ADAM-4011 Thermocouple Input Module

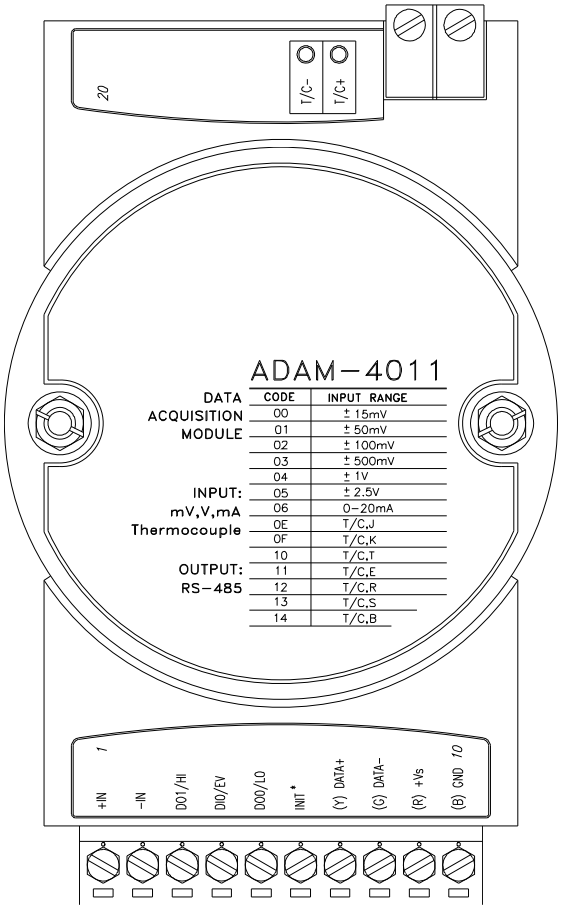

Figure 3-1 ***ADAM-4011 Thermocouple Input Module***

Accepts:

- J, K, T, E, R, S and B thermocouples
- Millivolt inputs: ±15 mV, ±50 mV, ±100 mV and ±500 mV
- Volt inputs: ±1 V and ±2.5 V
- Current input: ±20 mA (Requires a 125 resistor)

Two digital output channels and one digital input channel are provided.

Depending on the module's configuration setting, it can forward the data to the host computer in one of the following formats:

- Engineering units (°C, mV, V or mA)
- Percent of full-scale range (FSR)
- Two's complement hexadecimal

ADAM-4011D Thermocouple Input Module

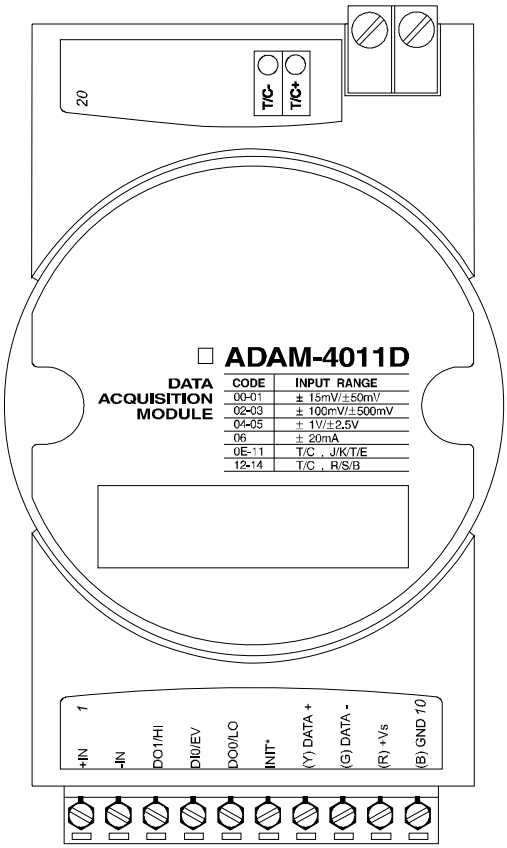

Figure 3-2 *ADAM-4011D Thermocouple Input Module with LED Display*

Accepts:

- J, K, T, E, R, S and B thermocouples
- Millivolt inputs: ±15 mV, ±50 mV, ±100 mV and ±500 mV
- Volt inputs: ±1 V and ±2.5 V
- Current input: ±20 mA (Requires a 125 resistor)

Two digital output channels and one digital input channel are provided.

Depending on the module's configuration setting, it can forward the data to the host computer in one of the following formats:

- Engineering units (°C, mV, V, or mA)
- Percent of full-scale range (FSR)
- Two's complement hexadecimal

Application Wiring

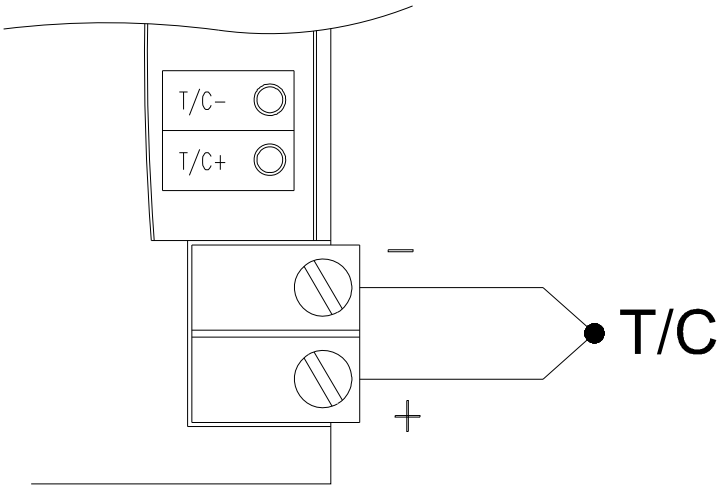

Figure 3-3 ***ADAM-4011/4011D Thermocouple Input Wiring Diagram***

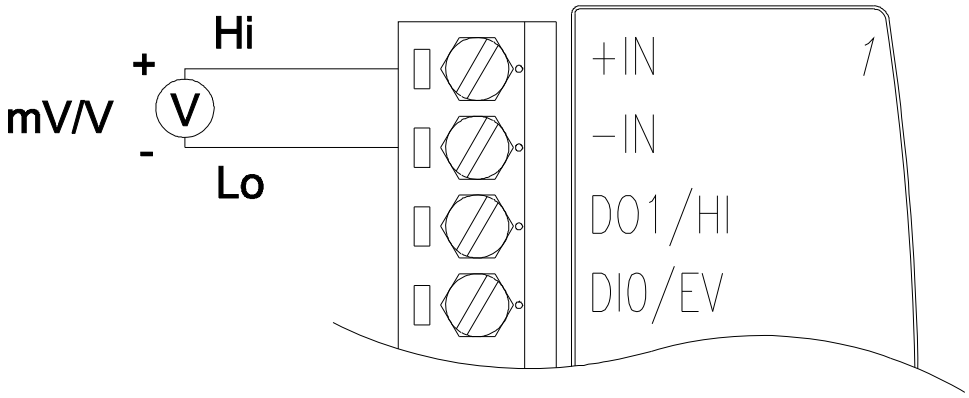

Figure 3-4 ***ADAM-4011/4011D Millivolt and Volt Input Wiring Diagram***

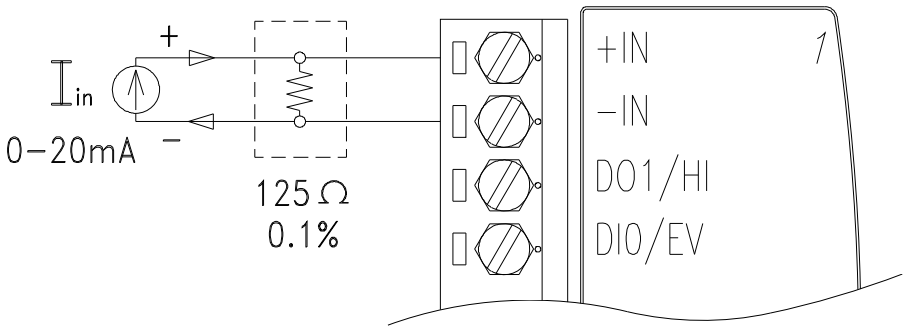

Figure 3-5 ***ADAM-4011/4011D Process Current Input Wiring Diagram***

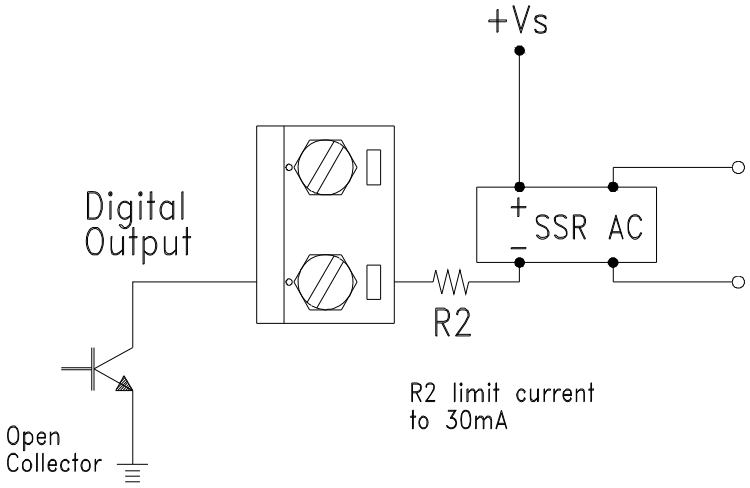

Figure 3-6 ***ADAM-4011/4011D Digital Output Wiring Diagram Used with SSR (HI-LO alarm)***

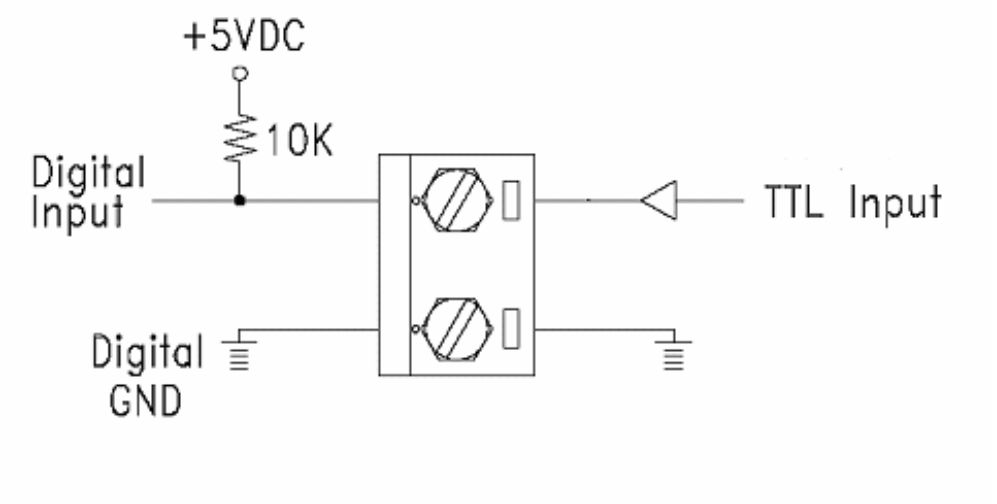

Figure 3-7 ***ADAM-4011/4011D Digital Input Wiring Diagram Used with TTL***

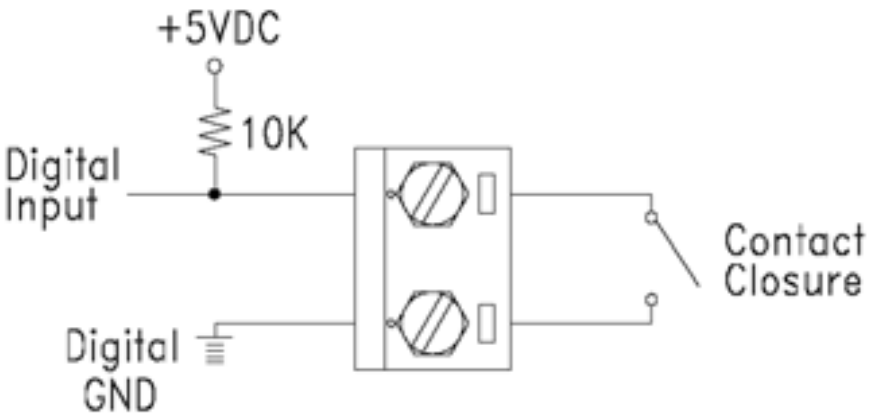

Figure 3-8 ***ADAM-4011/4011D Digital Input Wiring Diagram Used with Dry contact***