Oak Series Indoor Climate Intelligence





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 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.

Outer Dimensions 5.35" x 3.70" x 1.02" 136mm x 94mm x 26mm 3.50" x 2.44" 89mm x 62mm Installation dimensions (Hole pitch) 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 Tan High (BI) Fan Low (G) Compressor (Y) Heat/RV (W) Aux Control (AUX) Wired Sensor Terminal Temperature Sensor Humidity sensors Additional Integral Sensors NA Additional Wireless Sensors Additional Wireless Sensors RF frequency RF frequency RF transmission power Other means of communication NA Certification FCC ID: 2AHI9YB25301		
Screen Dimensions 3.50" x 2.44" 89mm x 62mm 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 Control Outputs Control Outputs Control Outputs Temperature Sensor Humidity sensors Additional Integral Sensors Additional Wireless Sensors RF frequency RF transmission power Other means of communication NA 12.36" / 3.22" 60mm / 82mm 2.36" / 3.22" 60mm / 82mm Through walls: up to 100ft (30M) In open spaces: up to 0.3 Miles (500M) 24V AC/DC, 50/60Hz 3V CR1220 backup battery 32°F - 99°F 0°C - 37°C Indoor use only Fan High (BI) Fan Low (G) Compressor (Y) Heat/RV (W) Aux Control (AUX) NA Temperature range: beyond operation range Accuracy: 0.2°C Humidity range: 0-100% Accuracy: 2% Occupancy Magnetic Door / Window Temperature / Humidity IAQ RF frequency 2.4GHz NA Other means of communication NA		OakWall-24
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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