

# TC2 Commercial Connected Thermostat with Integrated Humidity Sensor

The Pelican Commercial Connected Thermostat with an integrated humidity sensor provides customers with virtual indoor climate and humidity management. The TC2 delivers on leading edge energy efficiency, built-in notifications, and fine tuned comfort. Coupled with the Pelican Web App, the TC2 tracks space temperature, humidity levels, and HVAC operational data in real-time and historically.



**+ MESH WIRELESS NETWORK**

The TC2 communicates over Pelican's wireless. Install a Pelican Gateway to connect the wireless network to the Internet. Each TC2 has built-in state-of-the-art wireless mesh network auto-healing and repeating capabilities.

**+ FAULT ALARMING**

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

**+ WEB APP**

Virtual and central management of TC2 provided for free on all smart phones, tablets, and PCs. Directly manage thermostat temperature 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, humidity level, and fan.

**+ INSTALLATION**

Industry standard HVAC terminals utilize existing thermostat wire. Included with the TC2 is 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 TC2 thermostat for daily, 5-2, or 7-day schedules. Thermostats can also be scheduled as groups, for simple multi-thermostat management.

**+ SLIM AND SLEEK**

The TC2 design provides both a simple touch interactive experience while disappearing on the wall.

Designed and assembled in the USA  
5-Year Limited Warranty



Meets California Title 24

## Specifications

**POWER**

Hardwire	24VAC, 60Hz; 105 mA
Voltage Range	23 - 30VAC
HVAC Control Relay Current	2.0A running
Humidity Control Relay Current	1.0A running

**COMPATIBILITY**

24VAC Conventional, Heat Pump, 4-Pipe, 2-Pipe, and Pelican zone damper control.

**WIRING**

Conventional	R, C, W, W2, Y, Y2, G
Heat Pump	R, C, O/B, AUX, Y, Y2, G
Humidity Control	Hu, Dh

**SYSTEM PROTECTION**

- Four-Minute Compressor Short-Cycle Protection
- Temporary Schedule Override
- Auxiliary/Emergency Heat Efficiency Algorithm
- Keypad Lockout
- Trend Data Analytics and Fault Monitoring

**THERMOSTAT RANGE**

Operating Range	-20°F to 122°F
Operating Humidity (%RH)	5 to 90% RH; non-condensing
Humidity Setting Range	10-80% RH
Dehumidify Setting Range	20-90% RH
Storage Temperature	-20°F to 160°F

**SIZE**

Inch	H 5.2" x W 3.9" x D 0.75"
mm	H 132 x W 99 x D 19
Vertical Mounting.	Mounts on vertical single gang ring.

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