X-TC1W-K
Thermocouple to 1-Wire Adapter

Quick Start Guide

Installation Instructions:

Install the X-TC1W-K
Install the X-TC1W-K in a protected location away from rain and direct sunlight. The internal cold junction compensation will be more accurate if the X-TC1W-K is protected from rapid temperature changes.
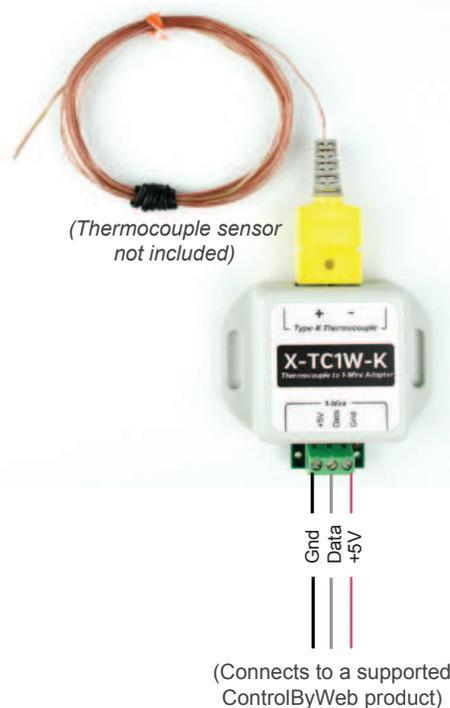
Thermocouple Sensor
Connect the thermocouple sensor into the positve (+) and negative (-) terminals.

1-Wire Connections
The adapter has three wires which are connected to a compatible ControlByWeb device. The cable can be extended with additional wire, if needed.

(Thermocouple sensor not included)

Gnd Data +5V

(Connects to a supported ControlByWeb product)

Sensor Setup:

1. The sensor comes from the factory with a unique, non-changeable address. Once the sensor is connected to the host device, the device must associate a sensor name with the sensor address.

2. After the sensor is added, alarms, email notifications, logging and other options can be configured. For more information about how to configure these options, please consult the host device's users manual.

Sensor Specifications:

Thermocouple Sensor:
Sensor Type: Type-K (Must be ungrounded or isolated)
Temperature Range: -200°C to 1250°C (-328°F to 2282°F)
Accuracy: ±0.5°C

X-TC1W-K:
Operating Range: -40°C to 80°C (-40°F to 180°F)
Humidity: 5-95%, non-condensing

1-Wire:
Operating Voltage: +5.0 VDC ±0.25V
Communications Protocol: 1-Wire®

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