



SPECIFICATION

The Enlighted AirE application saves energy by enabling demand-driven heating or cooling using Enlighted's advanced distributed real-time occupancy sensing network.

OVERVIEW

The Enlighted AirE application saves energy by allowing heating and cooling when and where it is needed. Commercial building operators can now implement advanced reset strategies based on real-time building occupancy to maximize their investment in Direct Digital Control (DDC) systems with Variable Air Volume (VAV) and Variable Frequency Drives (VFD). The application allows facility managers to direct cooling or heating to where occupants are working, providing for a more comfortable environment while simultaneously saving energy.

FEATURES AND BENEFITS

Powerful yet easy to use: Provides a balance between High, Medium, and Low setpoints with intuitive system control. Users can define behavior for each VAV zone based on the most common space types in buildings such as a conference room, open office, or hallway. Built-in advanced fail-safe protective safety features ensure sensor and system reliability.

Simple Administration: Displays recommended occupancy setback modes and zone utilization with easy to drag interface for mapping sensors to zones and VAVs. The display includes concise visual mapping of zones, VAVs, and sensors on a floor plan with pre-defined behaviors and schedules for most common commercial space types. A minimal set of BACnet points provides a simple integration interface with Building Management Systems (BMS) that support BACnet/IP.

Rich reporting and monitoring via BMS: Dynamically view energy savings using customizable time schedules and occupancy setback modes. Monitor and view real-time occupancy-based setback modes and utilization by zones.

Time of Day	Reset Low (min.)	Reset Medium (min.)	Reset High (min.)	Revert to Auto(Occupied Minutes)
Early Morning	2	4	6	1
Morning	3	5	7	2
Mid Morning	2	4	6	1
Lunch	3	5	7	2
Afternoon	2	4	6	1
Late Afternoon	3	5	7	2
Evening	2	4	6	1
Night	3	5	7	2

ENLIGHTED SPECIFICATION SUBMITTAL

Job Name:

Job Number:

Product Codes:

AIRE-HW-01: Aire server and SW

AIRE-HW-02: Enterprise server & SW

AIRE-ZNS-20: Add-on 20 zones & SW

AIRE-ZNS-01: Add-on single zone



DEPLOYMENT

The Enlighted sensors communicate occupancy information to the Enlighted Energy Manager (EM), which relays this information to the *Aire* application. The *Aire* application can be deployed on any of the following Enlighted servers:

- **Aire Server:** The server can manage up to five Energy Manager (EM) servers or one Midrange Energy Manager.
- **Aire Enterprise Server:** The enterprise server can manage up to four Midrange Energy Managers or one Enterprise Energy Manager (EEM).
- **Virtual Server:** The virtual server can manage one Virtual Enterprise Energy Manager (VEEM).

Refer to the corresponding Energy Manager Data Sheet for details. In addition to the server, the yearly 20-zone license starter pack is required to start monitoring zones.

Contact Enlighted sales for details.



Enlighted Aire Server



Enlighted Aire Enterprise Server

Virtual Server Minimum Specification

Single Socket:	8 Virtual CPUs
Memory:	16 GB of memory
Data Drives:	Two 1 TB drives
NICs:	Two

SERVER TECHNICAL SPECIFICATIONS

Operating System: Linux-based

Web Client: Chrome, Firefox, IE 10+

Security: TCP/IP, Standards-based

BACnet: BACnet/IP

ORDERING INFORMATION

AIRE-HW-01	Aire server and SW (Zone license not included)
AIRE-HW-02	Aire Enterprise server and SW (Zone license not included)
AIRE-ZNS-20	Add-on 20-Zone license Starter pack and Aire SW
AIRE-ZNS-01	Add-on Single Zone license

For more information and to see a demo, email sales@enlightedinc.com