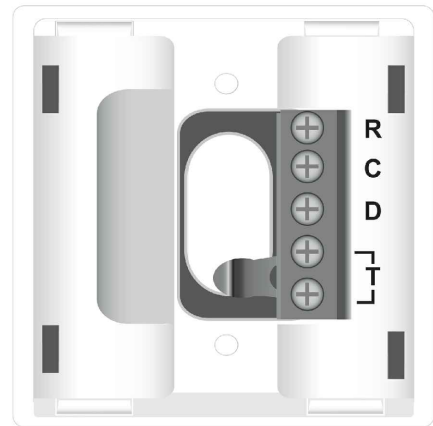


Terminal Designations



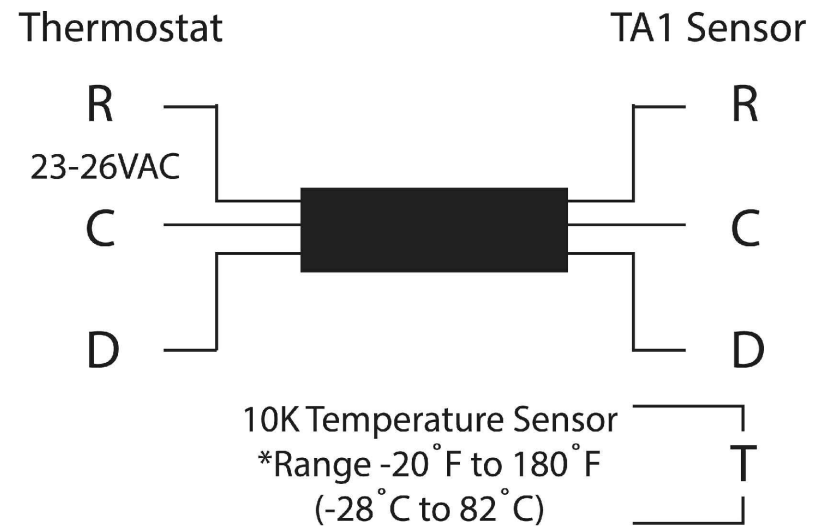
R – 24 VAC Power

C – Common 24 VAC

D – Data Line

T – 10K Temperature Sensor

Wiring Diagram



Note:

The TA1 sensor requires 3-wires for power and communication with a TS200(H); as shown in the diagram above. In many situations you will be able to simply mount the TA1 sensor on a wall and use the provided 10K internal temperature sensor to detect the temperature at the desired location.

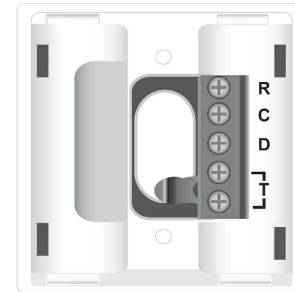
Follow the guide on page 3 for alternate installation options for the TA1 sensor. The TA1 sensor can be installed at a maximum distance of 500' from a TS200(H). A 10K external temperature probe can be connected to the TA1 sensor up to 100' away.

We recommend using a Pelican certified external temperature probe. Contact your local Pelican Wireless distributor for assistance.

Wiring Options:

The following wiring options should be used to determine the proper wiring approach for your application. This guide shows the most common configurations. Contact Pelican Wireless Systems for assistance with configurations not shown on this guide.

Internal Temperature Sensor

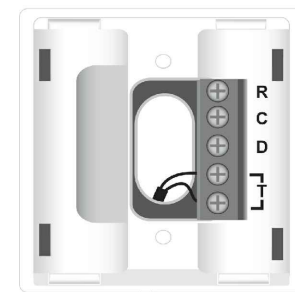


For installations where 3-wires already exist or can be run from a TS200(H) thermostat to the TA1 sensor. Mount the TA1 sensor directly on the wall. Connect TA1 sensor's D, C, and R terminals to matching terminals at TS200(H). 500' maximum distance.

Applications:

- Detect temperature inside of an enclosed refrigerator or freezer.
- Install the TA1 sensor in the conditioned area with the thermostat placed in a secure, non-visible location.

2-Wire External Temperature Probe

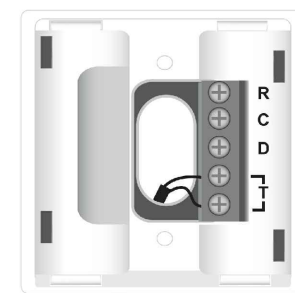


Remove the internal temperature sensor from the "T" terminal of the TA1 sensor. Connect the external temperature probe to the TA1 sensor's "T" terminal. 100' maximum distance.

Connect the TA1 sensor's D, C, and R terminals to matching terminals of the TS200(H).

Up to 100'

Interface Dry Contact Relay for Alarm Notification



Interface a Dry Contact Sensor's output to the input of the TA1 Sensor in order to create an alarm notification through your Pelican Site Manager.

Remove the provided internal temperature sensor from the "T" terminal of the TA1 sensor. Connect the output of the external sensor to the TA1 sensor's "T" terminal.

Connect the TA1 sensor's D, C, and R terminals to the matching terminals of the TS200(H).

Note: Can be used with normally open or normally closed contacts.

Up to 150'

TA1 Temperature and Alarm Sensor

SCALE: NTS

