

Z24 Wireless Internet-Enabled Zone Controller

Pelican’s wireless zone controller is designed for VVT, VAV, Pneumatic, and Dual-Duct retrofits. The Z24 is a rooftop HVAC controller with the ability to communicate with up to 24 zones over Pelican’s innovative wireless mesh network. Pelican’s zone solution is pressure dependent. The Z24 has an integrated duct pressure input and provides true static pressure control, management, and safety. Built-in algorithms allows for comfort, energy efficiency, and safety without any programming expense. The Z24 connects wirelessly to a GW400 for full online management and diagnostics.

+ MESH WIRELESS NETWORK

The Z24 communicates wirelessly with a GW400 to reach the Internet. It also communicates wireless with each zone thermostat (i.e., TS200, TS250, TS200H, TS250H).

+ FAULT ALARMING

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

+ PELICAN WEB APP

Virtual and central management of Z24 and thermostats available on all smart phones, tablets, and PCs. Directly manage zones though a web browser. Designed for intuitive control over multiple thermostats.

+ HISTORICAL TREND DATA

Online viewable historical data on space temperature, set points, HVAC demand, and HVAC operations.

+ INTELLIGENT CONTROL

The Z24 delivers built-in static pressure management (bypass or VFD), HVAC unit control of up to three stages heat and three stages cool, economizer control, demand ventilation, and supply, return, and outside air management. Using intelligent algorithms, each Pelican zoned system learns its environment and adjusts operations to achieve the highest level of comfort with the greatest efficiency.

Designed and assembled in the USA
5-Year Limited Warranty



Specifications

POWER

Hardwire: 24VAC, 60Hz; 100 mA
 Voltage Range: 23 - 30VAC
 Relay Current: 1.0A running

WIRING

Conventional: R, RC, C, Y, W, G, W2, Y2, G2, W3, Y3
 Heat Pump: R, RC, C, Y, O/B, G, AUX, Y2, G2, Y3
 0-10VDC Output: A1 and A2
 0-10VDC Input: S1 and S2
 Thermistor Input: T1, T2, T3
 Static Pressure: Low and High direct input for static probe (probe and tubing included)

COMPATIBILITY

24VAC gas, electric, or oil heating systems
 Conventional or Heat Pump Units
 Six (6) Stages of Heat and Cool
 Dual-Duct System
 Maximum Twenty-Four Zones (Bypass Damper is NOT counted as a zone)

TEMPERATURE DETECTION RANGE

-20°F to 180°F

SYSTEM PROTECTION

Four (4) minute compressor short-cycle protection
 Automatic High and Low Discharge Temperature Safety Reset Cycle
 Automatic High and Low Static Pressure Safety Reset Cycle
 Minimum Supply to Return Alarming
 Automatic Supply Temperature Reset
 Automatic Static Reset

SIZE

Inch H 5.25 x W 8.0 x D 2.0
 mm H 133 x W 203 x D 51
 Horizontal Mounting

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