Oak Series
Indoor Climate Intelligence

Model: OakWall-24
Wired thermostat

✔ **Sleek design**
✔ **Intuitive controls**
✔ **Superior guest comfort**
✔ **Plug & play connectivity**
✔ **Online dashboard connectivity**

The OakWall-24 sophisticated programmable thermostat automates indoor climate, delivering superior guest comfort, while minimizing operational costs.

Designed for operational simplicity and behind-the-scenes automation, the **Climate Intelligence** platform senses room occupancy, temperature, humidity and openings. It adjusts climate settings to maximize comfort by syncing the operation of all HVAC units in the building.

Integrating with building management systems, looking into outside weather and utility tariffs, this plug & play platform dramatically drops energy and maintenance costs.

Room Thermal Profiling- 24/7 sensing and analyzing enables differentiation of controlled zones for true energy optimization.

Indoor Climate Connectivity- quickly deployed climate node network of meshed wireless sensors, allow comprehensive sensing of temp, humidity, occupancy, Doors and Windows.

Dynamic Temperature Setback- allows adaptable guest vacant room setback, based on room thermal profiling and guest preferences.

Peak Shaving- weather and utility tariff based machine learning cuts off peak charges.

Predictive Maintenance- constant performance analysis enables to identify abnormalities and address them, preceding customer complaints.

Personalized Climate- capable of integrating with hotel PMS and personalize climate settings upon check-in.

Dashboard Agility- enabling hotel staff to easily adjust every programmed feature per room / floor / site.

	OakWall-24
Outer Dimensions	5.35'' x 3.70'' x 1.02'' 136mm x 94mm x 26mm
Screen Dimensions	3.50'' x 2.44'' 89mm x 62mm
Installation dimensions (Hole pitch)	2.36'' / 3.22'' 60mm / 82mm
Wireless Range	Through walls: up to 100ft (30M) In open spaces: up to 0.3 Miles (500M)
Operating Voltage	24V AC/DC, 50/60Hz 3V CR1220 backup battery
Operating Temperature	32°F - 99°F 0℃ - 37℃ Indoor use only
Control Outputs	Fan High (Bl) Fan Low (G) Compressor (Y) Heat/RV (W) Aux Control (AUX)
Wired Sensor Terminal	NA
Temperature Sensor Humidity sensors	Temperature range: beyond operation range Accuracy: 0.2°C Humidity range: 0-100% Accuracy: 2%
Occupancy Sensor	NA
Additional Integral Sensors	NA
Additional Wireless Sensors	Occupancy Magnetic Door / Window Temperature / Humidity IAQ
RF frequency	2.4GHz
RF transmission power	19 dBm
Other means of communication	NA
Certification	FCC ID: 2AHI9YB25301

Typical HVAC applications
4 Pipe, 2 Fan, Heat/Cool FCU
2 Pipe, 2 Fan, Cool Only FCU
Heat Pump, 2 Fan
PTAC, 2 Fan with Heat Strip