

TC1 Commercial Connected Thermostat

The Pelican Commercial Connected Thermostat provides customers with virtual indoor climate management. The TC1 delivers on leading edge energy efficiency, built-in notifications, and fine tuned comfort. Coupled with the Pelican Web App, the TC1 tracks space temperature and HVAC operational data in real-time and historically.



+ MESH WIRELESS NETWORK

The TC1 communicates over Pelican's wireless. Install a Pelican Gateway to connect the wireless network to the Internet. Each TC1 has built-in state-of-the-art wireless mesh network auto-healing and repeating capabilities.

+ FAULT ALARMING

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

+ WEB APP

Virtual and central management of TC1 provided for free on all smart phones, tablets, and PCs. Directly manage thermostat temperature 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, and fan.

+ INSTALLATION

Industry standard HVAC terminals utilize existing thermostat wire. Included with the TC1 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 TC1 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 TC1 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
Independent Relay Current	2.0A 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

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
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.