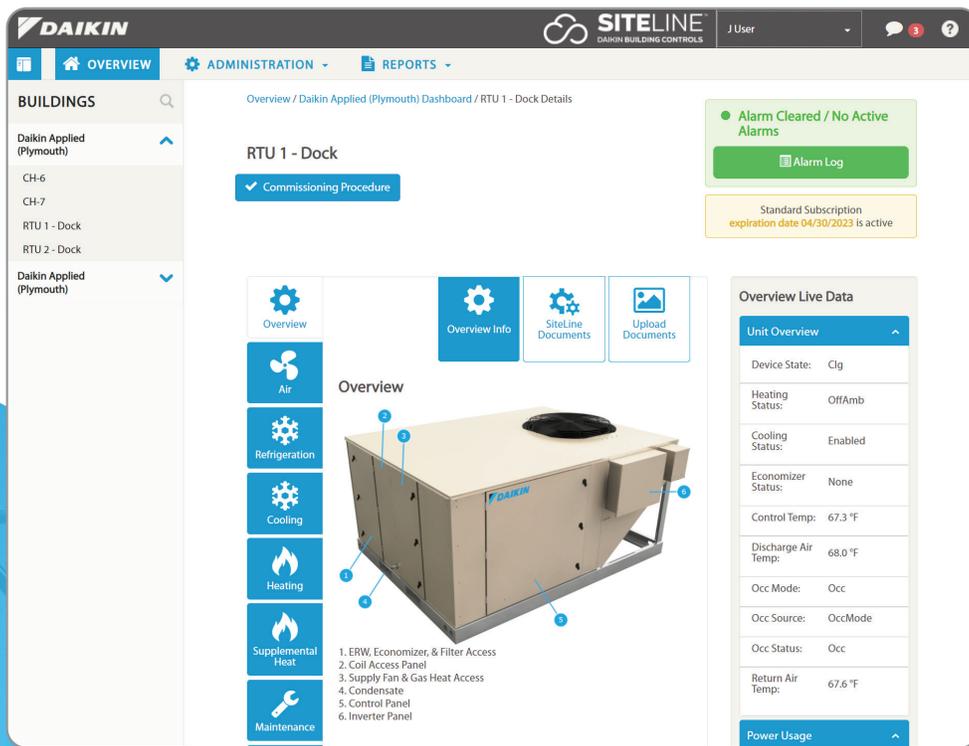


# SITELINE<sup>®</sup>

CLOUD INTERFACE



<b>Safety Information</b> .....	<b>3</b>	<b>Building Dashboard</b> .....	<b>41</b>
Hazard Identification .....	3	Building Status .....	42
<b>Introduction</b> .....	<b>4</b>	Setup Meters .....	43
Product Description .....	4	Run Time .....	46
Revision History .....	4	Energy Usage .....	46
Reference Documents .....	4	Building Info .....	47
Limited Warranty .....	4	Weather .....	47
Notice .....	4	Resources .....	48
<b>Overview</b> .....	<b>5</b>	Energy Cost .....	48
Initial Login .....	5	Maintenance .....	49
User Profile Menu .....	7		
Log Out .....	8		
System Messages .....	9		
Administration Menu .....	10		
Reports Menu .....	14		
Overview Screen .....	15		
List View .....	17		
<b>Unit Dashboard</b> .....	<b>21</b>		
Overview Screen .....	23		
Unit Section Screens .....	25		
Maintenance Screen .....	27		
Commission/Recommission .....	31		
Reports Screen .....	35		
300-Point Inspection .....	38		
Maintenance Report .....	38		

©2024 Daikin Applied, Minneapolis, MN. All rights reserved throughout the world. This document contains the most current product information as of this printing. Daikin Applied Americas Inc. has the right to change the information, design, and construction of the product represented within the document without prior notice. For the most up-to-date product information, please go to [www.DaikinApplied.com](http://www.DaikinApplied.com).

™@ MicroTech, SiteLine, and Daikin Applied are trademarks or registered trademarks of Daikin Applied Americas Inc. The following are trademarks or registered trademarks of their respective companies: BACnet from American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.; Echelon, LonWorks, LonMark, and LonTalk from Echelon Corporation; Modbus from Schneider Electric; and Word and Windows from Microsoft Corporation.

## Safety Information

This manual provides installation, operation, and maintenance information for Daikin Applied SiteLine Building Controls used with MicroTech, MicroTech II, MicroTech III, MicroTech 4, and MicroTech E controllers.

**NOTE:** Installation and maintenance are to be performed only by licensed, if required by local codes and regulations, or qualified personnel who are familiar with local codes and regulations and are experienced with this type of equipment.

### **DANGER**

**LOCKOUT/TAGOUT** all power sources prior to service, pressurizing, depressurizing, or powering down the unit. Failure to follow this warning exactly can result in serious injury or death. Disconnect electrical power before servicing the equipment. More than one disconnect may be required to deenergize the unit. Be sure to read and understand the installation, operation, and service instructions within this manual.

### **WARNING**

Electric shock hazard. Improper handling of this equipment can cause personal injury or equipment damage. This equipment must be properly grounded. Connections to and service of the MicroTech control panel must be performed only by personnel that are knowledgeable in the operation of the equipment being controlled.

### **CAUTION**

Static sensitive components. A static discharge while handling electronic circuit boards can cause damage to the components. Discharge any static electrical charge by touching the bare metal inside the control panel before performing any service work. Never unplug any cables, circuit board terminal blocks, or power plugs while power is applied to the panel.

### **NOTICE**

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with this instruction manual, may cause interference to radio communications. It has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his or her own expense. Daikin disclaims any liability resulting from any interference or for the correction thereof.

## Hazard Identification

The following symbols and labels are used throughout this manual to indicate immediate or potential hazards. It is the owner and installer's responsibility to read and comply with all safety information and instructions accompanying these symbols. Failure to heed safety information increases the risk of property damage and/or product damage, serious personal injury or death. Improper installation, operation and maintenance can void the warranty.

### **DANGER**

Danger indicates a hazardous situation, which will result in death or serious injury if not avoided.

### **WARNING**

Warning indicates a potentially hazardous situations, which can result in property damage, personal injury, or death if not avoided.

### **CAUTION**

Caution indicates a potentially hazardous situations, which can result in minor injury or equipment damage if not avoided.

### **NOTICE**

Notice indicates practices not related to physical injury.

**NOTE:** Indicates important details or clarifying statements for information presented.

# Introduction

## Product Description

SiteLine™ by Daikin, consisting of SiteLine for Dedicated Equipment and SiteLine for Pre-Programmed BAS, provides facility and equipment management, monitoring, control, analysis, and decision-making via secure, cloud communications that capture, analyze and deliver equipment information and third party content (i.e. - weather, utility, and CRM data), to a user device (smart phone, tablet, PC, etc.). The cloud connection may use wireless technologies (cellular, Wi-Fi) or a local area network (LAN).

SiteLine consists of two elements: the hardware components necessary to communicate with equipment and deliver data to the cloud, and the Software as a Service (SaaS) subscription necessary for retrieving that information from the cloud. SiteLine for Dedicated Equipment communicates with individual HVAC units directly using on-board communication protocols and SiteLine for Pre-Programmed BAS communicates with multiple HVAC units using BACnet MS/TP.

SiteLine for Dedicated Equipment hardware components consist of the following: one Internet of Things (IoT) Gateway and accompanying Power Supply, one or two Antenna(s), one optional Energy Management Module (EMM) with three accompanying Current Transformers (CT's). SiteLine for Pre-Programmed BAS hardware components consist of the following: one Linux® PC with integrated touch-screen display and accompanying Power Supply.

SiteLine allows the user to view unit statuses, modes, temperatures, pressures and setpoints, and adjust modes, operation and temperature setpoints. Messages and alarms can be viewed, acknowledged and cleared. User accounts are role-based, and user interaction, including setpoint changes and clearing of alarms, is logged for later reporting. System updates can be delivered automatically from the cloud. Built-in trending tools provide easy access to unit performance history. Additionally, SiteLine for Dedicated Equipment can provide the opportunity of real-time power monitoring of individual equipment.

## Revision History

Literature Number	Release Date	Action
OM 1341	May 2022	Initial release
OM 1341-1	February 2024	Addition of Advanced Settings, 300-Point Inspection and Maintenance Reports. Updates to Equipment List.

## Reference Documents

Number	Title	Source
IM 1332	Installation Manual	<a href="http://www.daikinapplied.com">www.daikinapplied.com</a>
OM 1254	Operation Manual	<a href="http://www.daikinapplied.com">www.daikinapplied.com</a>

## Limited Warranty

Consult your local Daikin Representative for warranty details. To find your local Daikin Representative, go to [www.DaikinApplied.com](http://www.DaikinApplied.com).

## Notice

Daikin Applied reserves the right to change any information contained herein without prior notice. The user is responsible for determining whether this product is appropriate for his or her application.

# Overview

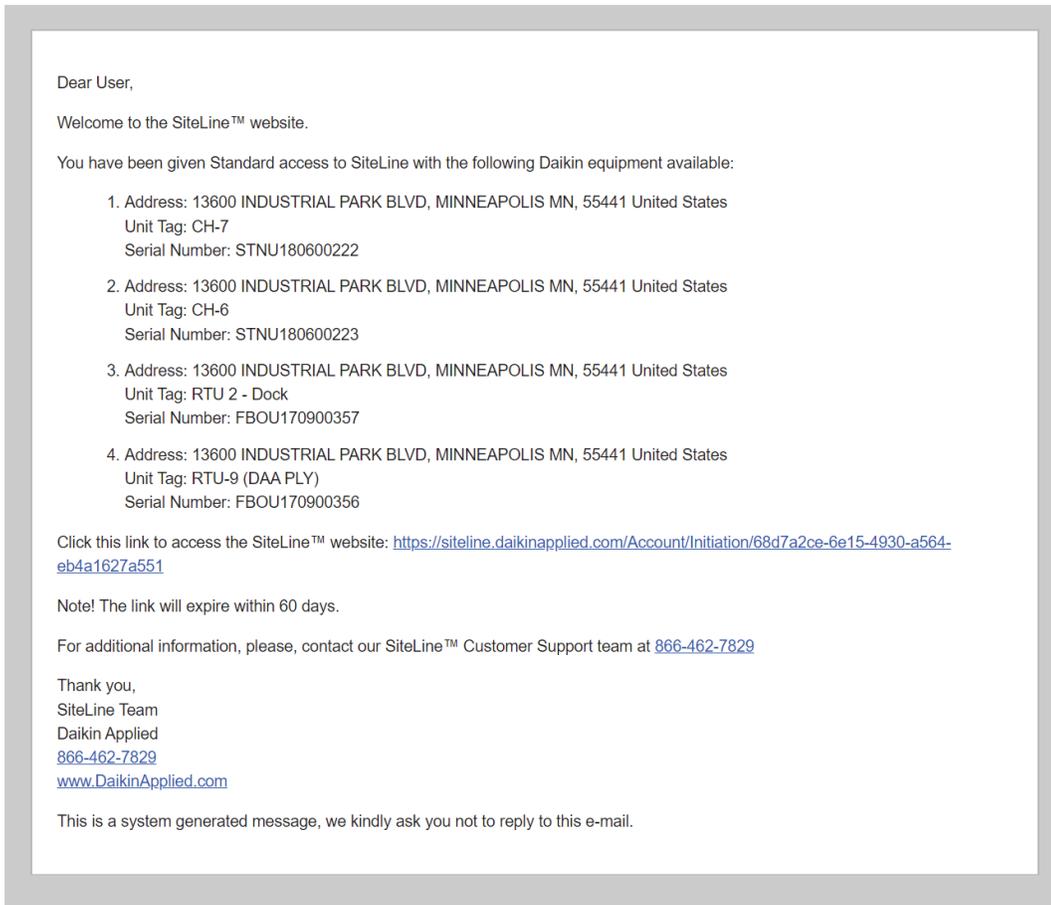
## Initial Login

Users are granted access to units in the SiteLine user interface by Administrators. Administrators are generally assigned at the time of the SiteLine order but can be added at any time by an existing Administrator. Upon initially being given access to one or more pieces of equipment, the user will receive an e-mail directing him or her to login to the system for the first time (Figure 1). Clicking the link in the e-mail notification brings the user to the user license agreement (Figure 2 on page 6). The license agreement acceptance checkbox can only be checked once the entire acceptance agreement has been viewed by scrolling to the bottom of the pop-up message. After doing this, clicking the 'Accept' button prompts the user to create a password (Figure 3 on page 6). The password should be entered, then confirmed. Clicking the 'Save' button sets the new password.

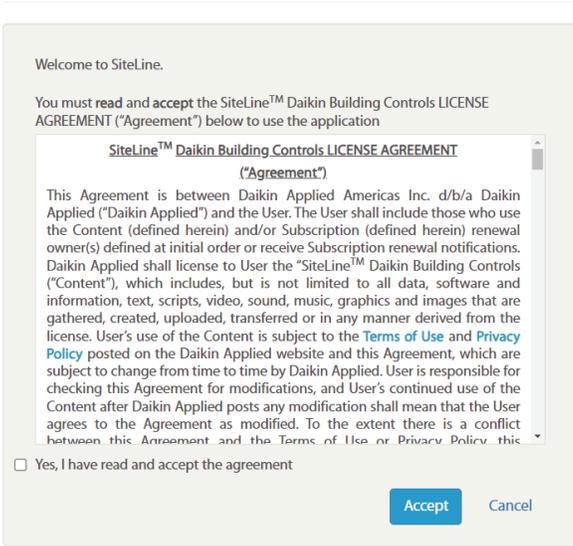
### NOTICE

Internet Explorer is not supported. Please use an alternative browser, such as Chrome™, Safari® or Firefox.

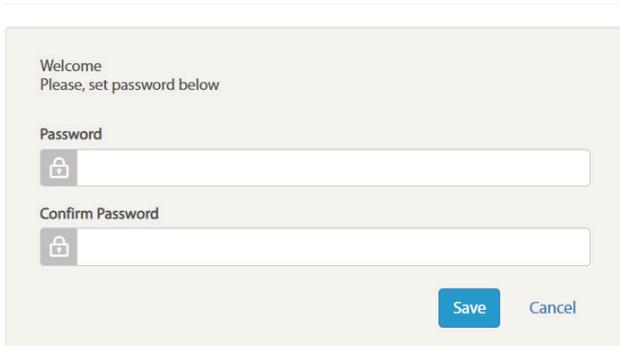
**Figure 1: E-Mail Invitation**



**Figure 2: License Agreement**  
License Agreement



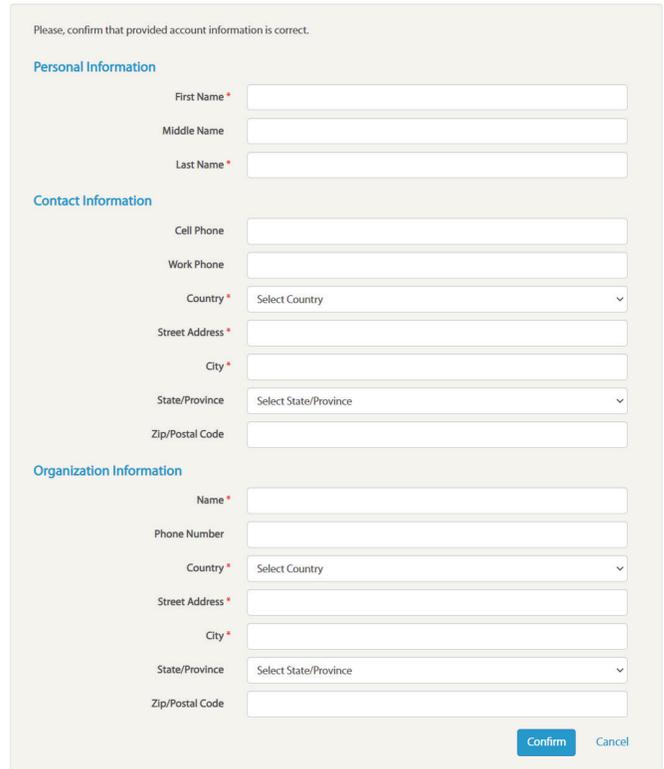
**Figure 3: Setting a Password at Initial Login**  
Set Password



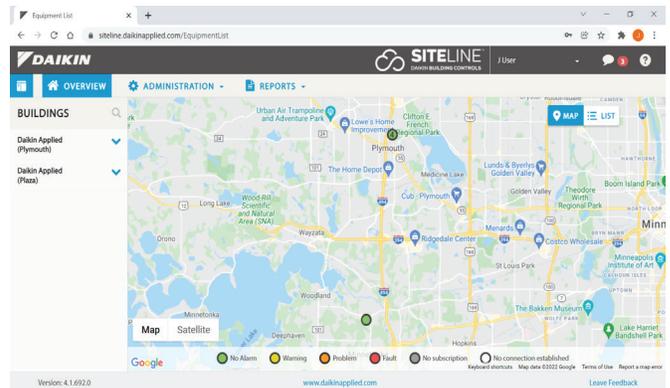
On only the first login to the SiteLine user interface, the user is asked to confirm their Account Information (Figure 4). All information should be verified and modified as necessary. Some fields, noted by a red asterisk, are required, and must have data entered before proceeding. Clicking, 'Confirm', takes the user to the Overview screen (Figure 5).

On subsequent logins, the user should type <https://siteline.daikinapplied.com> into a web browser and press the enter key. After entering login information, the user will be taken directly to the Overview screen.

**Figure 4: Confirm Account Information**  
Account Information



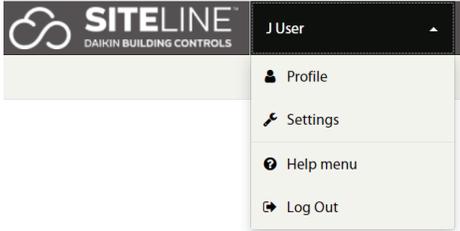
**Figure 5: Overview Screen**



## User Profile Menu

Within the SiteLine user interface, the User Profile menu will always appear in the upper-right corner of the screen. Several items appear in this menu (Figure 6), allowing the user to perform specific tasks. Each of these tasks are described in the subsequent section.

Figure 6: Profile Menu



## Profile

Selecting 'Profile', under the User Profile button, displays Account Information (Figure 7) and allows for changing personal information, address information, organizational information, and passwords. All required parameters are noted with a red asterisk. After making the desired changes, the 'Save' button must be clicked before they take effect. A confirmation message appears at the top of the screen to confirm the saved changes. Clicking the 'Overview' icon or the 'Daikin' logo returns the user to the Overview screen.

Figure 7: Account Information

Account Information

Personal Information   Organization Information   Change Password

**Personal Information**

First Name \* J

Middle Name

Last Name \* User

**Contact Information**

Cell Phone

Work Phone (763) 553-5330

Country \* United States

Street Address \* 13600 Industrial Park Blvd

City \* Minneapolis

State/Province Minnesota

Zip/Postal Code 55441

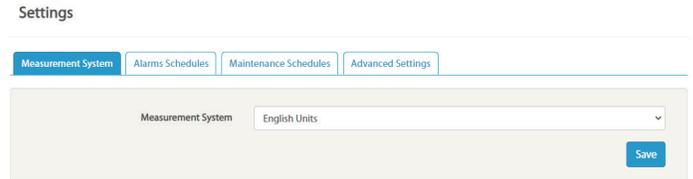
Save Cancel

## Settings

Selecting 'Settings', under the User Profile menu, allows the user to choose units of measure for the display, create and modify alarm schedules, and create and modify maintenance schedules.

On the 'Measurement System' tab (Figure 8), choose English or Metric units of measure for display within the user interface. Changes do not take effect until the "Save" button is clicked.

Figure 8: Measurement System Tab



Selecting the 'Alarm Schedules' tab allows the user to set schedules for alarm notification from units. The user can select the default alarm notification settings or create a new schedule. Once the 'Create New Schedule' button is clicked, the user chooses a name for the schedule, when each category of alarms will be sent, when unacknowledged active alarms will be escalated to all users, and which units will use the new alarm schedule (Figure 9). After entering the desired information, click 'Create'.

**NOTICE**

Notification frequency and escalation settings apply to all units using the alarm schedule and to all users with access to the units using the alarm schedule. If a user wishes to not receive alarm notification e-mails for a specific alarm category within an alarm schedule, selecting the 'Unsubscribe Me' checkbox will disable notifications for that category. Other users will continue to receive notifications for units using the alarm schedule.

Figure 9: Create New Alarm Schedule

Settings

Measurement System   Alarms Schedules   Maintenance Schedules   Advanced Settings

**Create New Schedule**

Name \* West Units

Notify: Warning After 1 Day, Escalate After: Never

Unsubscribe me

Notify: Problem After 1 Day, Escalate After: Never

Unsubscribe me

Notify: Fault Immediately, Escalate After: Never

Unsubscribe me

Notify: Communication error to unit controller Immediately, Escalate After: Never

Unsubscribe me

Notify: Gateway communication failure Immediately, Escalate After: Never

Unsubscribe me

Applied to Units

Start Typing Unit Tag or Serial Number

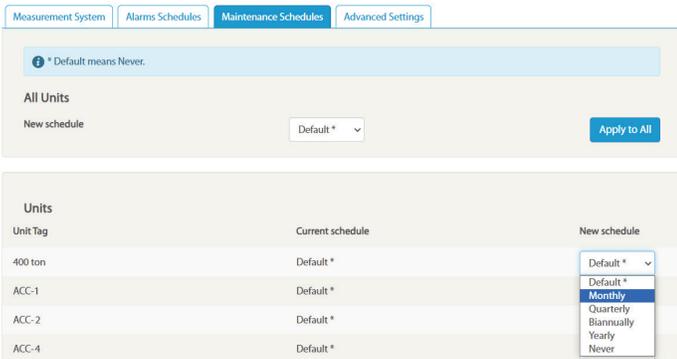
Create Cancel

Selecting the 'Maintenance Schedules' tab allows the user to select the maintenance notification schedule to apply to their units (Figure 10). Maintenance notifications are reminders sent to the user's email. The user can choose to apply the same schedule to all units or apply different schedules. Once the desired settings are made, clicking the 'Save' button applies the changes to the units.

**NOTICE**

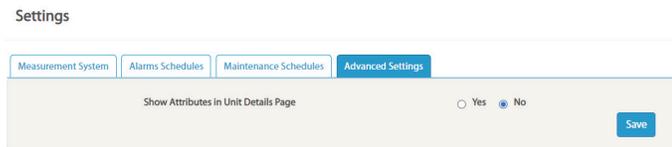
Unlike alarm notification settings, maintenance notification settings are distinct for each user.

**Figure 10: Maintenance Schedules**



Selecting the 'Advanced Settings' tab (Figure 11) allows the user to enable settings that are used for troubleshooting by the Controls Technical Response Center (TRC). Currently, the only setting is to show attributes on the unit details page for equipment. It is recommended to leave any settings at the default values, unless directed by the Controls TRC.

**Figure 11: Advanced Settings**



## Help Menu

Selecting 'Help Menu', under the User Profile menu, provides the user access to several SiteLine instructional documents, videos and release notes (Figure 12). These same materials can also be accessed by clicking the Help icon (Figure 13) in the upper-right corner of the SiteLine user interface.

**Figure 12: SiteLine Help Tabs**



### Help Videos

To see help videos, please click the link below:  
<https://daikinapplied.wistia.com/projects/35wjy99u0f>

**Figure 13: Help Icon**



## Log Out

Selecting 'Log Out', under the User Profile menu, logs the user out of the current session and returns to the SiteLine login page.

# System Messages

Clicking the 'Messages' button lists the most recent messages and alarms for all units to which the user is assigned (Figure 14). The button itself indicates the number of unread user messages. The user is provided the option to click a link to view the target unit. Additionally, clicking the 'My Messages' link at the top of the message list opens the Messages screen, which displays a comprehensive list of all user messages (Figure 15). By default, the list is sorted in time order, with the most recent message at the top of the list. Clicking the category header will resort the list based on that category. Clicking the message 'Type' field opens the message in a separate pop-up window (Figure 16). Closing the pop-up message automatically marks the message as read within the message list. Clicking the 'Overview' icon or the 'Daikin' logo returns the user to the Overview screen.

Figure 14: Messages

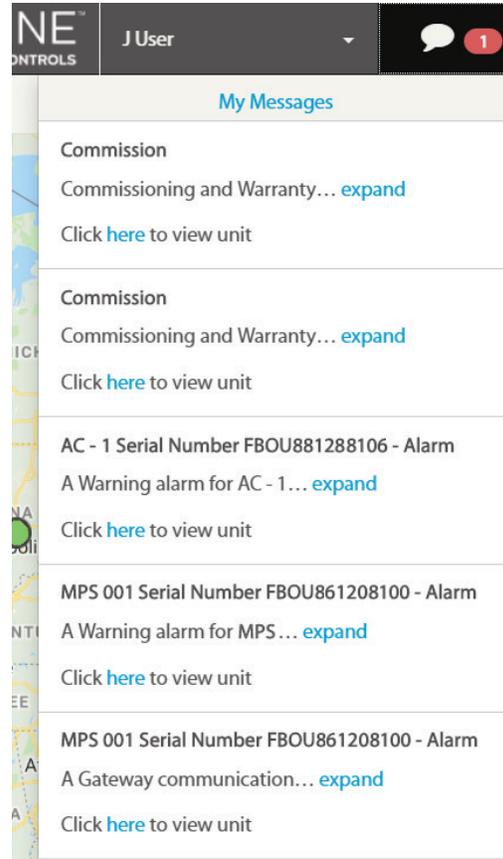
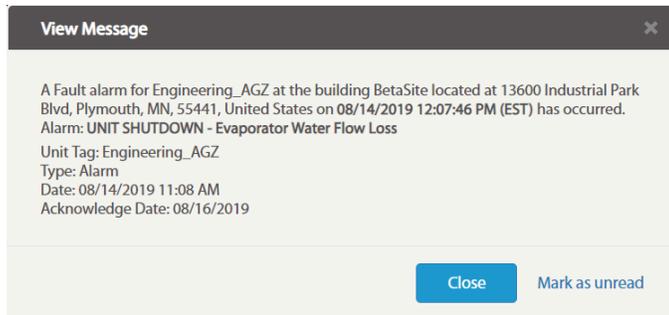


Figure 15: Message List

Mark All as Read

	Unit Tag	Type	Date/Time	Message	Acknowledge Date
	Engineering_AGZ	Alarm	08/14/2019 11:08 AM	A Fault alarm for Engineering_AGZ at the building BetaSite located at 13600 Industrial Park Blvd, Plymouth, MN, 55441, United States on 08/14/2019 12:07:46 PM (EST) has occurred. Alarm: UNIT SHUTDOWN - Evaporator Water Flow Loss	08/16/2019
	Main Office_AWV	Alarm	08/13/2019 06:53 PM	A Fault alarm for Main Office_AWV at the building BetaSite located at 13600 Industrial Park Blvd, Plymouth, MN, 55441, United States on 08/13/2019 06:52:27 PM (CST) has occurred. Alarm: COMP SHUTDOWN - Oil Feed Pressure Sensor Fault Circuit #1, Comp #1	08/16/2019
	RTU-1	Alarm	08/10/2019 08:59 AM	A Fault alarm for RTU-1 at the building BetaSite located at 13600 Industrial Park Blvd, Plymouth, MN, 55441, United States on 08/10/2019 08:59:30 AM (CST) has occurred. Alarm: Low Discharge Air Temp	08/13/2019
	RTU-2	Alarm	08/07/2019 11:37 PM	A Warning alarm for RTU-2 at the building BetaSite located at 13600 Industrial Park Blvd, Plymouth, MN, 55441, United States on 08/06/2019 10:48:17 PM (CST) has occurred. Alarm: Dirty Filter	08/13/2019
	RTU-1	Alarm	08/02/2019 01:43 PM	A Problem alarm for RTU-1 at the building BetaSite located at 13600 Industrial Park Blvd, Plymouth, MN, 55441, United States on 08/02/2019 01:33:08 PM (CST) has occurred. Alarm: Inverter Compressor Problem	08/02/2019
	RTU-1	Alarm	08/02/2019 01:34 PM	A Problem alarm for RTU-1 at the building BetaSite located at 13600 Industrial Park Blvd, Plymouth, MN, 55441, United States on 08/02/2019 01:33:08 PM (CST) has occurred. Alarm: Inverter Compressor Problem	08/02/2019
	Main Office_AWV	Alarm	08/02/2019 04:43 AM	A Fault alarm for Main Office_AWV at the building BetaSite located at 13600 Industrial Park Blvd, Plymouth, MN, 55441, United States on 08/02/2019 04:26:23 AM (CST) has occurred. Alarm: SHUTDOWN - Evaporator Pressure Low Circuit #2, Comp #1	08/02/2019
	Main Office_AWV	Alarm	08/02/2019 04:26 AM	A Fault alarm for Main Office_AWV at the building BetaSite located at 13600 Industrial Park Blvd, Plymouth, MN, 55441, United States on 08/02/2019 04:26:23 AM (CST) has occurred. Alarm: SHUTDOWN - Evaporator Pressure Low Circuit #2, Comp #1	08/02/2019
	Engineering_AGZ	Alarm	07/30/2019 11:08 AM	A Fault alarm for Engineering_AGZ at the building BetaSite located at 13600 Industrial Park Blvd, Plymouth, MN, 55441, United States on 07/30/2019 12:07:46 PM (EST) has occurred. Alarm: UNIT SHUTDOWN - Evaporator Water Flow Loss	08/02/2019
	Main Office_AWV	Alarm	07/29/2019 06:53 PM	A Fault alarm for Main Office_AWV at the building BetaSite located at 13600 Industrial Park Blvd, Plymouth, MN, 55441, United States on 07/29/2019 06:52:27 PM (CST) has occurred. Alarm: COMP SHUTDOWN - Oil Feed Pressure Sensor Fault Circuit #1, Comp #1	08/02/2019

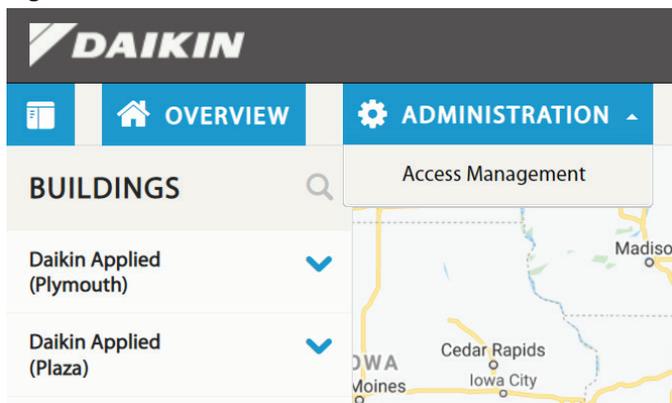
Page 1 of 17

**Figure 16: View Messages**

## Administration Menu

The 'Administration' menu (Figure 17), which appears to the right of the Overview icon, allows the user to customize the display for a unit and to provide other users with access to units. There are two types of user roles defined within SiteLine:

- **Standard** – allows access to equipment and buildings without the ability to invite new users, manage other users' access to equipment, or view building reports.
- **Administrator (Admin)** – allows has Standard level access plus the ability to create new users, assign users to equipment, and view building and operational settings change reports.

**Figure 17: Administration Menu**

## Access Management Menu

Selecting the 'Access Management' menu item from the 'Administration' menu allows the user to provide other users with access to units. This section also contains the functionality to edit unit tags. Only users with Admin access have the 'Access Management' menu available.

### Assigning Users

Clicking the 'Access Management' menu opens the Access Management screen, which lists all units to which the current user has access (Figure 18). To provide a user access to a specific unit from this list, click the 'Invite User' button. This displays the 'Invite User' screen, which prompts the administrator to enter an e-mail address for the new user (Figure 19). After entering the e-mail address, clicking the search button to the right of the field begins a search for the user within the database. If the user does not exist in the database, a prompt appears asking to add the new user and decide the user's access level within SiteLine (Figure 20), Standard or Admin.

Figure 18: Access Management Menu

#### Access Management

	Unit Tag	Serial Number	Building Name	Building Address
→	Center East, M17	FBOU860600823	Fbo Addition Rebel	300 24TH ST NW, FARIBAULT, MN, 55021, United States
→	DH005	FBOU710501237	Fbo Addition Rebel	300 24TH ST NW, FARIBAULT, MN, 55021, United States
→	DH007	FBOU510501242	Fbo Addition Rebel	300 24TH ST NW, FARIBAULT, MN, 55021, United States
→	North East, M19	FBOU860600833	Fbo Addition Rebel	300 24TH ST NW, FARIBAULT, MN, 55021, United States
→	West, M18	FBOU760600802	Fbo Addition Rebel	300 24TH ST NW, FARIBAULT, MN, 55021, United States

Page 1 of 1 10

Invite User

Figure 19: New User Email

#### Invite User

john.doe@daikinapplied.com

Cancel

Figure 20: User Access Level

**Create New User** ✕

User with john.doe@daikinapplied.com email isn't found. Would you like to create a user and continue assigning assets to them?

Select Access Level \*

Standard  
 Admin

**i** Standard Access - Access to assigned assets (Buildings, Units) without capabilities to invite new users, assign assets and view building reports

On the Assign user screen (Figure 21), the selected user is shown, along with the user’s level of access. For Standard users, the user’s access to writable points must first be chosen. Access to writable points is defined as follows:

- Setpoint – User will be able to edit only Setpoint Attributes
- Configuration – User can edit only Configuration Attributes
- Both – User can edit both Configuration and Setpoint Attributes
- None – User has only read access to Configuration and Setpoint Attributes

For reference, a typical example of a Setpoint Attribute is Leaving Evaporator Water Setpoint on a chiller and a typical example of a Configuration Attribute is the Low OAT Lockout parameter on a chiller.

Next, the desired units must be chosen by clicking the check box to the left of the unit tag. Temporary unit access can be provided by clicking the ‘Temporary’ checkbox for the unit, then entering start and end dates. The user’s unit access will expire automatically following the end date.

Once all units have been selected, clicking the ‘Submit’ button finalizes the process. A confirmation message appears at the top of the screen and the user will receive an email notification of the newly granted access.

Figure 21: Assign User Screen

Assign User

User, J - Daikin Applied  
 john.doe@daikinapplied.com

Standard

Q

Access to Writable Points Setpoint ▼

Access to Units

User Assigned	Temporary*	Start Date	End Date	Unit Tag ↕	Serial Number	Building Name	Building Address
<input type="checkbox"/>	<input type="checkbox"/>			Center East, M17	FBOU860600823	Fbo Addition Rebel	300 24TH ST NW, FARIBAULT, MN, 55021, United States
<input type="checkbox"/>	<input type="checkbox"/>			DH005	FBOU710501237	Fbo Addition Rebel	300 24TH ST NW, FARIBAULT, MN, 55021, United States
<input type="checkbox"/>	<input type="checkbox"/>			DH007	FBOU510501242	Fbo Addition Rebel	300 24TH ST NW, FARIBAULT, MN, 55021, United States
<input type="checkbox"/>	<input type="checkbox"/>			North East, M19	FBOU860600883	Fbo Addition Rebel	300 24TH ST NW, FARIBAULT, MN, 55021, United States
<input type="checkbox"/>	<input type="checkbox"/>			West, M18	FBOU760600802	Fbo Addition Rebel	300 24TH ST NW, FARIBAULT, MN, 55021, United States

Page 1 of 1

### Edit Unit Tags

The default unit tags displayed in the SiteLine UI were defined at the time of initial order. However, the unit tags can be customized by a user with Admin access. Click the 'Access Management' menu to open the Access Management screen, which lists all units available to the use. Click somewhere on the row of the unit requiring a Unit Tag name change (**do not click on the Unit Tag link or Unit Address link**). The row will highlight blue, and an 'Edit Unit' button will display below the unit list (Figure 22). Click the 'Edit Unit' button to display the Edit Unit Tag dialog box. In the 'Current Unit Tag' field, change the name, then click the 'Update' button (Figure 23). The equipment will now use the new unit tag name (Figure 24). To revert to the default Unit Tag name, open the Edit Unit Tag dialog box, then click on the 'Set as Current' text and click Update.

Figure 22: Unit List Editing

Access Management

Unit Tag	Serial Number	Building Name	Building Address
→ CH-6.3	STNU211000148	Daikin Applied (Plymouth)	13600 INDUSTRIAL PARK BLVD, MINNEAPOLIS, MN, 55441, United States
→ CHILLER NO.1	STNU211160076	Daikin Applied Faribault North Facility	15620 Acorn Trail, Faribault, 55021, United States
→ IE Retrofit Kit DPSA 4	Y119H6A0020	Daikin Applied Faribault North Facility	15620 Acorn Trail, Faribault, 55021, United States

Page 1 of 1 100

Invite User Edit Unit

Figure 23: Unit Tag Updating

**Edit Unit Tag** [X]

Current Unit Tag:

Original Unit Tag:

[Set as Current](#)

Figure 24: Unit Tag Updated

Access Management

Unit Tag	Serial Number	Building Name	Building Address
→ Chiller 6.3	STNU211000148	Daikin Applied (Plymouth)	13600 INDUSTRIAL PARK BLVD, MINNEAPOLIS, MN, 55441, United States
→ CHILLER NO.1	STNU211160076	Daikin Applied Faribault North Facility	15620 Acorn Trail, Faribault, 55021, United States
→ IE Retrofit Kit DPSA 4	Y119H6A0020	Daikin Applied Faribault North Facility	15620 Acorn Trail, Faribault, 55021, United States

Page 1 of 1 100

Invite User

## Reports Menu

Selecting 'Operational Activity and Settings Change' from the 'Reports' menu opens the Operational Activity and Settings Change Report screen (Figure 25). From this screen, the user can filter the display by user name, unit, action (such as login, setpoint changes, etc.), and building. "No filter" means no condition is selected. If the user wishes to see all results for a category, "All" needs to be selected.

The user can also filter by a specific date range, using the 'Time Period' configuration box. Once all filters are applied, clicking the 'Export' button generates the report in Comma-Separated Values (.csv) format.

**Figure 25: Operational Activity and Settings Change Report Screen**

### Operational Activity and Settings Change Report

The screenshot displays the 'Operational Activity and Settings Change Report' interface. At the top, there are four filter dropdown menus: 'User' (All), 'Action' (All), 'Unit' (All), and 'Building' (No filter). To the right is a 'Time Period' selector set to 'Jan 1, 2022 - Jan 7, 2022'. Below the filters are a refresh icon and an 'Export' button. The main data is presented in a table with the following structure:

Date/Time	User Name	Unit Tag	Serial Number	Building	Building Address	Action
1/7/2022 2:57 PM	User, J					Portal Login as Daikin User
1/7/2022 12:17 PM	User, J					Portal Login as Daikin User

At the bottom right, a pagination bar indicates 'Page 1 of 1' with navigation arrows and a dropdown menu for page size.

# Overview Screen

## Map View

After logging into the SiteLine website, the user interface will initially display the Overview screen (Figure 26), which is a listing of all buildings having units associated with the user. By default, a Map View is displayed, showing the physical location of all user-associated buildings (Figure 27). Each dot indicates a building and the status of the equipment in the building. If the user has access to more than one building within a general area, the dot may contain a number representing the total of user-assigned buildings for that area (Figure 28). A key of the statuses is displayed at the bottom of the map (Figure 29). A green dot indicates no units in the building(s) have alarms. A yellow dot indicates that one or more units in the building(s) have warning alarms. An orange dot indicates that one or more units in the in the building(s) have problem alarms. A red dot indicates that one or more units in the in the building(s) have fault alarms. A gray dot indicates that one or more units in the in the building(s) have an inactive subscription (for example, due to an expiration).

Placing the cursor over an individual dot on the map will display a pop-up with information for the building and status for the units associated to the building (Figure 30).

**NOTICE**

The informational pop-up will only display if the zoom is set at a level capable of distinguishing between multiple user-associated buildings. Clicking a unit's tag name in this pop-up will open the 'Unit Dashboard' for the unit, while clicking the building name will open the 'Building Dashboard'. Both dashboards are described in subsequent sections of this document. From any screen within the SiteLine user interface, clicking the 'Overview' icon or the 'Daikin' logo returns the user to the Overview screen.

By default, the map is scaled to display the dots for all user-associated buildings. Thus, the initial map scaling will vary between users depending on the number and location of their respective buildings. To navigate to a specific location on the map using a pc, click and hold on the map and drag it to the desired location. To zoom into a specific location on the map using a pc, double-click the desired location until the zoom reaches the desired scaling. To reset the zoom to full size, click the 'Overview' button or Daikin logo in the upper-left corner of the browser window (Figure 31).

Figure 26: Overview Screen

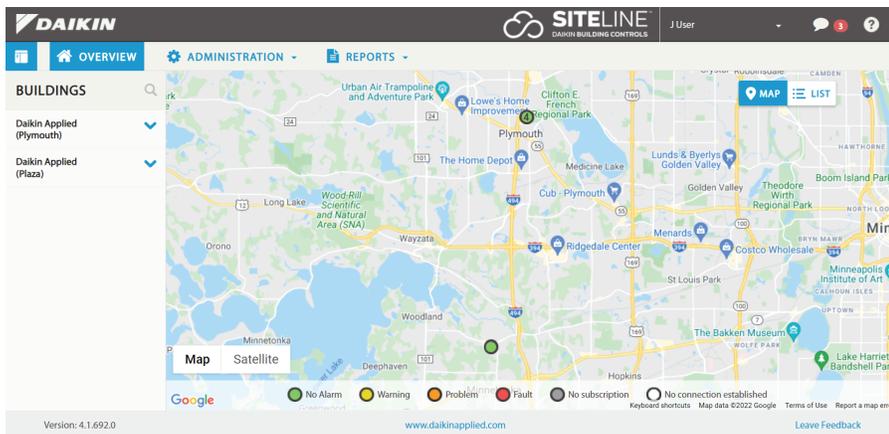


Figure 27: User-Associated Buildings



Alternatively, the scroll-wheel of the pc's mouse, if available, can also be used to zoom in and out within the map. To navigate to a specific location on a mobile device or touchscreen, place two fingers on the screen and drag them to the desired location (Figure 32). To zoom to a specific location on a mobile device or touchscreen, place two fingers on the screen near the desired location and spread the fingers apart to zoom in on the map or pull them together to zoom out on the map.

Figure 28: User-Assigned Building in an Area

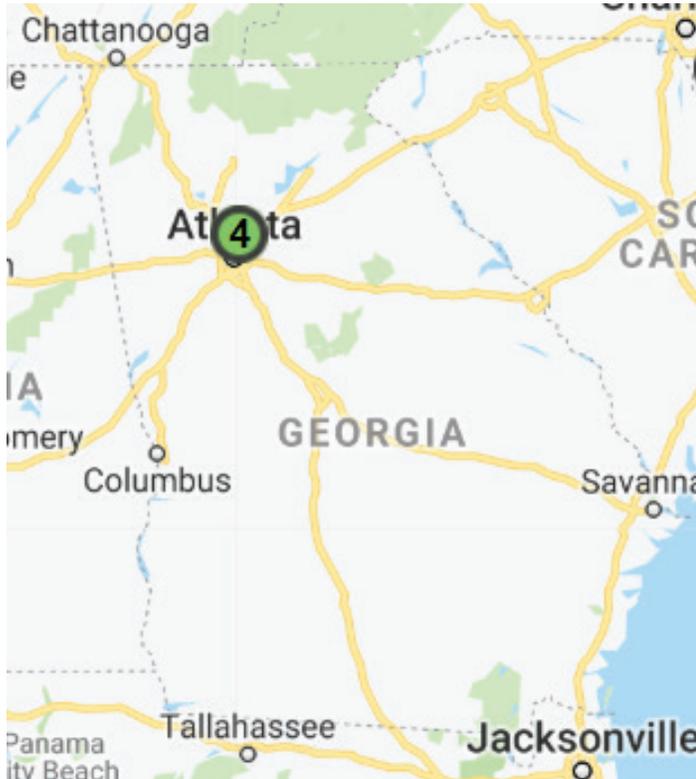


Figure 29: Key Status Data



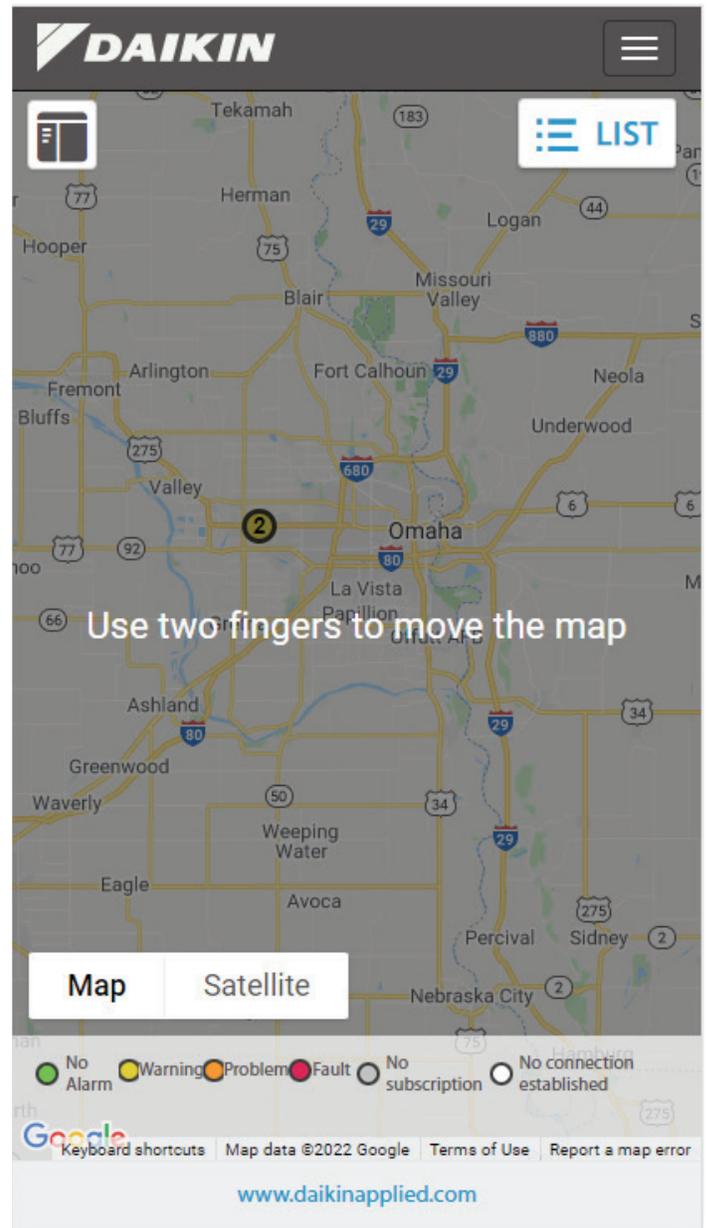
Figure 30: Unit Status for Assigned Building



Figure 31: Overview Icon



Figure 32: Touch Screen Navigation



# List View

By clicking the 'List' button in the upper-right corner of the map (Figure 33), the Overview screen can also be displayed in List View (Figure 34), which shows all user-assigned units in a list format. Tools for searching the equipment list are available including a keyword Search field, a filter by Unit Commission Status and a filter by Unit Subscription Status.

In this view, units are grouped by type and identified by unit tag and building. In addition, several key operational indicators are displayed for each unit. Each equipment group can be sorted by the following column headers: Alarm Level, Unit Tag (default), and Building Name. Clicking the column header performs the sort in ascending order, while clicking the column header a second time performs the sort in descending order. Clicking the arrow to the left of each equipment group will either expand or collapse the equipment group. Placing the cursor over the alarm icon to the left of the unit tag will display a message regarding any current alarms (Figure 35).

**NOTICE**

Units integrated through SiteLine for Dedicated Equipment will use the unit's factory serial number, beginning with STNU for chillers or FBOU for rooftop units. Units integrated through SiteLine for Pre-Programmed BAS will have serial numbers beginning with SOLU.

Clicking a unit's tag name will open the Unit Dashboard for the unit, while clicking the building name will open the Building Dashboard. Both dashboards are described in subsequent sections of this document. Any units with expired subscriptions are displayed in red with a message indicating the subscription is inactive (Figure 36). No operational data is displayed for units with expired subscriptions. The user can return to Map View by clicking the 'Map' button.

If any units associated with the user have expired subscriptions, a message appears above the equipment list (Figure 37). Clicking the 'X' within the message closes the message until the next time the user logs into the user interface. Clicking the 'Show Details' link within the message expands the message to show a list of all units with expired subscriptions, along with a contact phone number for technical support. Clicking the 'Renewal Request' link opens the 'Request Subscription Renewal' message window (Figure 38). The user selects the units to renew, enters a contact email, contact phone, and any desired comments.

Clicking the 'Send' button within the message window directs a message to the SiteLine support team. The user will subsequently be contacted with instructions for subscription renewal. Clicking the 'Cancel' button closes the message window without sending a renewal request.

If any units associated with the user have impending subscription expirations (within 90 days), a message appears above the equipment list (Figure 39). Clicking the 'X' within the message closes the message until the next time the user logs into the user interface. Clicking the 'Show Details' link within the message expands the message to show a list of all units with an impending subscription expiration, along with a contact phone number for technical support. Clicking the 'Renewal Request' link opens the 'Request Subscription Renewal' message window (Figure 40). The user selects the units to renew, enters a contact email, contact phone, and any desired comments. Clicking the 'Send' button within the message window directs a message to the SiteLine support team. The user will subsequently be contacted with instructions for subscription renewal. Clicking the 'Cancel' button closes the message window without sending a renewal request.

Figure 33: List View Button

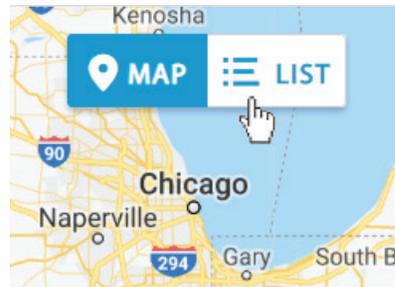


Figure 34: List View

Equipment List MAP LIST

Search  Unit Commission Status: All Unit Subscription Status: All

Air Cooled Chiller							
Alarm Level	Unit Tag	Building	Active Setpoint Temp	Evaporator Leaving Water Temp	Evaporator Entering Water Temp	Chiller Status	
●	ACC-1	Dakin Applied	45.0 °F	45.3 °F	49.2 °F	Run	
●	ACC-2	Dakin Applied	44.0 °F	46.1 °F	50.8 °F	Off	
Air Handling Unit							
Alarm Level	Unit Tag	Building	Discharge Air Temp	Occupancy	Occupied Heating Setpoint	Control Temp	Occupied Cooling Setpoint
●	RTU-1	Dakin Applied	75.4 °F	Occ	72.0 °F	73.1 °F	72.0 °F
●	RTU-2	Dakin Applied	66.7 °F	Occ	69.0 °F	69.7 °F	71.0 °F
Water Cooled Chiller							
Alarm Level	Unit Tag	Building	Evaporator Leaving Water Temp	Evaporator Entering Water Temp	Unit State		
●	CH-3	Dakin Applied	70.7 °F	71.2 °F	Off		
	CH-4	Dakin Applied			Subscription is inactive.		

Figure 35: Current Alarms

The screenshot shows a 'Unit Tag' header. Below it, two unit tags are visible: 'CH-1' and 'CH-2 001'. A tooltip is displayed over the 'CH-1' tag, containing the text: 'No Alarm' and 'Alarm Cleared / No Active Alarms'.

Figure 36: Subscription Status

Unit Tag	Building	Active Setpoint Temp	Evaporator Entering Water Temp	Evaporator Leaving Water Temp	Chiller Status	Device Status
CH-7	Daikin Applied (Plymouth)					Subscription is inactive.

Figure 37: Subscription Expired Prompt

The banner features a red prohibition sign on the left. To its right, the text reads: 'Subscription has expired' followed by a link '... show details'. On the far right, there is a 'Renewal Request' button with a close icon.

Figure 38: Renewal Request

**Request Subscription Renewal** ✕

Please, select subscriptions to request renewal for buildings: Expiration Date:

13600 INDUSTRIAL PARK BLVD 12/07/2021 ▼

Contact Email:

Contact Phone:

Comment:

Figure 39: Subscription Near Expiration Warning

The banner features a yellow warning triangle on the left. To its right, the text reads: 'Subscription is about to expire' followed by a link '... show details'. On the far right, there is a 'Renewal Request' button with a close icon.

Figure 40: Request Subscription Renewal

**Request Subscription Renewal** ✕

Please, select units to request subscription renewal: Expiration Date:

North East, M16 02/06/2020  
FBOU160688803, M16 N.E. Fairbault Factory

West, M18 02/06/2020  
FBOU160688802, M18 West Fairbault Factory

Contact Email:

Contact Phone:

Comment:

## Buildings List

By default, the user interface displays a 'Buildings List' to the left side of the Overview screen (Figure 41). This is a listing of all buildings having units associated with the user. Unlike the List View, the Buildings List has all available units grouped by building name. Clicking the arrow to the right of the building name expands the list to display all units (Figure 42), while clicking it a second time collapses the list (Figure 43). Specific buildings and units can be quickly located in the Building List using the search icon in the list header (Figure 44). Clicking the search icon opens a search field. Typing keyword text in the search field limits the list to buildings and units meeting the search parameters (Figure 45). This is especially helpful if the user has access to many buildings and units. Clicking the 'X' to the left of the search field closes the search function. Clicking a unit's tag name in the Buildings List will open the Unit Dashboard for the unit, while clicking the building name will open the Building Dashboard. Both dashboards are described in subsequent sections of this document. From any screen within the SiteLine user interface, clicking the 'Overview' icon or the 'Daikin' logo returns the user to the Overview screen.

If desired, clicking the Buildings List button (Figure 46) in the upper-left corner of the user interface hides the Buildings List (Figure 47). Clicking the button a second time displays the Buildings List.

Figure 41: Overview Screen

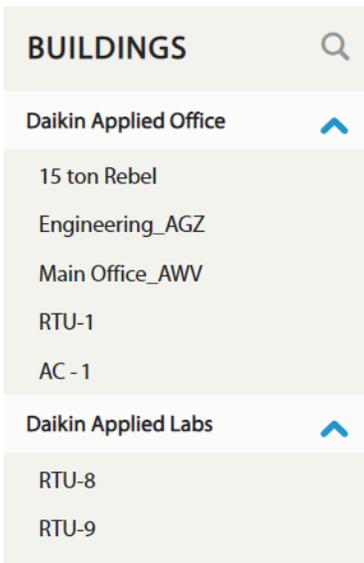


Figure 42: Building Name

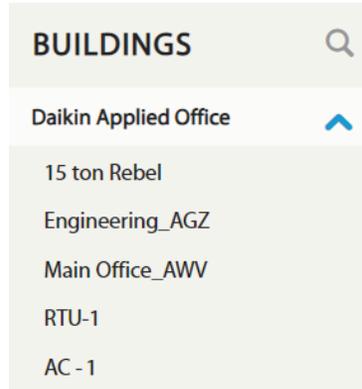


Figure 43: Collapsed Menu



Figure 44: Search Icon



Figure 45: Search Parameters

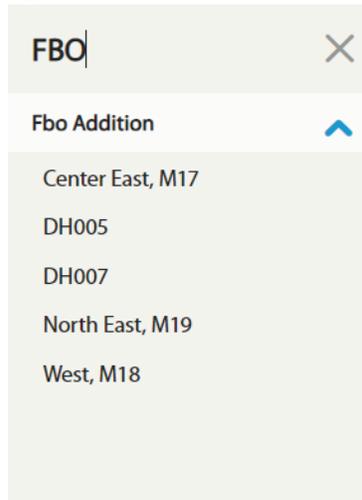
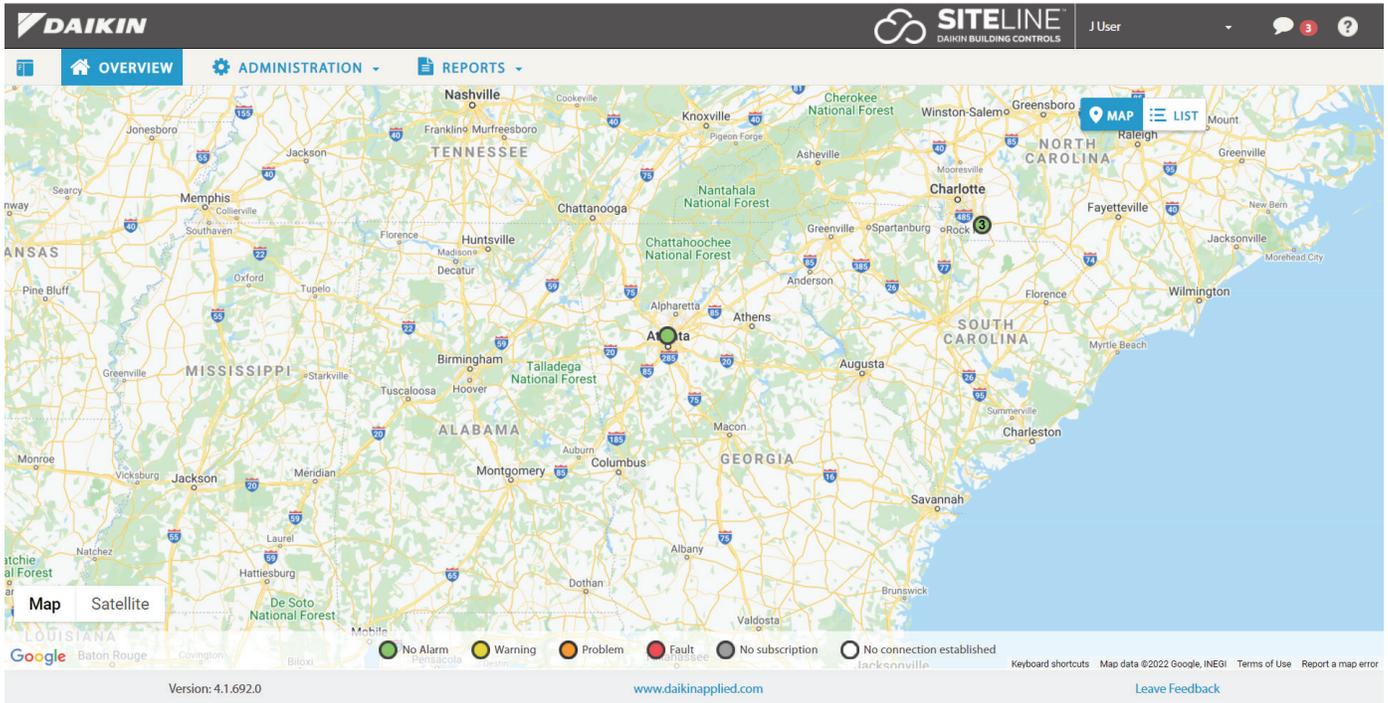


Figure 46: Building List Button



Figure 47: Building List Hidden



# Unit Dashboard

The 'Unit Dashboard' (Figure 48) allows the user to view current unit status, review the unit alarm log, modify unit setpoints and control, and monitor unit live data. The Unit Dashboard is accessed by clicking the unit tag in the Map View, List View or Buildings List. Screen content is driven by button selections on the left of the User Interface (UI). The initial screen provides a comprehensive unit overview, with other buttons allowing the user to choose information specific to the condenser circuits, evaporator, maintenance recommendations, and unit controls. Not all button categories apply to all units.

Figure 48: Unit Dashboard

RTU-2

● Alarm Cleared / No Active Alarms

Alarm Log

Standard Subscription  
expiration date 04/01/2022 is active



Overview



Overview Info



SiteLine Documents



Equipment Documents



Upload Documents

Overview

Air

Refrigeration

Cooling

Heating

Supplemental Heat

Maintenance

Controls

Reports



1. ERW, Economizer, & Filter Access

2. Coil Access Panel

3. Supply Fan & Gas Heat Access

4. Condensate

5. Control Panel

6. Inverter Panel

Past due maintenance

RTU-2 is past due for the Monthly, Quarterly, Annual maintenance.

Overview Live Data

Unit Overview ^

Device State:	Htg
Heating Status:	Enabled
Cooling Status:	OffAmb
Economizer Status:	None
Control Temp:	66.1 °F
Discharge Air Temp:	104.7 °F
Occ Mode:	Occ
Occ Source:	OccMode
Occ Status:	Occ
Return Air Temp:	79.3 °F
Network Demand Shed Event:	Inactive

Power Usage v

Economizer v

Heating v

Cooling v

Refrigeration v

About v

## Alarm Log

The 'Alarm Log' header (Figure 49) lists the highest priority active alarm within each category, Warnings, Problems, and Faults. Warning alarms are displayed with a yellow icon, problem alarms are displayed with an orange icon and faults are displayed with a red icon. If there are no active alarms, the icon will be green. Clicking the 'Alarm Log' button allows the user to review a list of active and recent highest priority unit alarms (Figure 50). Each alarm provides a Date, User Name (if it was acknowledged or cleared), Alarm Type, and Alarm Status. If an alarm is no longer active and has been acknowledged, its status will show as, "Clear". If an alarm is still active, but has been acknowledged, its status should read, "Acknowledged". If an alarm is active and is not cleared by an attempted clear, its status will show as "Clear Attempt". SiteLine does not allow the user to reset all alarms remotely. Critical alarms, defined depending on equipment model, need to be cleared locally on the unit keypad. Clicking the 'Unit Details' link returns the user to the Unit Dashboard.

Figure 49: Alarm Log Header

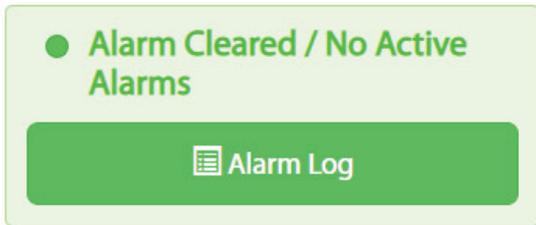


Figure 50: Alarm Log

Current Alarms for RTU-2 [Send Message](#)

● Alarm Cleared / No Active Alarms

Alarm Log (CST) [Export](#)

Show Communication alarms

Time Period: From:  To:

Date/Time	Type	Alarm Description	Status	User	Access Level
6/17/2021 8:57 AM	Unit Fault	Alarm Cleared / No Active Alarms	Resolved	N/A	
6/17/2021 8:56 AM	Unit Fault	Emergency Stop Fault (250)	Alarm	N/A	
5/10/2021 3:53 PM	Unit Warning	Alarm Cleared / No Active Alarms	Resolved	N/A	
5/8/2021 3:11 PM	Unit Warning	Dirty Filter (24)	Alarm	N/A	
11/28/2020 10:12 AM	Unit Problem	Alarm Cleared / No Active Alarms	Resolved	N/A	
11/28/2020 10:00 AM	Unit Problem	Freeze Problem (197)	Alarm	N/A	

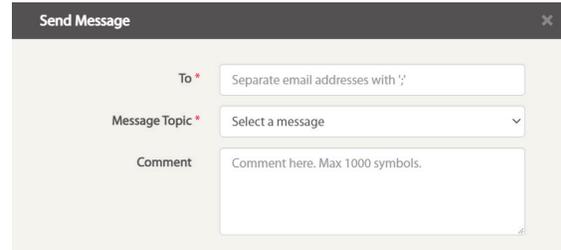
Page 1 of 1 100

Default Schedule [Change](#)

Warning	Problem	Fault	Communication error to unit controller	Gateway communication failure
Notify	Notify	Notify	Notify	Notify
After 1 Day	Immediately	Immediately	Never	After 1 Week
Escalate After	Escalate After	Escalate After	Escalate After	Escalate After
Never	Never	Never	Never	Never

Clicking the 'Acknowledge' button acknowledges whichever alarm is currently selected in the alarm list. Clicking the 'Send Message' button allows the user to send an e-mail notification to one or more e-mail addresses (Figure 51). In addition, clicking the 'Change' button for Alarm Escalation Rules allows the user to select a set of rules described in the "User Profile" section of this document.

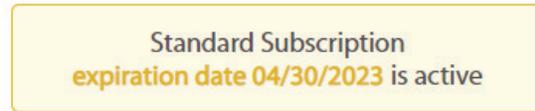
Figure 51: Send Message Dialog Box



## Subscription Status

This section indicates the current subscription status for the unit (Figure 52).

Figure 52: Subscription Status



## Overview Screen

With the 'Overview' button selected, a unit graphic is displayed (Figure 53). Depending on the type of unit selected, the user can monitor a variety of data points, such as statuses, temperatures, pressures, capacities, and power. Additionally, the data available to the UI varies depending on whether the unit is connected to the cloud using SiteLine for Dedicated Equipment or SiteLine for Pre-Programmed BAS. Not all data categories apply to all units.

### NOTICE

The unit graphics are specific to the unit being viewed, so may differ from the images shown in this manual.

Figure 53: Overview Screen

- Overview
- Circuit 1
- Circuit 2
- Evaporator
- Maintenance
- Controls
- Reports

### Overview

Overview Info

SiteLine Documents

Equipment Documents

Upload Documents

**Past due maintenance**

**Chiller 2**  
is past due for the Weekly, Monthly, Annual maintenance.

#### Overview Live Data

Unit Overview ^

Active Setpoint Temp:	40.0 °F
Actual Capacity:	<div style="width: 0%;"></div> 0 %
Capacity Limit Network:	<div style="width: 100%;"></div> 100 %
Capacity Limit:	<div style="width: 100%;"></div> 100 %
Chiller Status:	On
Cool Setpoint Network Temp:	40.0 °F
Demand Limit:	<div style="width: 100%;"></div> 100 %
Evaporator Entering Water Temp:	43.9 °F
Evaporator Leaving Water Temp:	39.8 °F
Ice Setpoint Network Temp:	25.0 °F
Run Enable:	On
Evaporator Delta Temp:	4.1Δ°F

Power Usage ^

About Chiller ^

## Upcoming and Past Due Maintenance

A description of 'Upcoming and Past Due Maintenance' is displayed beneath the unit graphic.

## Overview Info

The 'Overview Info' button is selected by default and displays the unit graphic.

## SiteLine Documents

Clicking the 'SiteLine Documents' button provides a list of manuals for the SiteLine hardware and software, along with hyperlinks to access these documents in the cloud.

## Equipment Documents

Clicking the 'Equipment Documents' button provides a list of manuals specific to the unit model, along with hyperlinks to access those documents in the cloud.

## Upload Documents

Clicking the 'Upload Documents' button allows the user to upload documents, such as image and text files, and save them to the cloud.

## Unit Overview

Clicking the 'Unit Overview' header expands a list of current values for unit data points, such as statuses, temperatures, pressures, and capacities. Clicking the header a second time will collapse the list.

## About Unit

Clicking the 'About Unit' header provides unit-specific information, such as the Unit GO (General Order) Number and Serial Number. Clicking the header a second time will collapse the list.

## Power Usage

Clicking the 'Power Usage' header expands a list of current power-related operating parameters, including Meter Power, and Hourly, Daily and Weekly Power usage. Clicking the header a second time will collapse the list. Power data is not available for all units.

For centrifugal chillers, compressor power data is sent to SiteLine only if available at the local Human Machine Interface (HMI).

## Unit Section Screens

Buttons on the left side of the Unit Dashboard allow the user to access information for specific unit sections, such as the circuits, evaporator, and condenser on chillers, or the fans, refrigeration, cooling and heating sections on rooftop units. Not all button categories apply to all units. With a specific section button

selected (Figure 54, Figure 55, Figure 56 and Figure 57), a unit or section graphic is displayed. For each unit section, the user can monitor a variety of temperatures, pressures, statuses, and other pertinent data.

**Figure 54: Example Circuit Screen (Air-cooled chiller)**

- ⚙️  
Overview
- 💧  
Circuit 1
- 💧  
Circuit 2
- ↕️  
Evaporator
- 🔧  
Maintenance
- ⚙️  
Controls
- 📄  
Reports

### Circuit 1



#### Circuit 1 Live Data

Compressor

Pressures

Circuit 1 Condenser Refrig Pressure:	228.1 psi
Circuit 1 Evaporator Refrig Pressure:	151.9 psi

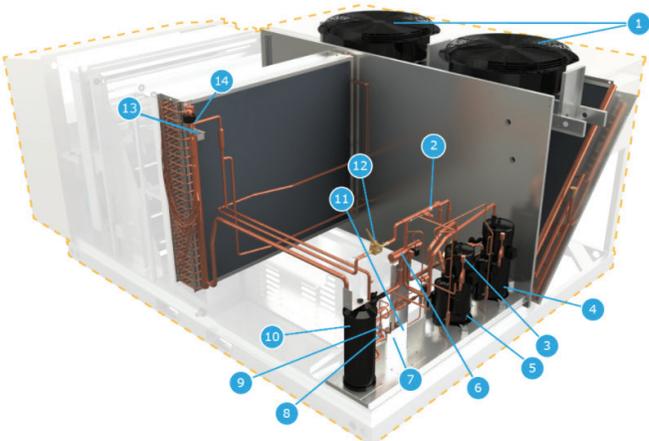
Status

Temperatures

**Figure 55: Example Refrigeration Screen (Rebel Rooftop Unit)**

- ⚙️  
Overview
- 🌀  
Air
- ⚙️  
Refrigeration
- ⚙️  
Cooling
- 🔥  
Heating
- 🔧  
Maintenance
- ⚙️  
Controls
- 📄  
Reports

### Refrigeration



1. Outdoor Fan
2. Check Valve
3. High Pressure Switch
4. Fixed Speed Compressor
5. Variable Speed Compressor
6. 4-Way Valve
7. By-Pass Solenoid Valve
8. Outdoor Refrigerant Temperature Sensor
9. Outdoor Expansion Valve
10. Receiver
11. Receiver Solenoid Valve
12. Modulating Hot Gas Reheat Control Valve
13. Indoor Refrigerant Temperature Sensor
14. Indoor Expansion Valve

#### Refrigeration Live Data

Unit Overview

Dehumid Status:	Inactive
Device State:	Htg
Device Status:	Enable

Sensors Setpoints

Measured Calculated

Operating Hours

Figure 56: Example Overview Screen – Variable Air Volume (VAV) Box

-  Overview
-  Setpoints
-  Damper Control
-  Maintenance
-  Controls
-  Reports

Overview

  
Overview Info

  
SiteLine Documents

  
Upload Documents



Overview Live Data

Device Status ^

Control Temp:	69.8 °F
Control Stpt:	70 °F
HeatCool Mode:	HEAT
Occupancy Mode:	DAY
Air Volume:	2772 cfm
Control Flow Max:	5000 cfm

Sensor Status ^

Figure 57: Example Overview Screen – Water Source Heat Pump (WSHP)

-  Overview
-  Air
-  Refrigeration
-  Heat
-  Maintenance
-  Controls
-  Reports

Overview

  
Overview Info

  
SiteLine Documents

  
Upload Documents



Overview Live Data

Unit Overview ^

Effective Occ:	Occupied
Occ Override:	Occupied
Unit Status:	Cool
Space Temp:	75 °F
Effective SPT:	73 °F
Leaving Water Temp:	75.5 °F
Entering Water Temp:	73.4 °F
Condensate Overflow:	Dry

Cooling v

Heating v

# Maintenance Screen

With the 'Maintenance' button selected, the user can view past due and upcoming maintenance, log maintenance activity, and commission/recommission the unit (Figure 58).

Figure 58: Maintenance Screen

The screenshot displays the Maintenance Screen interface. On the left is a vertical navigation menu with buttons for Overview, Circuit 1, Circuit 2, Evaporator, Maintenance (selected), Controls, and Reports. At the top right are buttons for Maintenance Info, Log Maintenance, and Commission / Recommission. The main content area features two yellow alert boxes for 'Past due maintenance' for Chiller 2, one for weekly and one for monthly maintenance, each with a 'Log Maintenance' button. Below these is the 'Maintenance Information' section, which includes a dropdown menu for 'Weekly' and 'Monthly' (selected), and a list of tasks under 'General', 'Electrical', and 'Refrigeration'. An 'Annual' dropdown and an 'Update Periods' button are at the bottom. On the right, the 'Maintenance Live Data' panel shows a table of unit metrics.

Unit Overview	
Active Setpoint Temp:	43.9 °F
Actual Capacity:	0 %
Capacity Limit Network:	100 %
Capacity Limit:	100 %
Chiller Status:	Off
Cool Setpoint Network Temp:	43.9 °F
Demand Limit:	100 %
Evaporator Entering Water Temp:	69.7 °F
Evaporator Leaving Water Temp:	43.9 °F
Ice Setpoint Network Temp:	25.0 °F
Run Enable:	Off
Evaporator Delta Temp:	25.8 Δ°F

## Maintenance Info

Clicking the 'Maintenance Info' button displays a list of upcoming maintenance and a list of recommended maintenance intervals.

At the bottom of the 'Maintenance Info' screen, there is a button to 'Update Periods'. By default, SiteLine uses the default factory maintenance recommendations for the specific unit type. If the user wishes to do maintenance on a different schedule, the maintenance periods can be modified by clicking the 'Update Periods' button. Once clicked, the user can select which maintenance period to edit, then choose a new maintenance period for each item in that list (Figure 59).

Once changes are made, clicking the 'Submit Changes' button will save and apply them to the unit. From this screen, the user can also choose to add custom items to the maintenance list by clicking the 'Add Custom Items' button. The new item requires a description and type to be entered (Figure 60). If desired, the item can also be grouped by maintenance category. Clicking the 'Submit Changes' button saves the new maintenance item to the list (Figure 61). Event based maintenance items can be set with a custom threshold for specific data points to show maintenance information based on actual operation (Figure 62).

Figure 59: Edit Maintenance Period

The screenshot shows the 'Maintenance Info' interface. At the top, there are navigation buttons: Overview, Maintenance Info (selected), Log Maintenance, and Commission / Recommission. Below these are category buttons: Air, Refrigeration, Cooling, Heating, Maintenance (selected), Controls, and Reports.

The main section is titled 'Customize Maintenance Periods' and includes a list of frequency options:

- Weekly
- Monthly
- Bi-Monthly
- Quarterly
- Twice Yearly
- Annual
- Not Applicable
- Event Based
- As Needed

Below the frequency options is a table with columns for 'Description' and 'Group'. Each row represents a maintenance item with edit and delete icons.

Description	Group	Actions
Inspect Filters	No Group	[Edit] [Delete]
Inspect refrigerant sightglass and inspect for leaks if necessary	No Group	[Edit] [Delete]
Inspect condensate drain pan for residue and clean if necessary	No Group	[Edit] [Delete]
Inspect power and control voltages	No Group	[Edit] [Delete]
Inspect gas furnace	No Group	[Edit] [Delete]
Inspect running amperage of all motors	No Group	[Edit] [Delete]
Change Filter - Dirty Filter	No Group	[Edit] [Delete]

At the bottom, there is an 'Add Custom Items' button with a plus sign, a 'Submit Changes' button, and a 'Cancel' button.

Figure 60: Create Custom Maintenance Item

Add Custom Items +

Description

Type Monthly ▼

Weekly  
Monthly  
Bi-Monthly  
Quarterly  
Twice Yearly  
Annual  
Not Applicable  
Event Based  
As Needed

Group No Group ▼

✕ Remove

Submit Changes
Cancel

Figure 61: New Custom Maintenance Item

### Maintenance Information

Monthly ▲

- Inspect Filters
- Inspect refrigerant sightglass and inspect for leaks if necessary
- Inspect condensate drain pan for residue and clean if necessary
- Inspect power and control voltages
- Inspect gas furnace
- Inspect running amperage of all motors
- Change Filter - Dirty Filter
- Check for excess moisture in unit

Quarterly ▼

Annual ▼

Figure 62: Event Based Maintenance Report

Please Specify

Compressor 1 RunHours

Compressor 2 RunHours  
 Compressor 3 RunHours  
 Compressor 4 RunHours  
 Compressor 5 RunHours  
 Compressor 6 RunHours  
 Discharge Air Temp Cooling Sp  
 Discharge Air Temp Heating Sp  
 Economizer RunHours  
 Entering Fan Leaving Coil Temp  
 Heating RunHours  
 Humidity  
 Mechanical Cooling RunHours  
 Supply Fan RunHours

Compressor 1 RunHours ▼

Type Event Based ▼      Group General ▼

Condition More than ▼      Value 10000 h

✕ Remove

Submit Changes
Cancel

## Log Maintenance

Clicking the 'Log Maintenance' button displays a maintenance log entry form (Figure 63) and a history of logged maintenance. First, the user must choose what type of maintenance to log, Weekly, Monthly, Annual, etc., then select the services that were performed. Additional fields to complete include, Service Date, Contact Number, Comments, and an indication of further service being required. An image file, such as a copy of a service order and picture taken at the field site can also be attached to the log entry. In addition, a notification e-mail message can be sent using the "Send Message" button. The entry is not recorded until the user clicks the 'Submit' button. The current user logged into the system is automatically tagged as having entered the maintenance issue. The history of logged maintenance appears at the bottom of the "Log Maintenance" screen (Figure 64). By default, a snapshot of current device values is saved with the entry. The user can choose not to have this done by clearing the checkbox prior to submitting the log entry.

Figure 63: Logging Maintenance



### Log Maintenance

Fill out the required maintenance log, or view maintenance log history.

Monthly  
 Quarterly  
 Annual  
 Customer Call

**Inspect Filters**

- Inspect refrigerant sightglass and inspect for leaks if necessary  Incomplete  Completed  Ignored
- Inspect condensate drain pan for residue and clean if necessary  Incomplete  Completed  Ignored
- Inspect power and control voltages  Incomplete  Completed  Ignored
- Inspect all temperature and pressure controls. Adjust if necessary  Incomplete  Completed  Ignored
- Inspect gas furnace  Incomplete  Completed  Ignored
- Inspect for proper superheat and subcooling  Incomplete  Completed  Ignored
- Inspect running amperage of all motors  Incomplete  Completed  Ignored
- Inspect all operating temperatures and pressures  Incomplete  Completed  Ignored
- Verify that no moisture is accumulating in the unit  Incomplete  Completed  Ignored
- Clean water rinse for coils  Incomplete  Completed  Ignored
- Change Filter - Dirty Filter  Incomplete  Completed  Ignored

Service Date \*

Employee Contact Number \*

Comments

Service is required?

Take a snapshot of current attribute values?

Upload an Image:

Figure 64: Maintenance Log History

Maintenance Log

Date	Employee Name	Employee Contact Number	Additional Service Required?	Report Type	View Details
01/12/2022	User, J	555-555-5555	No	Maintenance	<a href="#">View Details</a>

Page 1 of 1 100

## Commission/Recommission

Clicking the 'Commission/Recommission' button (Figure 65) allows the user to complete a commissioning process for the equipment. The first time the process is completed, the 'Commissioning Procedure' button will be used to access the procedure. This will typically be done at unit start-up, but may be done later. The 'Recommission' button becomes active only after the commissioning procedure has been initially completed and submitted (Figure 66). Both processes are essentially identical, and follow the commissioning procedure provided in the IOM document for the equipment. By clicking either button, the user is presented with a number of screens containing an electronic commissioning form (Figure 67).

The user should complete the required information on each screen, then click the 'Next' button to switch to the subsequent page of the form. At any point, the user can click the 'Save Progress' button to save and remain in the application, or the 'Save and Close' button to save and return to the unit screen. At the bottom of the last screen of the commissioning form, the user must enter contact information, then click the 'Submit' button to complete the commissioning/recommissioning procedure (Figure 68). The data is then stored in the cloud, and the commissioning report can be viewed or downloaded on the Reports/Service Logs screen.

Figure 65: Non-commissioned Unit

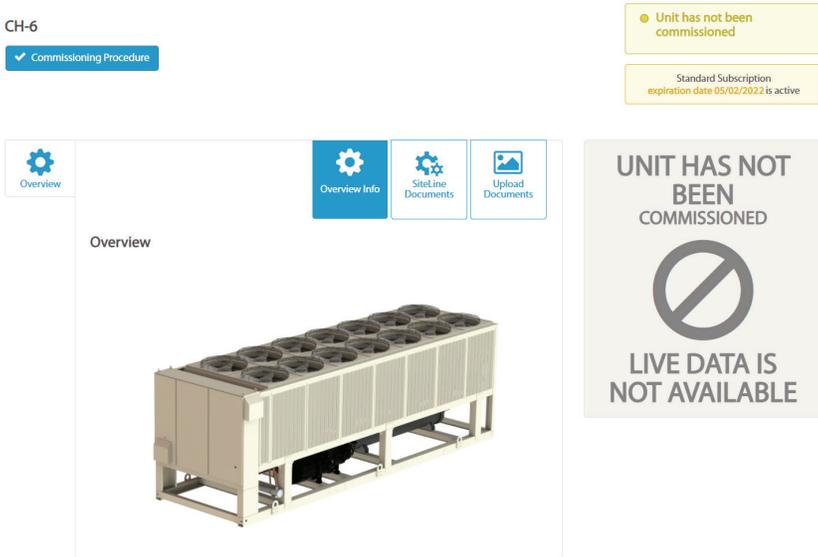


Figure 66: Recommission Button



### Recommissioning Procedure

Selecting the 'Recommission' button will direct you to the recommissioning step by step procedure. Note: Upcoming Maintenance should be completed prior to starting the Recommissioning Process.



### Commission / Recommissioning Log

Date	Employee Name	Employee Contact Number	Additional Service Required?	Report Type	Status	View Details
01/12/2022	User, J	(555) 555-5555	No	Commissioning	Successful	<a href="#">View Details</a>

**Figure 67: Electronic Commissioning Form**  
Commissioning Procedures for CH-6

Before Start-up
Refrigeration System
Design Controls
Start - Up
Non Microtech Readings
Control Setpoints
Heat Recovery
General

Metric Units
English Units
Next >

Commission has been performed outside SiteLine Application

Commission Date

**II. Pre Start-Up Checklist**  
Pre Start-Up Checklist, All NO checks require an explanation under "Description". Please check yes or no.

	YES	NO
A. Is the unit free of visible shipping damage, corrosion or paint problems?	<input type="radio"/>	<input type="radio"/>
B. Is unit installed level?	<input type="radio"/>	<input type="radio"/>
C. Does the unit meet all location, installation and service clearances per IM Bulletin?	<input type="radio"/>	<input type="radio"/>
D. Has thermostat bulb been properly installed in the well?	<input type="radio"/>	<input type="radio"/>
E. Are all set screws on all pulleys, bearings, and fans tight?	<input type="radio"/>	<input type="radio"/>
F. Does electrical service correspond to unit nameplate?	<input type="radio"/>	<input type="radio"/>
Volts <input type="text"/> Hertz <input type="text"/> Phase <input type="text"/>		
G. Has electrical service been checked for proper phasing at each circuit power terminal block?	<input type="radio"/>	<input type="radio"/>

**Figure 68: Commissioning Form Submission**

Performed By:  Title:

Company Name:

Address Line 1:

Country:

State:  City:

Zip Code:  Telephone:

Modem Number:

Signature:  Date:

Contractor's Signature:

## Controls Screen

With the 'Controls' button selected, the user can modify a number of temperature, pressure, mode and capacity setpoints and configurations, and monitor live unit status, temperatures, pressures and capacities. Available setpoint and configuration parameters vary depending on the type of equipment. Additionally, the setpoints and configuration parameters available to the UI vary depending on whether the unit is connected to the cloud using SiteLine for Dedicated Equipment or SiteLine for Pre-Programmed BAS. Not all data categories apply to all units.

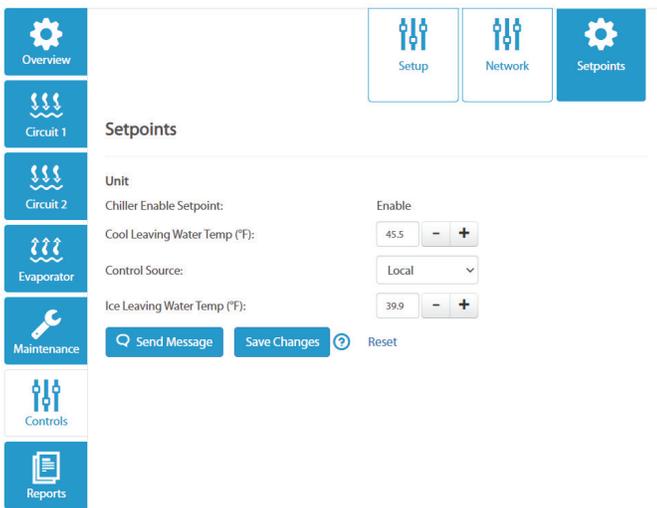
In general, setpoints are changed more frequently and are found under the 'Setpoints' header. Examples can include Evaporator Leaving Water Temperature setpoints, the Control Source and Unit Enable on chillers (Figure 69) and Discharge Air, Heating and Cooling Changeover, Humidity, Duct Pressure and Building Pressure setpoints on rooftop units (Figure 70). Configuration parameters (items that are typically set infrequently or only at the time of unit commissioning) are found under the 'Setup' or 'Operations' header. Examples can include design conditions, power conservation settings, stage timers, and alarm limits on chillers (Figure 71) and outside air damper control, fan setup and control, and high and low temperature limits on rooftop units (Figure 72 on page 34). Prior to making any setting changes, the user should be familiar with the operation manual for the unit and trained in its operation.

### NOTICE

The list of available setpoints and configuration parameters is more extensive for equipment using SiteLine for Dedicated Equipment than for equipment using SiteLine for Pre-Programmed BAS.

On each header, the user can modify the desired setpoints or configuration parameters. However, the changes do not take effect until the 'Save Changes' button is clicked (Figure 73 on page 34). Clicking 'Reset' reverts the settings to their previous values. If desired, clicking the 'Send Message' button allows the user to send an e-mail to inform others of changes. Hovering over the question mark icon will provide context specific help.

Figure 69: Chiller Setpoints Screen



For rooftop units using SiteLine for Dedicated Equipment, clicking the 'Capacity' button allows the user to monitor Cooling Capacity, Heating Capacity, and Economizer Capacity (Figure 74 on page 34). For chillers using SiteLine for Dedicated Equipment, clicking the 'Network' button allows the user to observe the current values of the network setpoints (Figure 75 on page 34). These read-only variables would normally be written via a third-party Building Automation System (BAS) using BACnet, LON, or Modbus.

Figure 70: Rooftop Unit Setpoints Screen

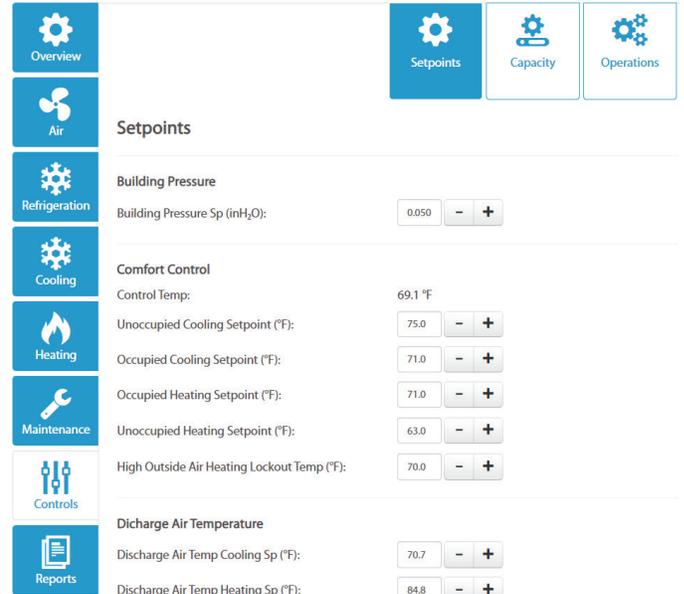


Figure 71: Chiller Setup Screen

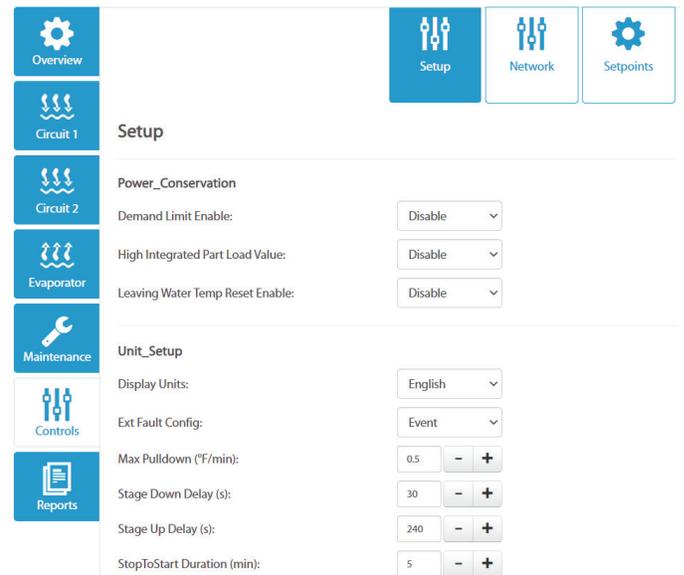


Figure 72: Rooftop Unit Operations Screen

Figure 75: Chiller Network Screen

Figure 73: Save Changes Button

Figure 74: Rooftop Unit Capacity Screen

## Reports Screen

With the “Reports” button selected, the user can view trended data for the current hour, day, month or year and can export this data for further analysis. In addition, they can view Maintenance and Remote Inspection Reports, along with Service Logs for the unit.

### Trends

The ‘Trends’ button is selected by default and displays the trended data for the current day (Figure 76). Data can be viewed for the current hour, days, month or year by clicking the appropriate button. Clicking the ‘Customize’ button enables the Start and End fields, allowing the user to enter a trend for a specific range (Figure 77). Each equipment model has a default set of trend data points displayed, but more data points can be added to the graph by clicking the ‘Setup Trend’ button then selecting the desired additional points (Figure 78). Clicking the ‘Add Trend Chart’ button allows the user to create and display additional graphs. This is helpful, as only two types of data, such as pressures and temperatures, can be displayed on a single graph. All additional graphs can also be delete by clicking the “X” icon in the upper-right corner.

Figure 76: Current Day Trend Example

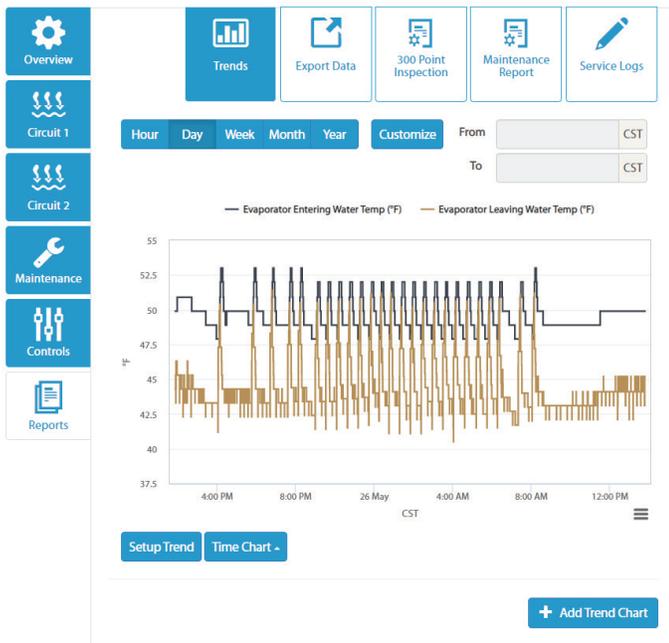


Figure 77: Custom Date Range Example

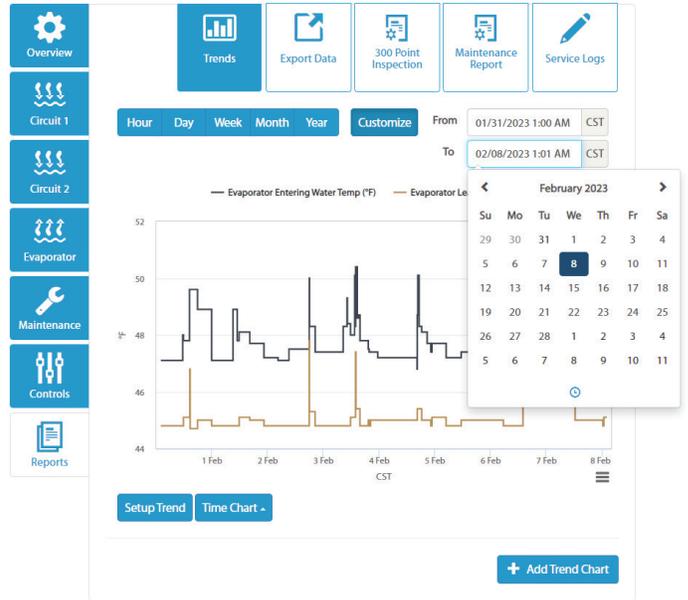
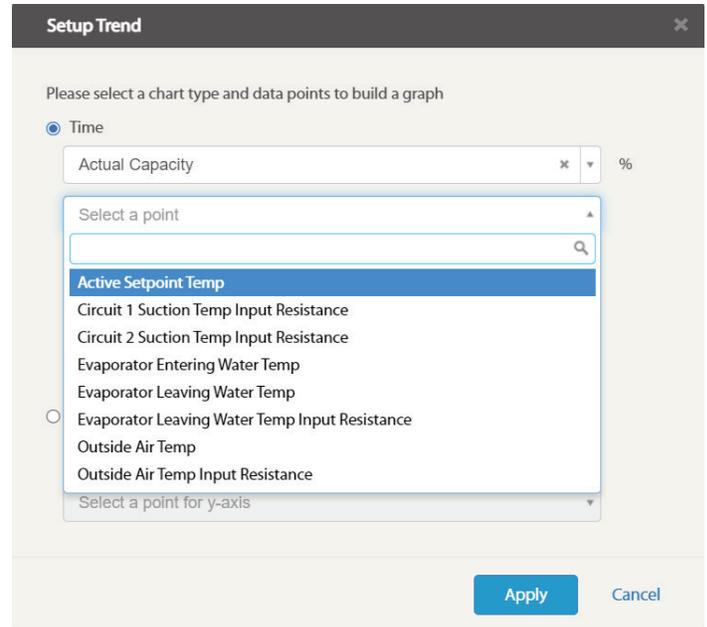


Figure 78: Trend Data Point Selection



## Export Data

Clicking the 'Export Data' button (Figure 79) allows the user to export selected data points for a specific date range. The data is exported to a CSV file which can be saved to a local computer, tablet or smart phone. Files in CSV format can typically be opened by commercial spreadsheet software.

Clicking the 'New Export Data' button opens the Export Data Setup screen (Figure 80). By default, the 'Data Unit Log File' report type is selected. This report type allows the user to export all values for one or more data points during a selected timeframe. The data is reported sequentially within the log report, meaning it is a single stream of data point changes in the order in which they occurred. The user selects the time period in the 'From' and 'To' fields. Clicking in either field displays a calendar to use for selecting the date. Clicking the clock icon at the bottom of this calendar allows the user to select a specific time on that date (Figure 81). The user can select specific data points from the table. Clicking the 'Include All' box allows the user to quickly check or clear all data points within the table. When checked, the 'Show Selected' box filters the larger table to just those data points that are currently checked. Navigation arrows at the bottom of the data point table allow for movement between several pages within the table. The report is created by clicking the 'Request Data' button.

The 'Fixed Time Trend Report' allows the user to export data for one or more data points for a specific date/time range, and at specific intervals. Selecting the 'Fixed Time Trend Report' presents a drop-down menu for selecting the time interval (Figure 82). The report is created by clicking the 'Request Data' button. The user selects the time period in the 'From' and 'To' fields. Clicking in either field displays a calendar to use for selecting the date. Clicking the clock icon at the bottom of this calendar allows the user to select a specific time on that date. The user can select specific data points from the table. Clicking the 'Include All' box allows the user to quickly check or clear all data points within the table. When checked, the 'Show Selected' box filters the larger table to just those data points that are currently checked. Navigation arrows at the bottom of the data point table allow for movement between several pages within the table. The report is created by clicking the 'Request Data' button.

The 'Change of Value Trend Report' allows the user to export all changes of value for one or more data points for a specific date/time range. The user selects the time period in the 'From' and 'To' fields. Clicking in either field displays a calendar to use for selecting the date. Clicking the clock icon at the bottom of this calendar allows the user to select a specific time on that date. The user can select specific data points from the table. Clicking the 'Include All' box allows the user to quickly check or clear all data points within the table. When checked, the 'Show Selected' box filters the larger table to just those data points that are currently checked. Navigation arrows at the bottom of the data point table allow for movement between several pages within the table. The report is created by clicking the 'Request Data' button. Each data point receives its own column within the finished report (Figure 83), making the data set easy to graph using commercial spreadsheet software.

Figure 79: Export Data Screen

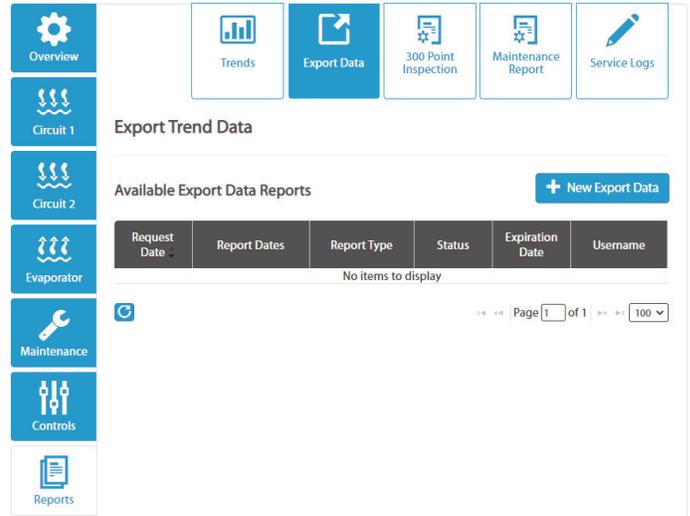
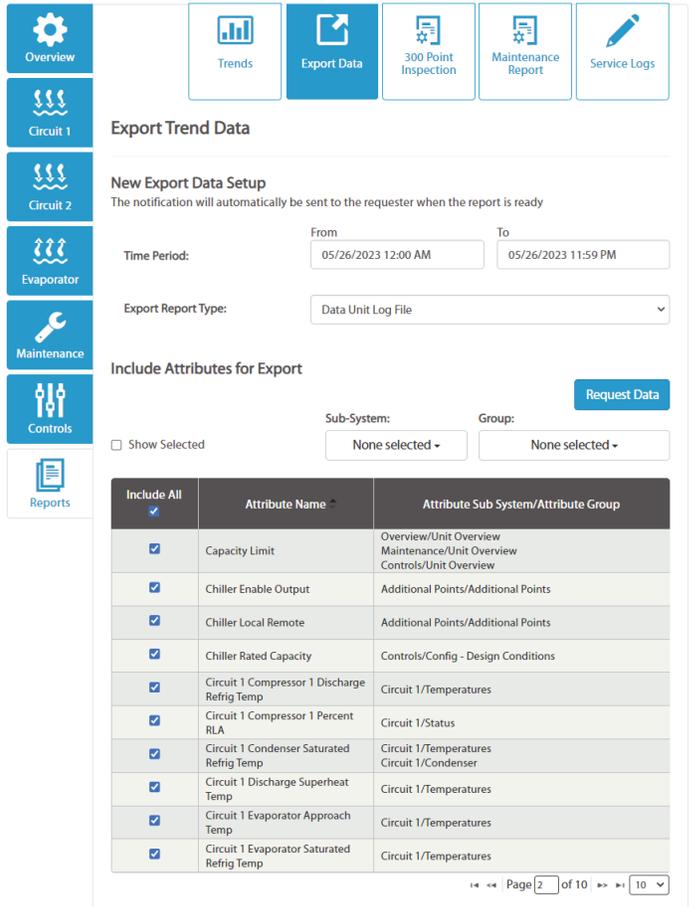


Figure 80: Export Data Setup Screen



**Figure 81: Date and Time Range Selection**

**Export Trend Data**

**New Export Data Setup**  
The notification will automatically be sent to the requester when the report is ready

Time Period: From 05/01/2023 12:00 AM To 05/14/2023 11:59 PM

Export Report Type: Data Unit Log File

Include Attributes for Export

Show Selected

Sub-System: None selected

Include All	Attribute Name	Attribute Sub System
<input checked="" type="checkbox"/>	Capacity Limit	Overview/Unit Overview Maintenance/Unit Overview Controls/Unit Overview
<input checked="" type="checkbox"/>	Chiller Enable Output	Additional Points/Additional Points
<input checked="" type="checkbox"/>	Chiller Local Remote	Additional Points/Additional Points

**Figure 82: Fixed Time Trend Report**

**Export Trend Data**

**New Export Data Setup**  
The notification will automatically be sent to the requester when the report is ready

Time Period: From 05/01/2023 12:00 AM To 05/14/2023 11:59 PM

Export Report Type: Fixed Time Trend Export

Time Interval: 5 mins

Include Attributes for Export

Show Selected

Sub-System: None selected

Group: None selected

[Request Data](#)

	Attribute Name	Attribute Sub System/Attribute Group
<input checked="" type="checkbox"/>	Capacity Limit	Overview/Unit Overview Maintenance/Unit Overview Controls/Unit Overview
<input checked="" type="checkbox"/>	Chiller Enable Output	Additional Points/Additional Points
<input type="checkbox"/>	Chiller Local Remote	Additional Points/Additional Points

**Figure 83: Change of Value Trend Report**

Time Stamp	Discharge Air Temp (°F)	Time Stamp	Outside Air Temp (°F)
12/1/2021 14:43	52.3	12/1/2021 2:33	39.7
12/1/2021 18:02	50.5	12/1/2021 5:35	38.8
12/1/2021 19:05	48.6	12/1/2021 6:04	37.9
12/1/2021 21:44	50.5	12/1/2021 6:37	37
12/2/2021 0:06	52.3	12/1/2021 7:25	36
12/2/2021 2:10	50.5	12/1/2021 8:19	37
12/2/2021 3:25	48.6	12/1/2021 8:21	37.9
12/2/2021 8:41	50.5	12/1/2021 9:07	38.8
12/4/2021 17:37	54	12/1/2021 9:19	39.7
12/4/2021 17:43	55.8	12/1/2021 9:33	40.7
12/5/2021 0:27	53.5	12/1/2021 9:47	41.6
12/5/2021 0:33	55.4	12/1/2021 10:27	42.5
12/5/2021 1:09	53.5	12/1/2021 10:56	43.4
12/5/2021 1:19	55.4	12/1/2021 11:13	44.3
12/5/2021 4:13	53.5	12/1/2021 11:17	45.3
12/5/2021 4:18	55.4	12/1/2021 11:23	46.2
12/5/2021 5:17	53.5	12/1/2021 12:41	47.1
12/5/2021 5:21	55.4	12/1/2021 12:58	48
12/5/2021 9:35	57.2	12/1/2021 13:06	48.9
12/5/2021 11:24	59.1	12/1/2021 13:55	49.8
12/5/2021 13:20	57.2	12/1/2021 14:43	50.7
12/5/2021 14:38	59.1	12/1/2021 16:02	49.8
12/5/2021 14:56	57.2	12/1/2021 18:01	48.9
12/5/2021 15:11	55.4	12/1/2021 18:35	48
12/5/2021 15:35	53.5	12/1/2021 19:03	47.1
12/5/2021 16:28	51.7	12/1/2021 19:20	46.2
12/5/2021 19:59	49.9	12/1/2021 19:34	45.3
12/5/2021 20:03	51.7	12/1/2021 19:43	46.2

## 300-Point Inspection

Clicking the '300 Point Inspection' button allows the user to create and view electronic inspection reports for a piece of equipment (Figure 84). Clicking the 'Start Inspection' button opens the report wizard, which consists of unit set-up information, diagnostic information, operational data, and an alarm summary. The user completes the fields on each successive screen, using the next and previous buttons to navigate between pages. The diagnostic screen contains pre-defined service items for different equipment components (Figure 85). When completed with the report, clicking the 'Submit' button on the alarm summary page saves the report to the cloud. All previous chiller inspection reports can be viewed and downloaded from the 'Chiller Inspection Report Log' table at the bottom of the page. Clicking the 'View Details' link for a report will take the user to a download screen. The report is saved in Microsoft Word format.

Figure 84: 300-Point Inspection

**300 Point Chiller Inspection Report**

Chiller inspection reports can be used to document annual inspections, operating inspections, or remote inspections of chiller equipment. The reports can be reused on a frequent basis and allow a user to select drop down diagnostic selections and to pull some pre-populated data from the chiller controller. These reports can be included in a maintenance agreement services offering.

[Start Inspection](#)

**Chiller Inspection Report Log**

Date	Employee Name	Employee Contact Number	Additional Service Required?	Report Type	View Details
03/09/2023	User, J	Not Available	No	Remote Inspection	<a href="#">View Details</a>

Page 1 of 1

Figure 85: 300-Point Inspection Diagnostic Screen

300 Point Chiller Inspection Report for Chiller-1 Office 1 (AWV)

Set up Information | **Diagnostic** | Operational Data | Alarms Summary

Diagnostic Information / Recommendation

- Compressor Operation: \*
  - Can not determine condition remotely, assess during next physical inspection
  - Select Operation: OK
  - Inspection complete
  - Can not determine condition remotely, assess during next physical inspection
  - Oil analysis indicates abnormal condition; recommend continuing monitoring
  - Vibration level increasing; recommend continued monitoring
- Oil System Operation: \*
  - Vibration level increasing; recommend physical inspection
  - Oil analysis indicates abnormal condition; recommend physical inspection
  - Operating hours/age above limit; recommend Overhaul Service
  - Lubrication issues identified - see oil system operation
  - High Severity
  - Oil analysis indicates abnormal condition; recommend compressor service
  - Vibration level(s) above limit; recommend compressor service
  - System issues affecting unit operation; recommend further investigation
- Refrigerant System Operation: \*
  - Comments:

## Maintenance Report

Clicking the 'Maintenance Report' button allows the user to run a report of maintenance completed for a particular date range. The user selects the timeframe in the 'From' and 'To' fields. Clicking in either field displays a calendar to use for selecting the date. By default, the report is automatically sent to the user requesting it, but it can also be sent to other users by clicking in the 'Send To' field and entering one or more email address(es). Clicking the 'Request' button triggers the software to generate the report. All current and previous maintenance reports are listed in the 'Unit Maintenance Report History' table. While the system is compiling the report, its status will display as "Requested" in the table (Figure 86). Once the report is complete, the status will display as "Available", and it can be downloaded by clicking on the link. The report is in Microsoft Word format.

Figure 86: Unit Maintenance Report Requested

**Unit Maintenance Report Setup**

Time Period: From: 02/26/2023 To: 05/26/2023

Send To: Start Typing Username

A notification will be automatically sent to the requester when the report is ready.

[Request](#)

**Unit Maintenance Report History**

Request Date	Report Dates	Original Report	Modified Report/Date	Sent To
05/26/2023 03:11 PM	02/26/2023 12:00 AM-05/26/2023 11:59 PM	Requested	Not Applicable	j.user@daikinapplied.com

Page 1 of 1

Existing maintenance reports can be modified if it is necessary to rename the report or append missing information from the original report. The original report will still exist in the history. To update an existing report, highlight the desired record entry by selecting anywhere in the row within 'Unit Maintenance Report History'. Clicking the 'Update Report' button (Figure 87) brings up the 'Upload Report' screen (Figure 88). From this screen, click the original report to download and edit the report, then click the Upload button to upload the modified report. The 'Unit Maintenance Report History' now shows the original report and includes the modified report (Figure 89).

Figure 87: Update Report

### Unit Maintenance Report History

Update Report

Request Date	Report Dates	Original Report	Modified Report/Date	Sent To
05/26/2023 02:11 PM	02/26/2023 12:00 AM- 05/26/2023 11:59 PM	Available	Not Available	j.user@daikinapplied.com

Page 1 of 1 | 100

Figure 88: Upload Report

### Upload Report

Original Report [Maintenance Report - Chiller-1 Office 1 \(AWV\) \(2-26-2023 - 5-26-2023\).docx](#)

Sent To j.user@daikinapplied.com

Requested By J User

Update a Report \*  Browse

Sent To

\* By click Upload the uploaded Report will be replaced by selected file

Upload
Cancel

Figure 89: Modified Report

### Unit Maintenance Report History

Request Date	Report Dates	Original Report	Modified Report/Date	Sent To
05/26/2023 02:11 PM	02/26/2023 12:00 AM- 05/26/2023 11:59 PM	Available	Available / 01/24/2024 05:51 PM	j.user@daikinapplied.com

Page 1 of 1 | 100

## Service Logs

Clicking the 'Service Logs' button allows the user to view a list of all service logs and commissioning procedures that have been performed using the Maintenance feature of SiteLine (Figure 90). For each item in the table, clicking the 'View Details' link opens a pop-up window with a list of all services performed, and allowing the user to download a snapshot of the unit values when the service item was entered (Figure 91).

Figure 90: Service Logs

### Service Logs

Date	Employee Name	Employee Contact Number	Additional Service Required?	Report Type	View Details
05/26/2023	User, J	555-555-5555	No	Maintenance	<a href="#">View Details</a>

Page 1 of 1 10

Figure 91: Service Log Details

**Details** [Close]

The Unit RTU 1 - Dock has been commissioned by User, J

Date:  
01/12/2022

Employee Name:  
User, J

Employee Phone Number:  
(555) 555-5555

Download a Report:  
[Commissioning Report 01\\_12\\_2022 for Unit RTU 1 - Dock.docx](#)

[Close]

# Building Dashboard

The 'Building Dashboard' (Figure 92) displays the building critical information, including building status information, maintenance items, weather forecast, and sustainability metrics. In addition, the user can choose to view unit-specific data and add/remove widgets to the building dashboard. Widgets are added and removed by clicking the 'Show/Hide Widgets' icon in the upper-right corner of the dashboard, then clicking the checkbox next to the desired widgets (Figure 93). Not all widgets apply to individual equipment types; a message appears when the user

places the cursor over a widget that is not applicable for the equipment. Once a widget is displayed, clicking and dragging its header allows the user to reorganize the building dashboard display.

**NOTE:** The following widgets are temporarily disabled.

- Financial Summary
- Performance Index
- Comfort Index
- Equipment Metrics
- Sustainability Index

Figure 92: Building Dashboard

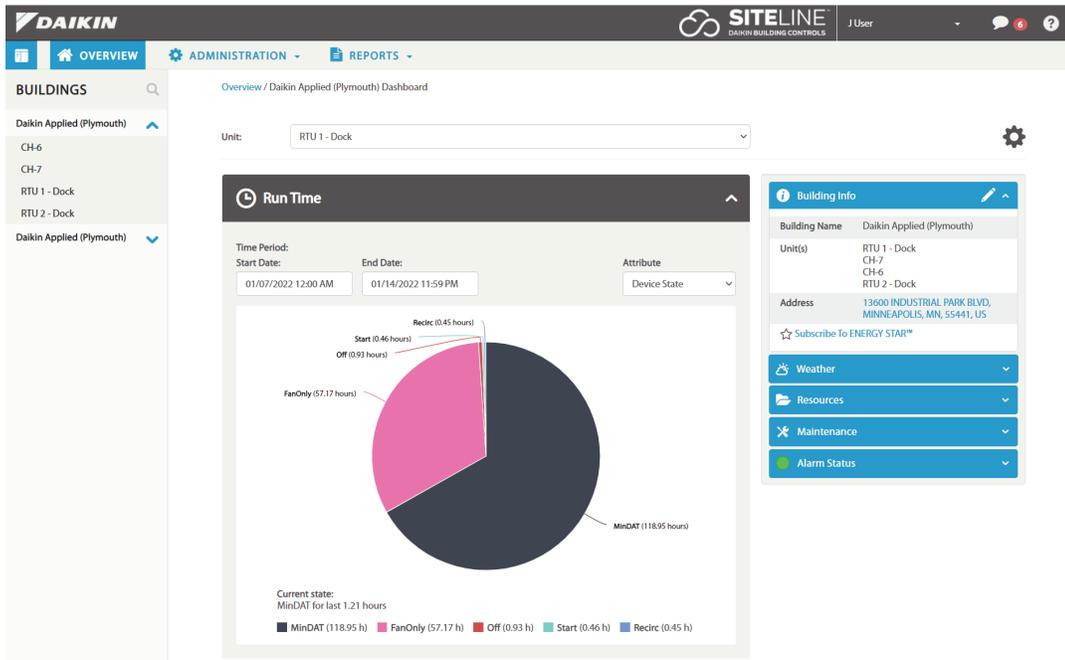
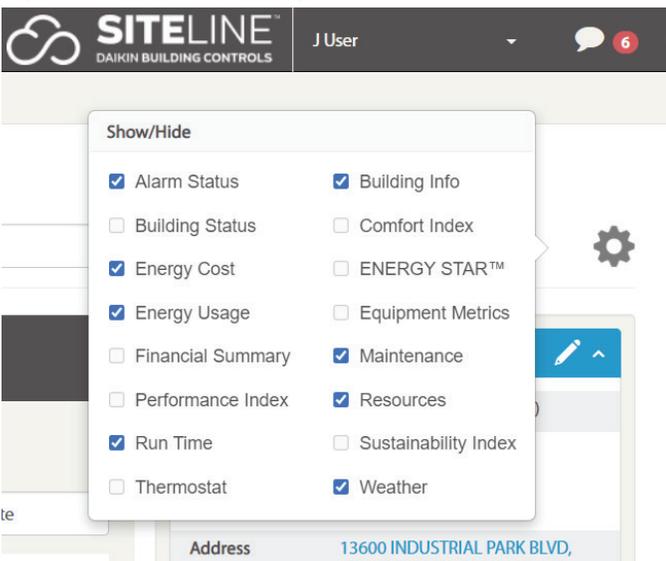


Figure 93: Show/Hide Widgets



## Building Status

The 'Building Status' portion of the Building Dashboard displays basic utility usage information as well as overall building ENERGY STAR Score. The information in this portion of the dashboard can only be generated by clicking the 'Subscribe To ENERGY STAR' button, and entering general building and utility information (Figure 94). Once all information is entered on all three tabs, clicking the 'Save' button returns the user to the Building Dashboard. Clicking the 'Cancel' button cancels any changes.

**Figure 94: Subscribe to Energy Star**

### Subscribe To ENERGY STAR

[Back](#)

**ENERGY STAR™ Information**

Existing Property in SiteLine Select Property

Import from ENERGY STAR Portfolio Manager [ ]  
[More Info](#)

New Property

Organization
Required Information
Basic Information

Organization Name \*

Primary Business or Service \* Select Business or Service

Country \* Select Country

Street Address \*

City \*

Zip/Postal Code \*

Phone Number \*

Fax

Website

Is your organization an ENERGY STAR Partner?  Yes  No

[Next >](#)

[Save](#) [Cancel](#)

When a building is created in SiteLine, and ENERGY STAR data entered, a corresponding building is automatically created in ENERGY STAR Portfolio Manager. For questions on accessing Portfolio Manager, please contact Daikin Applied Controls Technical Support.

Once the building is subscribed to ENERGY STAR's Portfolio Manager, 'View Details' and 'Setup Meters', appear in the Building Status section (Figure 95). Clicking 'View Details' directs the user the 'ENERGY STAR Information' screen, which allows the user to update property information, add meters, and set energy targets. Clicking the 'Setup Meters' button takes the user directly to the 'Meters & Consumption' tab of the 'ENERGY STAR Information' screen. Until usage data is uploaded, the corresponding fields will read, "Not Available".

**Figure 95: Building Status Following Addition of Building Details**

**Building Status** My Building - ^

ENERGY STAR™ Score Not Available

LEARN MORE AT [ENER.GOV/EP/EPD](#)

**My Usage Comparison**

- Energy Not Available
- Water Not Available
- Fuel Not Available

[View Details](#) [Setup Meters](#)

[Learn more about these metrics...](#)

## Setup Meters

The 'Meters & Consumption' tab of the 'ENERGY STAR Information' screen (Figure 96) allows the user to add their utility meter information. The user must first add the desired meter by clicking the corresponding 'Add' button, then give the meter a name (Figure 97). Once all desired meters are added and given names, clicking the 'Submit' button provides each of the meters with an 'Upload Data' button (Figure 98). All data must be uploaded using the template provided by clicking the 'Download Template' button (Figure 99). The template is in Comma-Separated Values (.csv) format and can be edited using several readily available spreadsheet software programs.

Once all data is entered into the template, the file should be saved. Following this, clicking the 'Upload Data' opens a dialog box, allowing the user to navigate to and select the desired file. Once the file is selected, the upload begins immediately, and a confirmation message appears when complete (Figure 100 on page 44). After all desired meter data is uploaded, clicking the 'Building' link near the top of the screen returns the user to the 'Building Dashboard'. An ENERGY STAR score should now be calculated, and all meters with uploaded data should display usage comparison to the previous month or year (Figure 101 on page 44). If enough data is available, the comparison will be year-over-year.

Figure 96: Meters and Consumption Tab

Figure 97: Adding a Meter

Figure 98: Upload Data Button

Figure 99: Download Template button

Figure 100: Consumption Data Upload Successful

The screenshot shows the SITESLINE interface. At the top left is the DAIKIN logo. At the top right is the SITESLINE logo with the text "DAIKIN BUILDING CONTROLS" and a user profile "J User". Below the header is a navigation bar with "ADMINISTRATION" and a "REF" button. A green notification banner reads "Consumption data uploaded successfully." Below this is the "ENERGY STAR™ Information" section with a "< Back" link and four tabs: "Organization Information", "Property Information", "Meters & Consumption" (which is selected), and "Targets".

Figure 101: Usage Comparison Following Data Upload

The screenshot shows the "Building Status" page. The header includes a building icon, the text "Building Status", and "My Building" with a dropdown arrow. The main content area is split into two columns. The left column features an aerial view of a building and an "ENERGY STAR™ Score" of 82 for the 12-month period ending 12.2021. The right column, titled "My Usage Comparison", shows three metrics: Energy (0.60% Lower than last year), Water (0.78% Lower than last year), and Fuel (1.45% Lower than last year). Each metric is accompanied by a green downward arrow icon. At the bottom of the usage comparison section are links for "View Details" and "Setup Meters", along with a link to "Learn more about these metrics...".

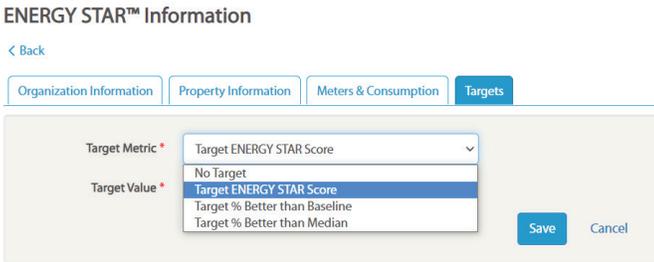
The user can also choose to display a 'Target ENERGY STAR' score by choosing this option on the 'Targets' tab of the 'ENERGY STAR Information' screen. Click the 'View Details' button, then select the 'Targets' tab. The user then clicks the 'Edit' button, which makes the 'Target Metric' field editable. The user can choose from three different reports; Target ENERGY STAR Score, Target Percentage better than Baseline, and Target Percentage better than Median (Figure 102). The Target Percentage better than Baseline option makes a comparison between current and baseline performance. The Target Percentage better than Median option makes a comparison between the current building's performance and that of similar size and usage characteristics.

Once the 'Target Metric' is decided, the user must then enter a 'Target Value' for the metric. Clicking the 'Save' button sets the target. After this, clicking the 'Building' link near the top of the screen returns the user to the 'Building Dashboard', where the 'Target Score' should now be visible (Figure 103).

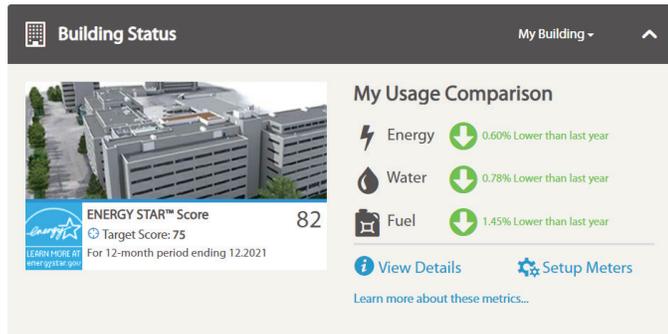
**NOTICE**

If the user wishes to preview the dashboard with sample values, rather than uploading meter data, set the 'Sample Property' field on the 'Meters & Consumption' tab to 'Yes' and click 'Submit'. The dashboard will now display data from a sample building (Figure 104).

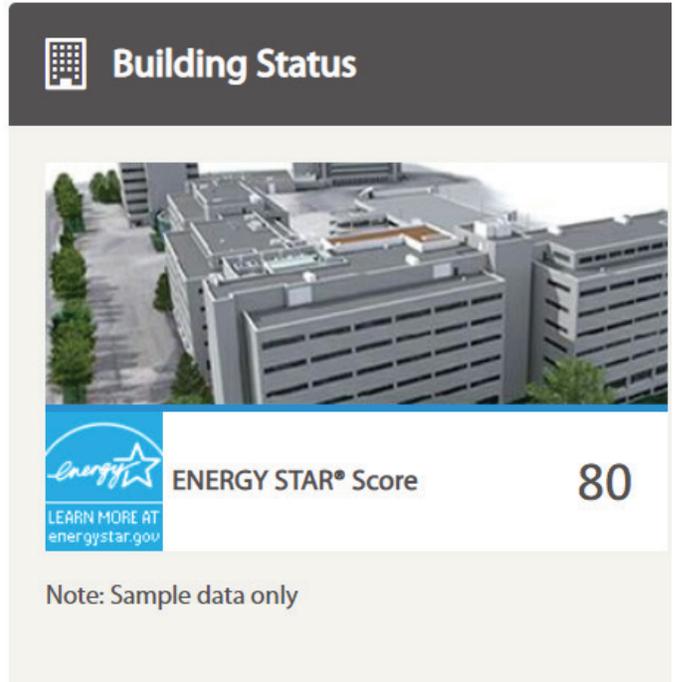
**Figure 102: Choosing a Target Metric**



**Figure 103: Target Score**



**Figure 104: Sample Property**



## Run Time

The 'Run Time' section of the Building Dashboard (Figure 105) displays key run time parameters for the selected equipment. Selecting a parameter from the 'Attribute' menu will update the graph to display that attribute. The current state of the selected attribute is displayed under the graph. By default, the graph is displayed for the current week, but the Time Period can be changed by selecting a new Start and End Date. If the building has more than one unit, the user must select the desired unit from the 'Unit' list in the upper-left corner of the building dashboard (Figure 106).

Figure 105: Run Time Widget

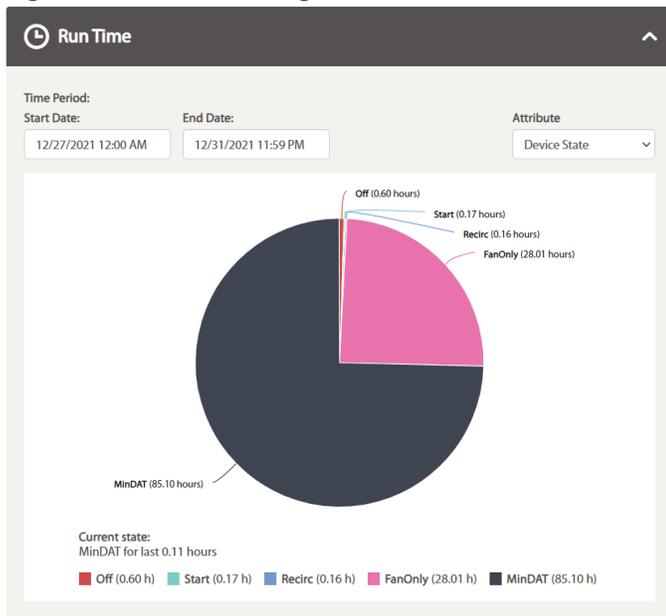


Figure 106: Unit List Selection

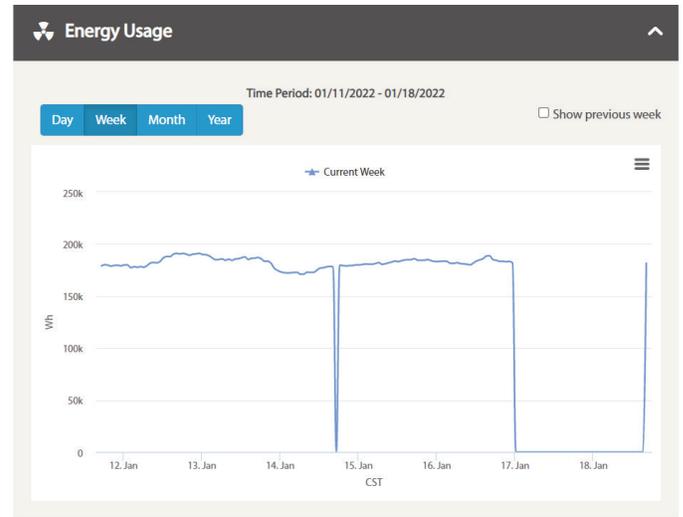
Overview / Daikin Applied (Plymouth) Dashboard



## Energy Usage

The 'Energy Usage' section of the Building Dashboard (Figure 107) displays a graph of the current energy usage for the chosen unit. The information is only available for units with optional energy monitoring. By clicking the appropriate button, the user can choose to display the energy usage trend for the current day, week, month, or year. By default, the current week button is selected. Clicking the 'Show Previous' box will display an additional graph for the previous day, week, month, or year, depending on the button selected.

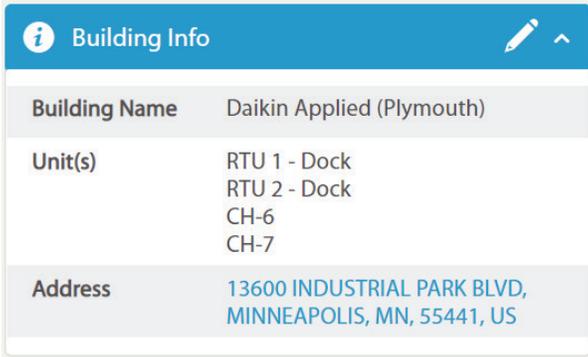
Figure 107: Energy Usage Widget



## Building Info

The 'Building Info' header of the Building Dashboard displays the Building name, building address, and all units currently available for the building (Figure 108). Clicking the edit icon allows the user to change the building name. Clicking the header once expands the data for display, while clicking it a second time collapses it.

Figure 108: Building Info



## Weather

The 'Weather' header of the Building Dashboard displays current weather conditions as well as a weather forecast (Figure 109). A link is also provided to check the weather online. Clicking the header once expands the data for display, while clicking it a second time collapses it.

Figure 109: Weather



## ENERGY STAR®

The 'ENERGY STAR' header of the Building Dashboard displays the current calculated ENERGY STAR score for the building, and a comparison to a typical building. This section also provides Performance and Financial data (Figure 110). It is important to remember that no calculations can be made without the user entering meter data. Clicking the 'ENERGY STAR' header once expands the data for display, while clicking it a second time collapses it.

Figure 110: ENERGY STAR Performance and Financial Data



## Resources

The 'Resources' header of the Building Dashboard displays a list of links to resources on Green Buildings. This section also provides Performance and Financial data (Figure 111). Clicking the 'Resources' header once expands the data for display, while clicking it a second time collapses it.

Figure 111: Resources on Green Buildings



## Energy Cost

The 'Energy Cost' header of the Building Dashboard displays a calculated energy cost for the unit selected from the 'Unit' list in the upper-left corner of the building dashboard. The data is displayed in the form of a bar chart. The cost is determined by the actual unit energy usage measured by the unit's energy management module, and the 'Energy Rate', measured in dollars per kilowatt hour (\$/kWh), entered by the user (Figure 112). By clicking the appropriate button, the user can choose to display the energy usage trend for the current day, week, month, or year. By default, the current week button is selected. Clicking the 'Show Previous' box will display an additional chart for the previous day, week, month, or year, depending on the button selected.

Figure 112: User Energy Rate



# Maintenance

The 'Maintenance' section of the Building Dashboard (Figure 113) displays a notification of any upcoming or past due maintenance items. By clicking the 'View Details' link under the 'Maintenance' item, the user can access the Maintenance Details for the building (Figure 114). Any recommended maintenance is listed for each unit, and a history of maintenance logs for the building is presented. To search for logs during a specific time frame, the user only needs to enter a start and end date, after which, the UI will automatically refresh to display only log items occurring between those dates.

Figure 113: Maintenance Notification

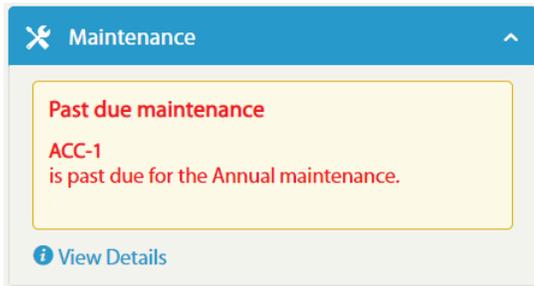


Figure 114: Maintenance Details

**View Maintenance Details** Send Message

---

**ACC-1 Unit**

**Past due maintenance**  
 ACC-1 is past due for the Annual maintenance.

Reject Maintenance
Schedule Maintenance

**Service Logs**

↻

Search

Start Date

End Date

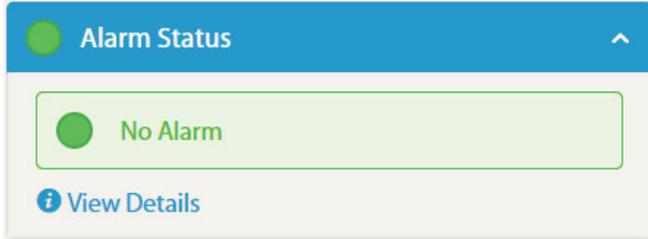
Unit Tag	Date	Employee Name	Employee Contact Number	Additional Service Required?	Report Type	View Details
ACC-1	11/20/2021	User, J	(555) 555-5555	No	Maintenance	<a href="#" style="color: #007bff;">View Details</a>
ACC-1	01/20/2021	User, J	(555) 555-5555	No	Commissioning	<a href="#" style="color: #007bff;">View Details</a>

⏪ ⏩ Page  of 1 ⏪ ⏩

## Alarm Status

The 'Alarm Status' section of the Building Dashboard (Figure 115) displays a list of any active alarms. By clicking the 'View Details' link under the Alarms section, the user is directed to more detailed unit information, including the alarm state for all units, general unit operation information for all units, and subscription status for all units (Figure 116).

**Figure 115: Alarm Status**



**Figure 116: Unit Status Details**

### Units Status for Solutions Plaza

#### Alarm Information

	Unit Tag	Short Description	Time
	ACC-1	Alarm Cleared / No Active Alarms	1/19/2022 1:35 PM

#### General Information

##### Air Cooled Chiller

Unit Tag	Alarm Status	Active Setpoint Temp	Evaporator Entering Water Temp	Evaporator Leaving Water Temp	Chiller Status	Device Status
ACC-1		46.0 °F	54.2 °F	45.7 °F	Run	Auto

#### Subscription Status

Unit Tag	Subscription Type	Status	Expiration Date
ACC-1	Standard	Active	4/29/2022

## Thermostat

The 'Thermostat' widget of the Building Dashboard (Figure 117) provides a graphical representation of the local thermostat control on a single-zone Daikin device. Examples of zone level devices include, Single Zone RTU, VAV, Thermostat, and WSHP's. The widget provides information about unit mode, fan status, occupancy status, space temperature, and space temperature setpoint. If the unit is in unoccupied mode, the unit can be overridden to an occupied state by clicking the 'Occupancy Override' button. The space temperature setpoint can be adjusted by clicking the up or down arrows to raise or lower the setpoint value. The setpoint is constrained by high and low limits set at the local zone level device. All other parameters displayed in the 'Thermostat' widget are not adjustable. The 'Thermostat' widget is only used for Daikin devices.

**Figure 117: Thermostat" Widget**



# COMPLETE HVAC SYSTEM SOLUTIONS

SELF-CONTAINED | ROOFTOPS | COILS | CONDENSING UNITS  
AIR HANDLERS | WATER-COOLED CHILLERS | AIR-COOLED CHILLERS  
MODULAR CENTRAL PLANTS | SITELINE BUILDING CONTROLS  
UNIT HEATERS | FAN COILS | AIR PURIFIERS | WATER SOURCE HEAT PUMPS  
VARIABLE AIR VOLUME UNITS | UNIT VENTILATORS



13600 INDUSTRIAL PARK BLVD. | MINNEAPOLIS, MN 55441  
1-800-432-1342 | 763-553-5330

LEARN MORE AT  
**DAIKINAPPLIED.COM**

PART NUMBER: OM1341-1

© 2024 DAIKIN APPLIED | (800) 432.1342 | WWW.DAIKINAPPLIED.COM