PELICAN touch

TC4 Commercial Connected Thermostat with Integrated Humidity and CO_2 Sensor

The Pelican Commercial Connected Thermostat with an integrated humidity and CO_2 sensor provides customers with virtual indoor climate, humidity, and ventilation management. The TC4 delivers on leading edge energy efficiency, built-in notifications, and fine tuned comfort. Coupled with the Pelican Web App, the TC4 tracks space temperature, humidity levels, CO_2 levels, and HVAC operational data in real-time and historically.

+ MESH WIRELESS NETWORK
The TC4 communicates over Pelican's wireless. Install a Pelican Gateway to connect the wireless network to the Internet. Each TC4 has built-in state-of-the-art wireless mesh network auto-healing and repeating capabilities.

+ FAULT ALARMING
Built-in equipment fault, temperature, CO_2 and humidity analytics with automated email or text message alerts when a fault is detected.

+ WEB APP
Virtual and central management of TC4 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, CO_2 level, and fan.

+ INSTALLATION
Industry standard HVAC terminals utilize existing thermostat wire. Included with the TC4 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 TC4 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 TC4 design provides both a simple touch interactive experience while disappearing on the wall.

Designed and assembled in the USA
5-Year Limited Warranty

FC
CONTAINS FCC ID
OA3MRF24J40MA

Air Quality
Management

Meets California Title 24 and (AB) 841

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 Outputs	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
Integrated CO_2 sensor, in-room display and alarm

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
Integrated Room CO_2 Sensor	400 – 2000 PPM; +/- 50ppm accuracy
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.

Pelican Wireless Systems | 2655 Collier Canyon Road, Livermore CA 94551
(888) 512-0490 | sales@pelicanwireless.com