enteliWEB®

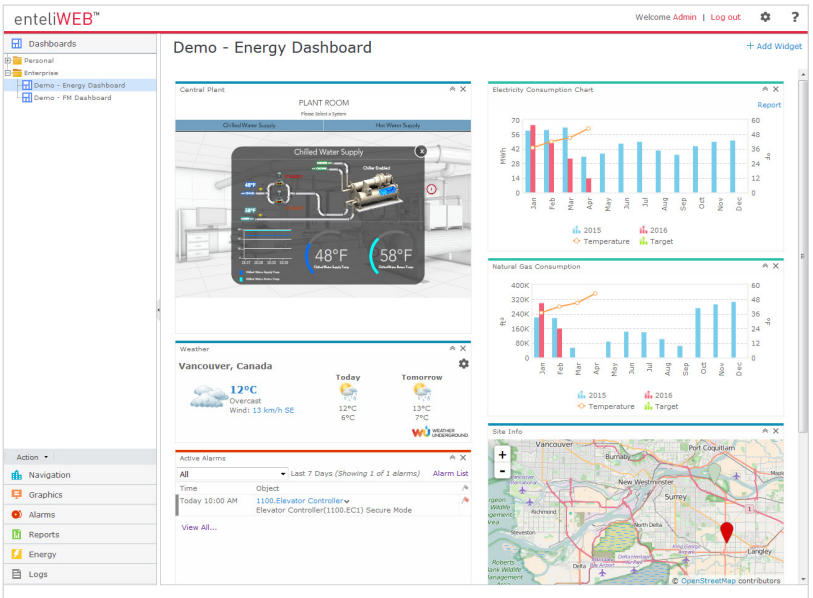
Software: Enterprise Facility and Energy Management

Description

enteliWEB is a web-based application that connects all your facilities and centralizes building management operations, site engineering and energy analytics.

View your building your way by creating your own personal dashboards. Whether you are an executive, an energy manager or a building operator, the user experience in enteliWEB can be tailored to meet your exact needs.

- **Energy Analytics** inside of enteliWEB enables you to turn the existing data and sensors inside your building into virtual meters, and manage energy consumption down to the zone and equipment level. This software-based approach gives you a complete level of knowledge at a fraction of the cost of installing sub-meters.
- **Engineering Tools** in enteliWEB allow you to create, edit and save objects, modify system graphics and back up databases from a single modern-looking front-end.
- **Centralize Facility Management** and make it easy to integrate scheduling, alarm management and operations. Connect to all of your buildings under a single login without having to network everything together. Track all building automation system (BAS) changes by service personnel, partner technicians and facility managers in enteliWEB.



Specifications

BACnet Protocol Rev 14

BACnet Device Profile
Advanced Operator Workstation (B-AWS)

Server Operating System
Microsoft® Windows Server® 2016
Microsoft Windows Server® 2012
Microsoft Windows Server® 2008 R2 Standard Edition
Microsoft Windows® 7
Microsoft Windows® 10

Server Virtualization
VMware® vCenter Server™
Microsoft Hyper-V®
Microsoft Azure™
Amazon® EC2®
Rackspace® Cloud Server™

Client Operating System
Microsoft Windows Server 2016
Microsoft Windows Server 2012
Microsoft Windows Server 2008 R2 Standard Edition
Microsoft Windows 7
Microsoft Windows 10

OS X v10.4 and higher

Client Browser
Windows Internet Explorer® 11 and higher
Firefox® 62 and higher
Google Chrome™ 69 and higher
Safari® 11 and higher for Mac
Microsoft Edge 41 and higher

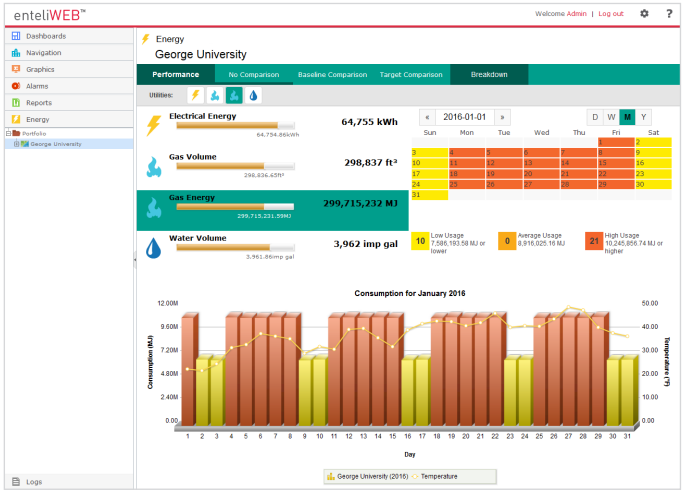
enteliWEB®

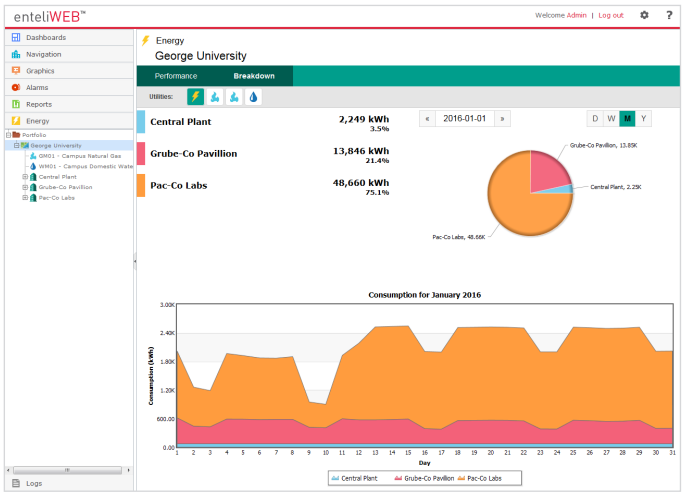
enteliWEB Energy

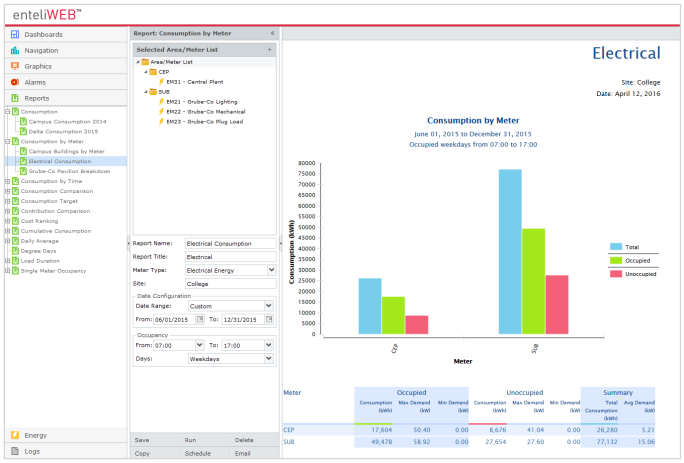
enteliWEB Energy is an enterprise energy management package that makes it easy for anyone to understand the energy usage of their building.

Leveraging the rich dashboard interface of enteliWEB, you have the tools to view your system's energy usage, set target energy goals and compare your energy usage against historical baselines.

- **Local or Cloud Applications.** enteliWEB Energy is the only energy analytics solution that scales from locally installed dashboards and reports to powerful cloud-based analytics.
- **Virtual Meters.** Find out exactly which building system is consuming too much energy without having to install costly wired meters. Virtual Meters utilize sensors and the data already gathered by the building automation system to track the energy consumption of every piece of equipment in your building, giving you unprecedented visibility into your consumption profile. You can also validate the calculated virtual meters with upstream utility meters.
- **Intuitive Dashboards.** These interactive dashboards allow you to analyze and breakdown usage to find energy savings. You can also create energy reports, and send and receive them by email.
- **Alerts and Insights.** Simple alerts to analytics-based Insights warn you in advance of potential consumption overages. Both alerts and Insights are annunciated in enteliWEB and can also be set up for email notification.







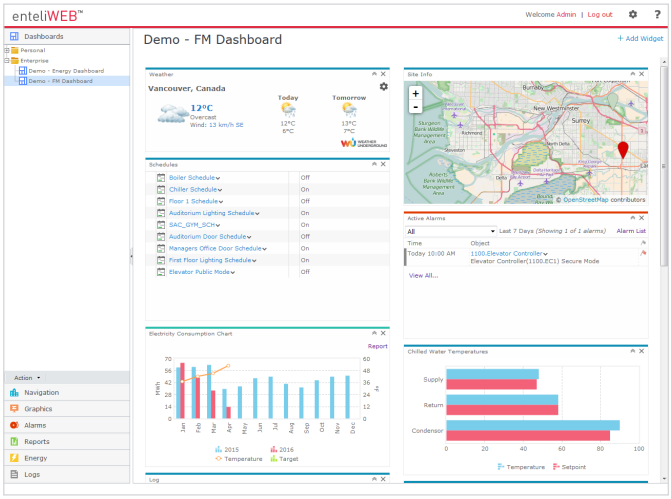
Delta CONTROLS
A Delta Group Company

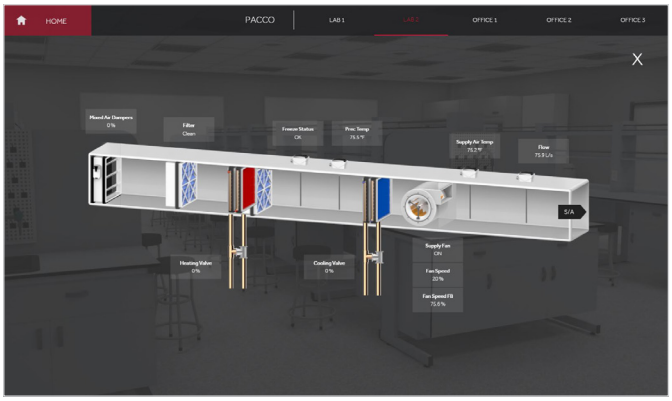
enteliWEB®

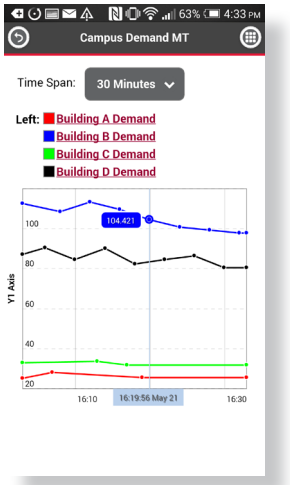
Visualizing Your Building

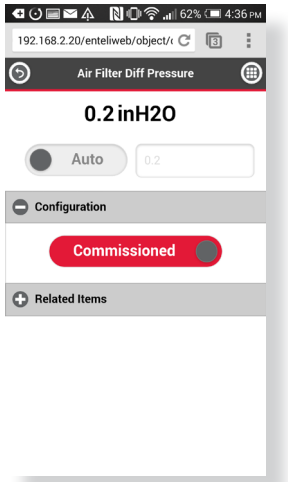
enteliWEB makes your data more accessible by presenting information in a visually attractive and user-friendly way.

- **Enterprise Dashboards.** Provide high level information in simple graphical formats to help manage the facility's key performance indicators (KPIs).
- **Personal Dashboards.** Personal dashboards are an experience you create yourself. By mixing and matching widgets, each user gets their own personalized dashboard to keep an eye on things that matter.
- **System Dashboards.** Make operating a facility easy by aggregating system graphics, alarm management, energy information and more into a single dashboard screen.
- **Navigator.** Automatically scans the BACnet network and presents devices in a logically arranged network tree. BACnet objects can be monitored and commanded directly from Navigator, or opened from Navigator to change the configuration details.
- **enteliVIZ™ Graphics.** Create HTML5-based intelligent visualizations and equipment graphics in your web browser. Use them in dashboards alongside other widgets, or as full-page standalone graphics.
- **Mobile Friendly.** Dashboard and object pages are optimized for viewing on your smartphone or tablet. Whether you just want an overview, or you need to override a point, dashboard-driven navigation makes it easy to drill down from high-level views to specific BACnet objects. Finger-friendly buttons and large text mean you don't have to pinch-and-zoom to view content.
- **Multiple Language Display.** Support your stakeholders in the language that they are most comfortable using. enteliWEB's user-interface can be displayed in one of 22 world languages by selecting the language preference in each user account.
- **Building Automation Reports.** Gather information about your building by querying controllers on the network and displaying them in professional-looking reports. Reports can be converted to multiple file types, such as .pdf and .xlsx and emailed automatically on a schedule.









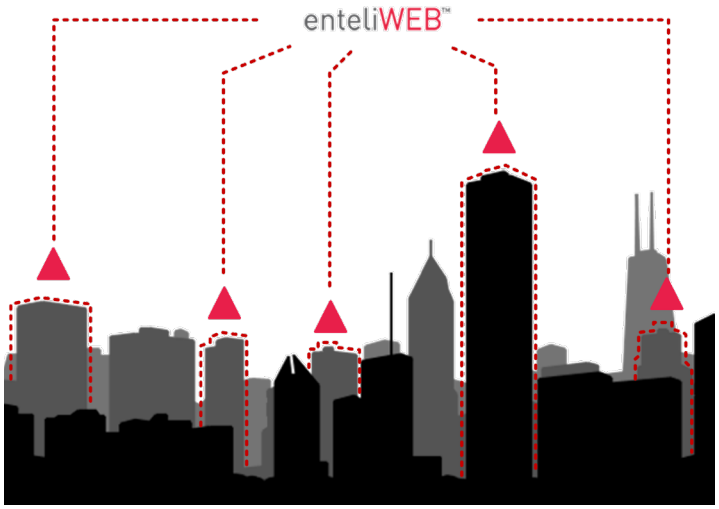
Delta CONTROLS
A Delta Group Company

enteliWEB®

Centralizing Facility Management

enteliWEB provides you the tools to manage multiple sites more effectively.

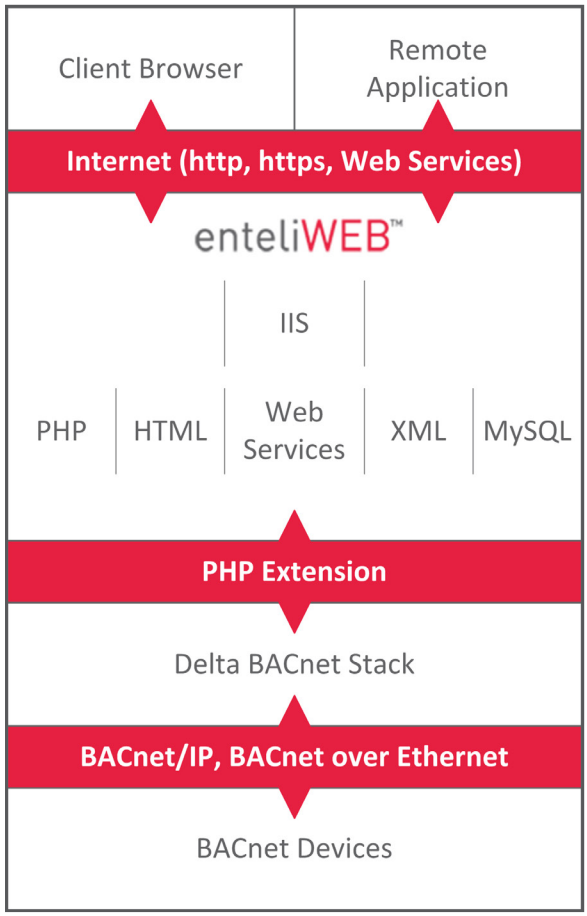
- **Single Login.** Manage multiple sites using a single login. No need to worry about duplicate addresses or networking everything together. All you need is an IP address for each site.
- **Retain Supervisory Control** of your entire portfolio of BACnet sites. Leave the other vendor's front end on-site while centralizing your alarm management, scheduling and energy analytics with enteliWEB.
- **Version Independent Software.** Allows organizations to operate an entire WAN without having to worry about maintaining different firmware versions in the hardware.
- **Restore and Backup.** Restore your entire BAS to an earlier state or quickly find a specific backup of a device. Schedule daily, weekly or monthly backups across devices on multiple sites.



Platform for Innovation

enteliWEB's suite of developmental tools allow you to create mobile apps, customize user interfaces and integrate third-party software.

- **API Documentation Available.** The enteliWEB application programming interface (API) is well-documented, so that you can easily create custom modules, widgets and interfaces to third-party software.
- **BACnet Web Services.** Allow remote applications, such as mobile apps or business systems to communicate with enteliWEB.
- **Alarm Module.** The alarm module allows alerts and alarms from non-BACnet systems to be annunciated and managed within enteliWEB.
- **Open Source Reporting Package.** Design custom reports in enteliWEB using an industry standard open source report package.
- **ODBC Driver.** Integrate the building automation system with business-level software.

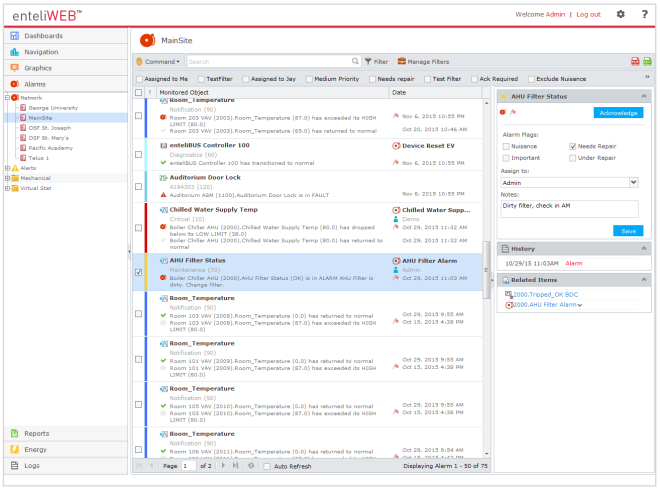


enteliWEB®

Alarms

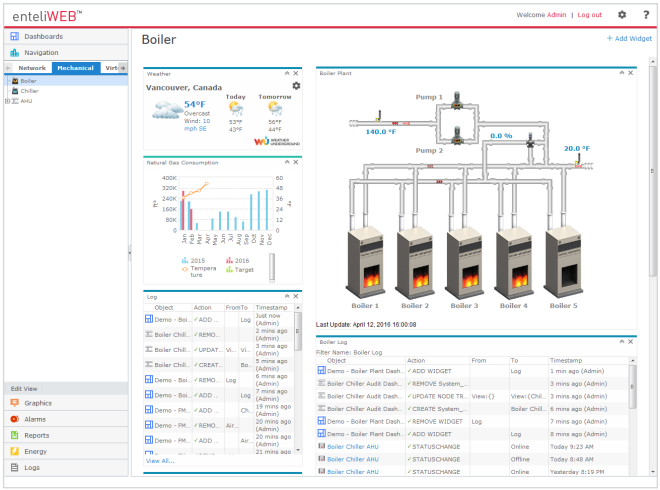
enteliWEB has a robust alarm management system that provides a detailed look at the issues and problems that come up on all your sites.

- **Comprehensive Alarm Management.** Includes intelligent visualizations, alarm assignments and operator comments on one screen. Powerful filtering, emailing and priorization make enteliWEB alarm management effective even on your largest sites.
- **Alarm Widgets.** Can be added to any dashboard for a quick summary of specific data types. The maps widget uses pushpins on a map of your building locations to indicate the number and severity of alarms. The alarm list widget shows the active alarms for specific equipment and the widget can be added to system dashboards.



Audit Log

Audit logs provide the ability to track changes made to the system. The powerful filtering and timeline chart make it easy to find the information you're looking for, including manual changes to outputs, alarm history and any other changes made by the system's users.

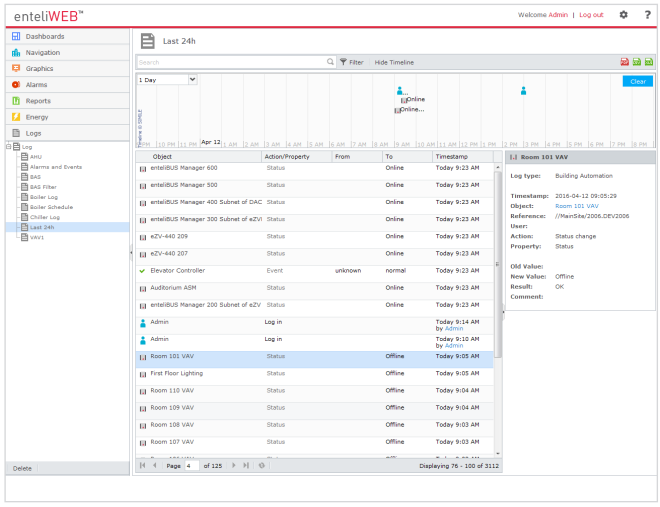


Electronic Signatures

enteliWEB supports electronic record regulations like FDA Code of Regulations Title 21 Part 11 by enforcing electronic signatures on modifications made in these validated environments. Signatures are recorded in the enteliWEB audit log. For more information, see the enteliWEB FDA 21 CFR Part 11 Compliance white paper.

User Permissions

- **User/Group Permissions.** Permissions give you the ability to assign roles and determine which BACnet objects and visualizations a user can see and interact with.
- **LDAP.** Integrate users from LDAP servers so that IT can control user access to enteliWEB.
- **Multi-Language Support.** Gives each user the option to select the language they want to use throughout enteliWEB.



enteliWEB®

Software: Enterprise Energy Management

Ordering

enteliWEB is available in 200, 500, 2500, and Enterprise editions.
All editions and add-ons include 1-year software maintenance subscription.

eW200

Includes	200 I/O, Multiple Sites	
Select add-ons	**eW200-EV**	enteliVIZ Graphics
	eW200-EM	Energy management
	eW200-VM	enteliWEB on an offline virtual machine
	eW200-API	Web services, mobile app, interface API and ODBC Driver

eW500

Includes	500 I/O, Multiple Sites	
Select add-ons	**eW500-EV**	enteliVIZ Graphics
	eW500-EM	Energy management
	eW500-VM	enteliWEB on an offline virtual machine
	eW500-API	Web services, mobile app, interface API and ODBC Driver

eW2500

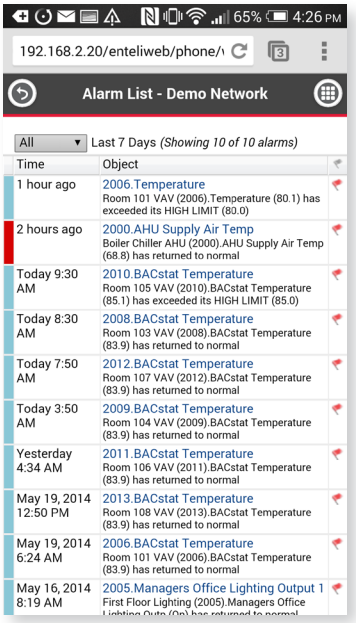
Includes	2500 I/O, Multiple Sites	
Select add-ons	**eW2500-EV**	enteliVIZ Graphics
	eW2500-EM	Energy management
	eW2500-VM	enteliWEB on an offline virtual machine
	eW2500-API	Web services, mobile app, interface API and ODBC Driver

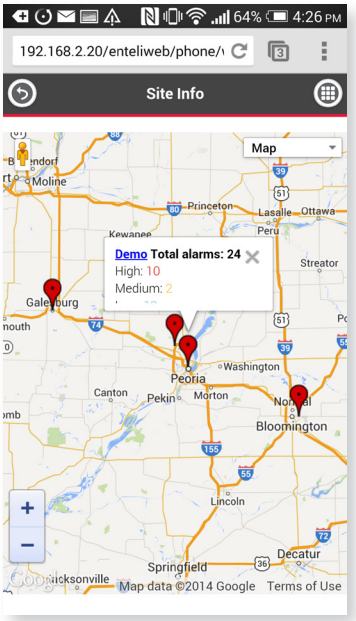
eWEnt

Includes	5000 I/O (expandable with AddOns), Multiple Sites	
Select add-ons	**eWEnt-EV**	enteliVIZ Graphics
	eWEnt-EM	Energy management
	eWEnt-VM	enteliWEB on an offline virtual machine
	eWEnt-API	Web services, interface API and ODBC Driver
	eWEnt-2500IO	2,500 I/O point add-on
	eWEnt-25kIO	25,000 I/O point add-on\
	eWEnt-UnLtd	Unlimited I/O point add-on

O3 Access Control

Select add-on	**O3ACC50**	Access Dashboard license up to 50 doors
	O3ACC250	Access Dashboard license up to 250 doors
	O3ACC500	Access Dashboard license up to 500 doors
	O3ACC1000	Access Dashboard license up to 1000 doors
	O3ACCUnLtd	Access Dashboard license with unlimited doors





Microsoft, Windows Server, Windows, Hyper-V, Azure and Internet Explorer are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries. OS X and Safari are trademarks of Apple Inc.,registered in the U.S. and other countries. Firefox is a registered trademark of the Mozilla Foundation. Google Chrome is a trademark of Google Inc. BACnet is a registered trademark of the American Society of Heating, Refridgerating and Air-Conditioning Engineers, Inc.

Updated Jan 2 2019

Subject to change without notice.

Copyright © 2019 Delta Controls. All rights reserved.