.

Display (ADAM-4080D Only)

- **LED Indicator** 5-digit readout, CH 0 or CH 1 (programmable)

Digital Output

- **Channels** 2
Open collector to 30 V, 30 mA max. load
power dissipation: 300 mW for each channel

Built-in Watchdog Timer

Power

- **Power Requirements** Unregulated 10~30 V_{DC}
- **Power Consumption** 2.0 W @ 24 V_{DC}



ADAM-4914V

Specifications

Input

- **Channels** 4 differential voltage input and thermocouple

Performance

- **Discharge Voltage** BETWEEN LINES: 18 V min
LINE TO GND: 350 V max.
- **Max. Surge Voltage** BETWEEN LINES: 23 V min
LINE TO GND: +4,000 V max.
- **Leakage Current** BETWEEN LINES: ≤ 10μA @ 7.5 V_{DC}
LINE TO GND: ≤ 5μA @ +140 V_{DC}
- **Response Time** ≤ 0.1 μsec.
- **Discharge Current** 5,000 A (8/20 μsec.)
- **Internal Series Resistance** Approx. 20Ω including return
- **Maximum Line Voltage** 10 V

Ordering Information

- **ADAM-4914V** 4-channel Voltage Input Surge Protection Module
- **ADAM-4080** Counter/Frequency Module
- **ADAM-4080D** Counter/Frequency Module with LED Display