

Temperature and Alarm Sensor (TA1) 3-wire add-on accessory for a TS200(H)



Temperature and Alarm Sensor



TA1

Overview

The Pelican Temperature and Alarm Sensor is an add-on accessory to the Pelican TS200 or TS200H. It is connected to the Pelican thermostat using 3 wires to provide power and communication. Once connected it provides an input for either an

external temperature probe (for temperature monitoring and control) or to add a dry contact input to generate an alarm notification through the Pelican Site Manager. The applications where this device can be used are: to detect the temperature inside of an enclosed refrigerator or freezer, to be placed on a wall in a conditioned space with the thermostat installed in a non-visible location, to monitor supply air or outside air temperature, or to interface with a water detector or similar device to generate a notification alert.

Features

- 3-wire connection to your Pelican thermostat.
- Comes with an internal 10k temperature probe.
- Accepts 2-wire external 10k temperature probe.
- Accepts either a normally open or normally closed alarm input.
- Set-up via Pelican's web-based app.
- Can average temperature between TA1 and a TS200(H).
- Can be used for conditioned space temperature sensing instead of using the internal TS200(H) temperature sensor.
- Continuously collects historical data.
- Certified Pelican 10k thermistors are available.

Key Customer Benefits

- External Temperature Sensing
- Refrigeration and/or Freezer Monitoring
- Supply Air or Outside Air Temperature
- Dry Contact Relay Alarm Notifications via Text Message or Email
- Simple Installation
- Small Footprint
- Affordable Accessory
- 24/7 Email Technical Support
- Monday thru Friday, 8am-5pm PST Live Support
- 5 Year Warranty



Specifications

Electrical

- Power - hardwire 24VAC, 15mA
- Voltage - 23-28VAC
- Thermistor - 10K Type 2

Wiring

- 3-wire connection to TS200(H) - D, R, C
- 2-wire 10K temperature thermistor probe input - 100ft. max distance
- 2-wire Dry Contact relay input - 150ft. max distance

Thermistor Temperature Range

- -20°F to 180°F (-28°C to 82°C)

Dry Contact Relay

- Normally open or normally closed contact

Operating Range

- -4°F to 122°F (-20°C to 50°C)
- Humidity 5 to 90%

Size

- Dimensions (in.) W 2.5" X H 2.5" X D .75"
- Dimensions (mm) W 63.5 X H 63.5 X D 19.05
- Mounting - Vertical (logo at bottom)