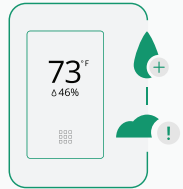
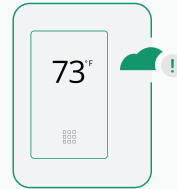
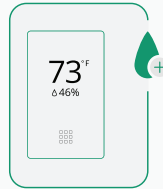
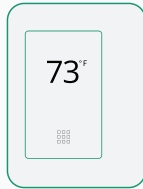


Commercial Connected Thermostat - TC Series

The Pelican Commercial Connected Thermostat provides customers with virtual indoor climate management. The TC Series Thermostats deliver on advanced energy efficiency, built-in notifications, and fine tuned comfort. Coupled with the Pelican Web App, the TC Series of Thermostats track space temperature and HVAC operational data in real-time and historically.



TC MODELS



Part Number	TC1	TC2	TC3	TC4
Temperature Sensor	Yes	Yes	Yes	Yes
Humidity Sensor	-	Yes	-	Yes
CO ₂ Sensor	-	-	Yes	Yes

TC MODEL SPECIFICATIONS

Product Name	Commerical Connected Thermostat	
Operating Range	-20°F to 122°F	
Operating Humidity (%RH)	5% to 90 % Relative Humidity (non-condensing)	
Temperature Deadband	3°F setting, auto-adjusting to 5°F	
Storage Temperature	-20°F –160°F	
Wireless Frequency	2.4 GHz Mesh Networking	
Wireless Standards	IEEE 802.15.4	
Hardwire Power	24VAC, 60Hz; 105 mA	
Operating Voltage Range	23 - 30 VAC	
FCC Compliance	Class B part 15	
Conventional Wiring	R, C, W, W2, Y, Y2, G	
Heat Pump Wiring	R, C, O/B, AUX, Y, Y2, G	
Dimensions	7.25 x 3.5 x 1.25-in (184 x 89 x 32 mm)	
Mounting	Vertical Mount	
Relay Current Rating	2.0A running (Y, Y2, W, W2, G)	1.0A running * (Dh & Hu)
Humidity Sensor Specifications*	Humidify setting: 10 - 80% RH Dehumidify setting: 20 - 90 RH	
CO₂ Sensor Specifications**	400 - 2000 PPM detection range +/- 50 PPM accuracy at 600 PPM and 1000 PPM, auto-calibrating	
*Applies to the TC2 and TC4 only	**Applies to the TC3 and TC4 only	

TC MODEL FEATURES

Wireless Mesh Network

- TC Thermostats communicate over Pelican’s wireless. Install a Pelican Gateway to connect the wireless network to the Internet. Each TC Thermostat has built-in state-of-the-art wireless mesh network auto-healing and repeating capabilities.

Fault Alarming

- Built-in equipment fault, temperature, CO₂** and humidity* analytics with automated email or text message alerts when a fault is detected.

Web-App

- Virtual and central management of TC Thermostats are provided for free on all smart phones, tablets, and PCs.
- Directly manage thermostat temperature, CO₂** and humidity* levels through the web-app.
- Designed for intuitive control over multiple thermostats.

Historical Trend Data

- Online viewable historical data of space temperature, set-points, HVAC operation, CO₂ level**, humidity level* and fan.

Installation

- Industry standard HVAC terminals utilize existing thermostat wire.
- Included with the TC Thermostats are Pelican’s innovative limited wiring relay pack used in applications where there are only three (3) wires to the HVAC unit.

Scheduling

- Through the Pelican Web App you can schedule the TC Thermostats for daily, 5-2, or 7-day schedules. Thermostats can also be scheduled as groups, for simple multi-thermostat management.

Slim and Sleek

- The TC Thermostat’s design provides both a simple touch interactive experience while disappearing on the wall.

System Protections

- Four-Minute Compressor Short-Cycle Protection
- Temporary Schedule Override
- Auxiliary/Emergency Heat Efficiency Algorithm
- Keypad Lockout
- Trend Data Analytics and Fault Monitoring
- Integrated CO₂ sensor, in-room display and alarm**

Compatibility

- 24VAC Conventional
- Heat Pump
- 4-Pipe
- 2-Pipe
- Pelican Zone Damper Control



Meets California Title 24

*Applies to the TC2 and TC4 only

**Applies to the TC3 and TC4 only