

Verasys Tenant User Guide

LC-SBH200-0

Building Technologies & Solutions

www.johnsoncontrols.com

2020-09-30

LIT-12013613

Release 4.0

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Introduction to Verasys

The Verasys system provides bundled equipment and controls solutions that are well-proven. Verasys is a plug and play solution that is part of the Johnson Controls® SMART Systems. The Verasys system features both simple, configurable controllers and HVACR equipment from the factory or installed in the field. You can use Verasys to configure many HVACR controls applications for one building or an entire enterprise comprised of multiple buildings, without using special programming tools or control engineering.



Verasys has a key role in the Internet of Things (IoT) ecosystem in the light commercial market. The technology is based on the SMART equipment technology and uses the core assets of Johnson Controls Metasys product lines. You can use Verasys to create installation use cases that provide standard feature sets for the light commercial space.

Related documentation

The following table contains a list of the related Verasys documents. For more documentation and resources, visit <http://www.verasyscontrols.com>.

Table 1: Related documentation

Document title	LIT or Part No.
<i>Verasys System User's Guide</i>	<i>LIT-12012371</i>
<i>Verasys Smart Building Hub Installation Guide</i>	<i>Part No. 24-10737-00237</i>
<i>Verasys Smart Building Hub Network and IT Guidance Technical Bulletin</i>	<i>LIT-12012324</i>
<i>Verasys Smart Building Hub Quick Start Guide</i>	<i>Part No. 24-10737-00229</i>

Accessing the Verasys user interface

Before you can log in to the Verasys user interface, you must connect to the Smart Building Hub (SBH). To connect to the SBH, use one of the following methods:

- Connect to the SBH Wi-Fi network.
- Use an Ethernet cable to connect to the same network as the SBH.

Connecting to the SBH through Wi-Fi

Before you begin: Ensure that you know the network name and the passphrase of the SBH Wi-Fi network. For more information, contact your SBH administrator.

To connect to the SBH through Wi-Fi, complete the following steps:

1. In the Wi-Fi settings of your device, open the list of available Wi-Fi networks, and connect to the SBH Wi-Fi network.
Note: If you cannot find the SBH Wi-Fi network name in the list of available Wi-Fi networks, ensure that you have the correct network name and that you are in the range of the SBH Wi-Fi network.
2. Enter the Wi-Fi network passphrase.
3. In the network settings of your device, check that you have a connection to the SBH Wi-Fi network.

Connecting to the SBH through Ethernet

To connect to the SBH through Ethernet, complete the following steps:

1. Connect the Ethernet cable to your device.
2. In the network settings of your device, check that you are connected to the same network as the SBH.

Logging in to the Verasys user interface

Before you begin: Ensure that you know your user name and password for the Verasys user interface, and that you have a connection to the SBH. For more information, contact your SBH administrator.

To log in to the Verasys user interface, complete the following steps:

1. Open a web browser on your device, and navigate to the following URL:
www.smartbuildinghub.com

Note:

If you connect to the SBH locally, and your browser displays a warning that the certificate is not trusted, you can bypass that warning and proceed to the site. This is expected behavior, because the SBH ships with a self-signed certificate, and browsers can display a warning for self-signed certificates. If you connect to the SBH locally, and not through a public network, it is safe to use a self-signed certificate for secure communication.

The warning message and how to proceed to the site are different for each browser. For instructions, refer to your browser help.

2. On the login page, enter your user name and password, and click **Log In**.
3. Read and accept the SBH license agreement.

Verasys tenant user interface overview

Verasys tenant users have access to the following parts of the Verasys user interface:

- Facility view
- Devices menu, including the following items:
 - Home Page
 - Device alarms
 - Device trend data
 - Device schedules

- Alarms menu for the site

Facility screen overview

The **Facility** screen appears when you log in to the SBH. In the **Facility** screen, you can see the status for all the spaces on the site that Verasys devices supervise, and change setpoints and other parameters. For more information, see the following figure and table.

Figure 1: SBH Facility screen

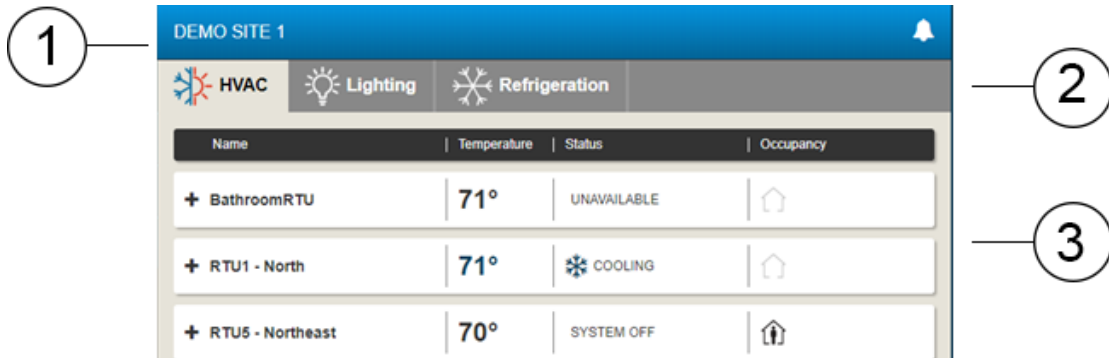


Table 2: SBH Facility screen

Callout	Description
1	Facility name
2	Tabs for the following categories of spaces: <ul style="list-style-type: none"> • HVAC • Lighting • Refrigeration
3	Spaces in collapsed view. For more information about a space, expand the row of the space. <p>ⓘ Note: The information that you can see for a space depends on the type of the device that controls the space and the features that the device supports.</p>

Facility HVAC tab overview

For information about the spaces on the **HVAC** tab, see the following figure and table.

Figure 2: Facility HVAC tab

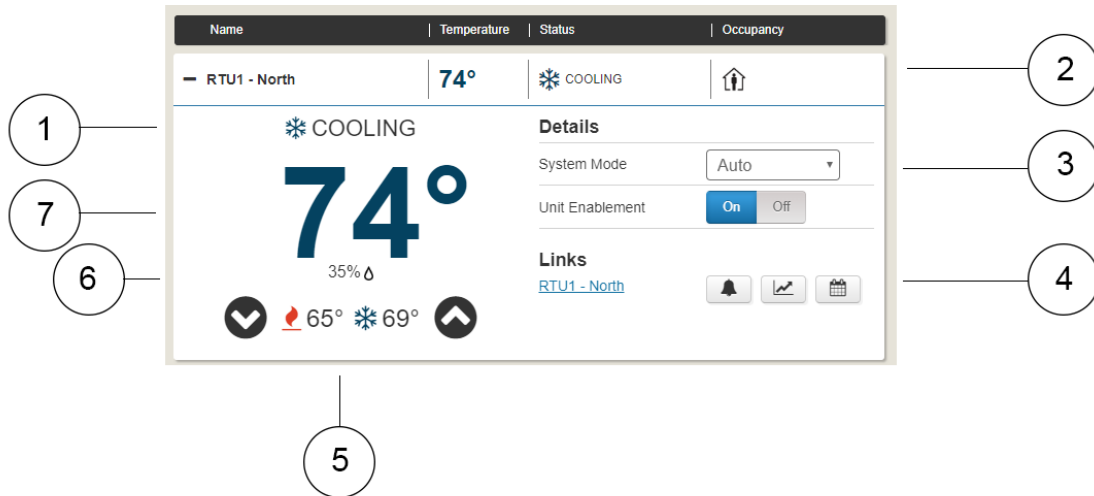


Table 3: Facility HVAC tab

Callout	Description
1	<p>One of the following HVAC statuses:</p> <ul style="list-style-type: none"> • Heating • Cooling • Satisfied • Fault • Unavailable • System off <p>① Note: The current temperature, humidity, and status of the space change colors depending on the status.</p>
2	Occupancy status
3	The setting for the system mode, and the setting to turn the device on or off.
4	A link to the home page of the device that controls the space, and buttons to access the device alarms, schedules, and trends.
5	Heating and cooling setpoints. To change the active setpoint, click the arrow buttons.
6	Humidity
7	Temperature

① **Note:** Devices that support energy saving features display the energy saving status, and if setpoints are not in their optimal settings, you can click a button to reset them.

Facility lighting tab overview

For information about the spaces on the **Lighting** tab, see the following figure and table.

Figure 3: Facility lighting tab

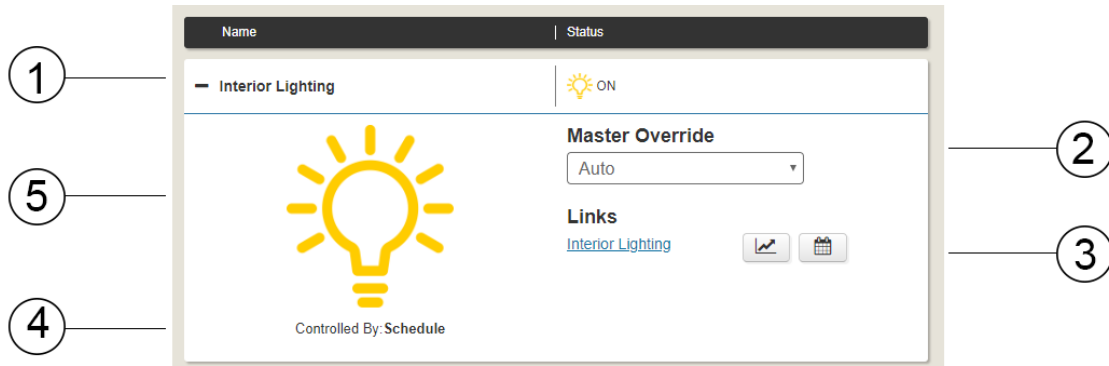


Table 4: Facility lighting tab

Callout	Description
1	The name of the lighting space.
2	Master override setting to turn the lights on or off automatically or manually.
3	A link to the home page of the lighting device and buttons to access the device trends and schedules.
4	The light control setting, for example, a schedule that you can configure.
5	The status of the lights.

Facility refrigeration tab overview

For information about the spaces on the **Refrigeration** tab, see the following figure and table.

Figure 4: Facility refrigeration tab

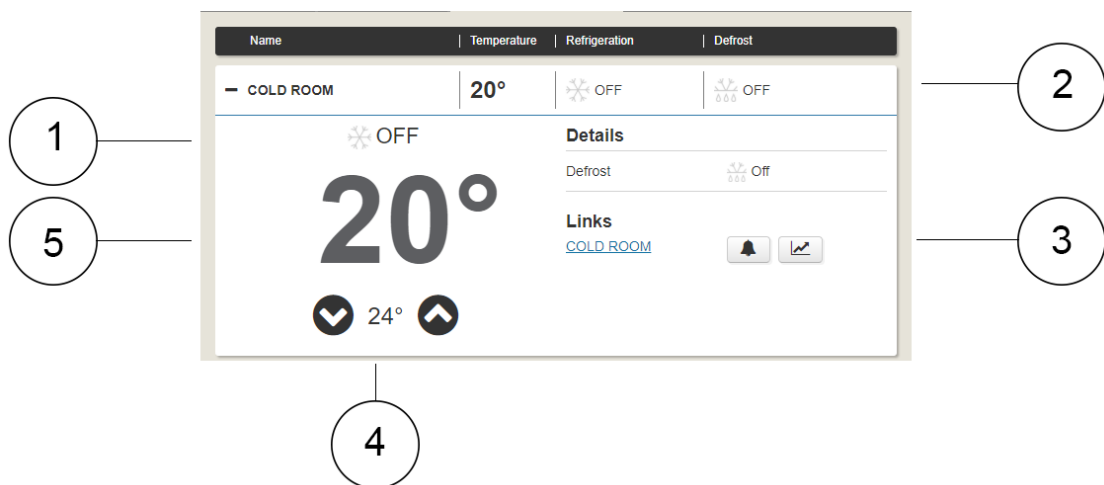


Table 5: Facility refrigeration tab

Callout	Description
1	The refrigeration status. It can be on or off.
2	The defrost status. It can be on or off.
3	The defrost setting, and a link to the home page of the device and buttons to access the device alarms and trends. ⓘ Note: You cannot change the defrost setting.
4	The refrigeration setpoint. To change the setpoint, click the arrow buttons.
5	Temperature

Viewing the device list

To view a list of all the online and offline Verasys devices connected to the SBH, click **Devices**.

ⓘ **Note:** On the **Devices** page, the system bus devices and zone bus devices appear in separate lists. See the following figure and table.

Figure 5: Devices page

The screenshot shows the 'DEVICES' page in a web interface. The page has a blue header with the title 'DEVICES' and a notification bell icon. Below the header is a table with columns for Address, Name, Description, and Status. The table lists several devices, including an IOM Controller, Unit 2, a Zone Coordinator, a 3rd Party RTU Controller (marked as OFFLINE), and several Verasys Zone Damper units (VVT1, VVT2, VVT3). A 'COLD ROOM' device is also listed at the bottom. Two callouts are present: callout 1 points to the 'IOM Controller' row, and callout 2 points to the 'ZONE COORDINATOR' section header.

Address	Name	Description	Status
5	IOM Controller	Verasys IOM Controller	
6	Unit 2	TEC3030	📶
- ZONE COORDINATOR			
8	Zone Coordinator	Verasys Zone Coordinator	
4	Mod Htg Mod Clg R...	3rd Party RTU Controller	⚠️ OFFLINE
5	BYP-5	test bypass	
6	VVT1	Verasys Zone Damper	
7	VVT2	Verasys Zone Damper	
8	VVT3	Verasys Zone Damper	
11	COLD ROOM	A525 Cold Room Contro...	

Table 6: Devices page

Callout	Description
1	A single device. To access detailed information about the device, click anywhere in the box.
2	If a zoning system is present, the Zone Coordinator header appears. To view the zone bus devices under the zone coordinator, expand the zone coordinator. ⓘ Note: A single zone RTU appears in a solid blue box without the arrow icon on the right.

Viewing device information

To access detailed information about a device, choose one of the following options:

- Click the **Devices** menu, and on the **Devices** page, click the box of a device.
- Select the device from the **Choose a device** drop-down menu at the top of the menu bar.

ⓘ **Note:** When you are viewing the details of a device, device menu items appear in the upper part of the navigation bar, and the site menu items appear in the lower part of the navigation bar.

The device menu contains the following items:

- **Home Page**

The device home page contains a device graphic, a circle of comfort, alarms, and key parameters. The content of the home page depends on the options that the device supports.

ⓘ **Note:** You cannot modify the device graphic.

- **Alarms**

Alarm information is available if the device supports alarms. On the **Alarms** page, you can view two alarm lists:

- To view the active alarms, click **Active Alarms**.
- To view the last 50 alarms on the device, both the active and the inactive ones, click **All Alarms**.

To sort the alarm list, click the column headers.

- **Trend**

Trend information is available if the device supports trend objects. Trend objects contain trend points. The Verasys system reads a configurable amount of data from the trend points at configurable intervals.

On the **Trend** page, you can see a list of all available trend objects in the navigation bar.

To view a graphical display of the data from a trend point, click the trend object, and then click the trend point.

To download the trend data, click **Download as CSV**.

- **Schedule**

Device schedules are available if the device supports the scheduling functionality. For information about how to set schedules, see [Setting schedules](#).

Setting schedules

About this task:

Schedules are available if the device supports schedule objects. To view or change schedules, perform the following steps:

1. In the device navigation bar, click **Set Schedule**.
 - ① **Note:** For some devices, **Set Schedule** is a submenu of the **Schedule** menu.
The **Set Schedule** page appears with a list of the currently available schedules on the device.
 - ① **Note:** For some devices, multiple schedules display in separate submenus in the **Set Schedule** menu.
2. Click the schedule object that you want to change or view.
The schedule details appear. To view schedules and exceptions, click one of the following buttons:
 - **Weekly:** scheduled events for each day of the week.
 - **Exception:** exceptions to the scheduled events, for example, holidays.
 - **Today:** scheduled events for the current day.
3. To add a new weekly schedule, click **Add**, define the details of the schedule and click **Save**. To modify a weekly schedule, click the row of the schedule, change the details, and click **Save**. To delete a weekly schedule, click the row of the schedule, and click **Delete**.
4. To add a new exception, click **Add Exception**, define the details of the exception, optionally click **Add New Event** to add new events to the exception, and click **OK**. To modify an exception, click the **Edit** icon on the row of the exception. To delete an exception, click the **Delete** icon on the row of the exception.

Viewing site alarms

The site alarm list shows all the alarms across all the connected devices. To view the site alarm list, click **Alarms** in the site navigation bar.

- ① **Note:** When you are viewing the details of a device, the site menu items appear in the lower part of the navigation bar. In the upper part of the navigation bar, you can see the device menu items that can also contain an **Alarms** menu. If you click the **Alarms** menu in the device navigation bar, the device alarm list opens.

On the site **Alarms** page, you can view two alarm lists:

- To view the active site alarms, click **Active Alarms**.
- To view the last 50 alarms from each device on the site, both the active and the inactive alarms, click **All Alarms**.

To sort the alarm list, click the column headers.

Changing your password

To change your password, complete the following steps:

1. Click your user name on the main navigation bar.

2. Click **Change Password**.
3. Enter your current password, and the new password twice. Follow the password rules that appear under **New Password**.
4. Click **Save**.

Logging out of the Verasys user interface

About this task:

If you are inactive, the system automatically logs you out after 30 minutes. To manually log out of the Verasys user interface, complete the following steps:

1. Click your user name on the main navigation bar.
2. Click **Logout**.

Product warranty

This product is covered by a limited warranty, details of which can be found at www.johnsoncontrols.com/buildingswarranty.

Software terms

Use of the software that is in (or constitutes) this product, or access to the cloud, or hosted services applicable to this product, if any, is subject to applicable end-user license, open-source software information, and other terms set forth at www.johnsoncontrols.com/techterms. Your use of this product constitutes an agreement to such terms.

Patents

Patents: <https://jciapat.com>

Single point of contact

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Contact information

Contact your local branch office: www.johnsoncontrols.com/locations

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