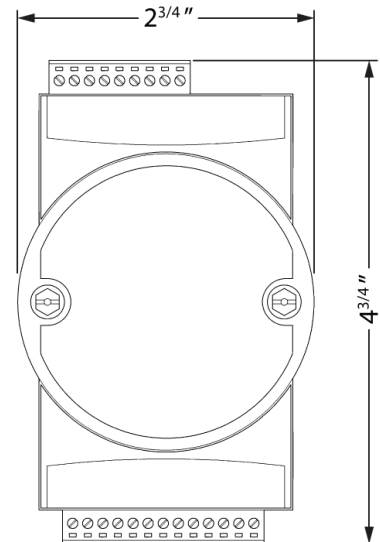


Key Features

- ◇ I/O Type: Eight Analog Input, Two Digital Output
- ◇ Input Type: mV, V, mA
- ◇ 10/100 Mbps Base-T Ethernet Communication
- ◇ Mathematical Functions: Maximum, Minimum, and Average



The HSQ-6017 module is designed with eight analog inputs and two digital outputs to accommodate all your industrial needs. Each analog channel is allowed to configure an individual range for a variety of applications.

SPECIFICATIONS

Analog Input

- **Channels:** 8 (differential)
- **Input Impedance:** >10 M Ω (voltage)
120 Ω (current)
- **Input Type:** mV, V, mA
- **Input Range:** ± 150 mV, ± 500 mV, ± 1 V
 ± 5 V, ± 10 V, 0-20 mA,
4-20 mA
- **Accuracy:** $\pm 0.1\%$ or better (voltage)
 $\pm 0.2\%$ or better (current)
- **Span Drift:** ± 25 ppm / $^{\circ}$ C
- **Zero Drift:** ± 6 μ V / $^{\circ}$ C
- **Resolution:** 16-bit
- **Sampling Rate:** 10 sample/second (total)

Digital Output

- **Channels:** 2 (Open Collector to 30 V,
100 mA maximum load)
- **Power Dissipation:** 300 mW per module

General

- **Power Consumption:** 2 W @ 24 V_{DC}
- **Connectors:** Plug-in screw terminal block (I/O and power)
- **Watchdog:** System (1.6 second) and Communication (programmable)
- **Power Input:** 10 – 30 V_{DC}

Protection

- **Over Voltage Protection:** ± 35 V_{DC}
- **Isolation Protection:** 2,000 V_{DC}
- **Built-in TVS/ESD Protection**
- **Power Reversal Protection**

Environment

- **Operating Temperature:** -10° – 70° C (14° – 158° F)
- **Storage Temperature:** -20° – 80° C (-4° – 176° F)
- **Humidity (Operating):** 20 – 95% RH (non-condensing)
- **Humidity (Storage):** 0 – 95% RH (non-condensing)

