

TS250 Internet-Enabled Thermostat with Integrated CO² Sensor

The Pelican Internet-Enabled Thermostat with an integrated CO² sensor provides commercial customers with virtual climate and air quality management. The TS250 delivers accurate temperature management, air quality (CO²) management, leading edge energy efficiency, built-in safeties and alarming, and fine tuned comfort. Coupled with the Pelican Web App, the TS250 tracks space temperature, CO² levels, and HVAC operational data in real-time and historically. All information is displayed in real-time online and is viewable on any Internet-connected device.



+ MESH WIRELESS NETWORK

The TS250 communicates wirelessly with a GW400 to reach the Internet. Each TS250 has built-in state-of-the-art wireless mesh network communication and repeating.

+ FAULT ALARMING

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

+ WEB APP

Virtual and central management of TS250 available on all smart phones, tablets, and PCs. Directly manage thermostat temperature and CO² levels through a web browser. Designed for intuitive control over multiple thermostats.

+ HISTORICAL TREND DATA

Online viewable historical data of space temperature, setpoints, HVAC demand, CO² level, and fan demand.

+ INSTALLATION

Industry standard HVAC terminals utilize existing thermostat wire. Included with TS250 is Pelican's innovative limited wiring relay pack (WM500) used in applications where there are only three (3) wires to the HVAC unit.

+ SCHEDULING

Through the Pelican Web App you can schedule the TS250 thermostat for daily, 5-2, or 7-day schedules. Thermostats can also be scheduled as groups, for simple multi-thermostat management.

Designed and assembled in the USA
5-Year Limited Warranty



Specifications

POWER

Hardwire	24VAC, 60Hz; 50 mA
Voltage Range	23 - 30VAC
Relay Current	1.0A running

COMPATIBILITY

24VAC gas, electric, or oil heating systems.
 Conventional and Heat Pump

WIRING

Conventional	R, RC, W, W2, Y, Y2, G, C
Heat Pump	R, RC, O/B, AUX, Y, Y2, G, C

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
Differential Temperature	±0.5°F
Operating Humidity (%RH)	5 to 90% RH; non-condensing
Integrated Room CO ² Sensor	0 - 2000 PPM; +/- 50ppm accuracy
Storage Temperature	-20°F to 160°F

SIZE

Inch	H 3.5 x W 5.97 x D 1.5
mm	H 89 x W 150 x D 38
Horizontal Mounting	

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