The TA1 is a wired thermostat accessory either used as an external temperature sensor or to provide an input for an external thermistor or a dry contact relay. The TA1 is compatible with the TS200, TS200H, TS250, and TS250H. Connecting the TA1 is simple and provides a wide range of input flexibility. Most common applications for a TA1 are:

**SPACE TEMPERATURE**
Mounting a TA1 in a space and wiring it to a Pelican thermostat allows the TA1 to be set as the thermostat’s temperature sensor for temperature control. The TA1 can also be set as an averaging temperature.

**DUCT TEMPERATURE**
The TA1 has a two wire input for a 10K Type II external thermistor. Most commonly used to monitor discharge air or outside air.

**COLD BOX MONITORING**
Mounting a TA1 directly inside a cold box provides virtual monitoring of the cold box temperature. Pelican provides settable safe ranges for email/text notifications. For temperatures below -4°F an external thermistor will need to be used down to -20°F.

**DRY CONTACT ALARM**
A TA1 can accept a dry contact relay. Pelican can send a uniquely named email or text message alarm if either the dry contact opens or closes.

**OCCUPANCY SENSOR INPUT**
A TA1 can accept a dry contact occupancy sensor. Thermostat will automatically adjust temperature settings based on occupancy.

**POWER**
- Hardwire 24VAC, 60Hz; 50 mA
- Voltage Range: 23 - 30VAC
- Thermistor: 10K Type II

**COMMUNICATION WIRING**
- Three Wires to a Pelican Thermostat (TS200, TS200H, TS250, TS250H)
  - R: 24VAC
  - C: NEUTRAL
  - D: DATA

**OPERATING RANGE**
- Operating Range: -4°F to 160°F (-20°C to 50°C)
- Operating Humidity (%RH): 5 to 90% RH; non-condensing
- Storage Temperature: -20°F to 160°F

**INPUT WIRING**
- External Probe: Two Wire, max 100'
- Dry Contact Input: Two Wire, max 150'

**DRY CONTACT INPUT**
- Alarming: N/O or N/C
- Occupancy Sensor: N/O = Unoccupied, N/C = Occupied

**TEMPERATURE RANGE DETECTION**
- Internal Probe: -4°F to 120°F
- External Probe: -20°F to 180°F

**SIZE**
- Inch: H 2.5" x W 2.5" x D .75"
- mm: H 63.5 x W 63.5 x D 19

Designed and Assembled in the USA
5 Year Limited Warranty

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DS-TA1-1