The Pelican Internet-Enabled Thermostat with an integrated CO\textsuperscript{2} sensor provides commercial customers with virtual climate and air quality management. The TS250 delivers accurate temperature management, air quality (CO\textsuperscript{2}) 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, CO\textsuperscript{2} 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 CO\textsuperscript{2} 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, CO\textsuperscript{2} 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.

**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**

**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\textsuperscript{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