



1643 Josephine Training

Maintenance User Guide

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Table of Contents

Click to access sections

How to Login

The Hive Management Dashboard

Archived Reports

Analytics

How to Lock/Unlock Doors Using Your Dashboard

Using the “Has Access” Dashboard

Using the HIVE Dashboard

How to Create and Implement Presets

How to Create a Preset

Applying to Multiple Apartments

Applying to an Individual Apartment

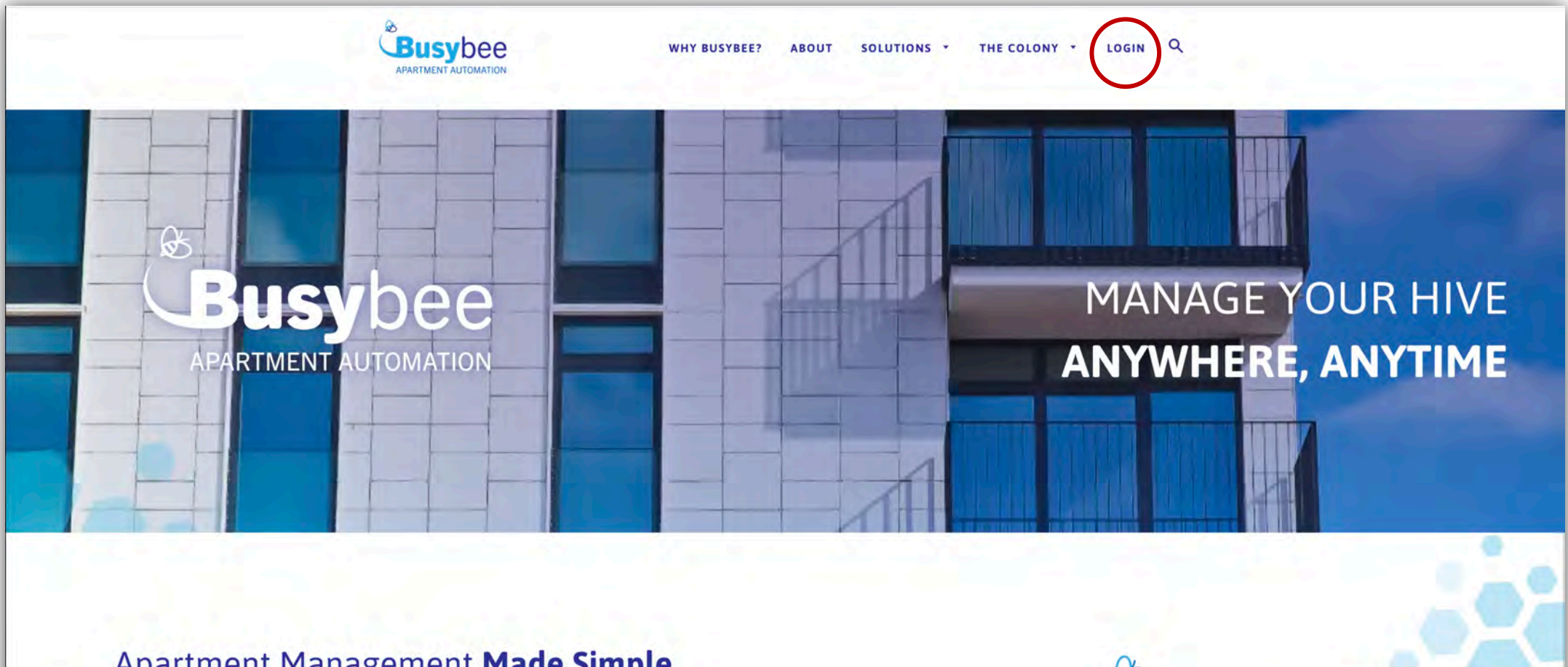
Humidity Control Logic



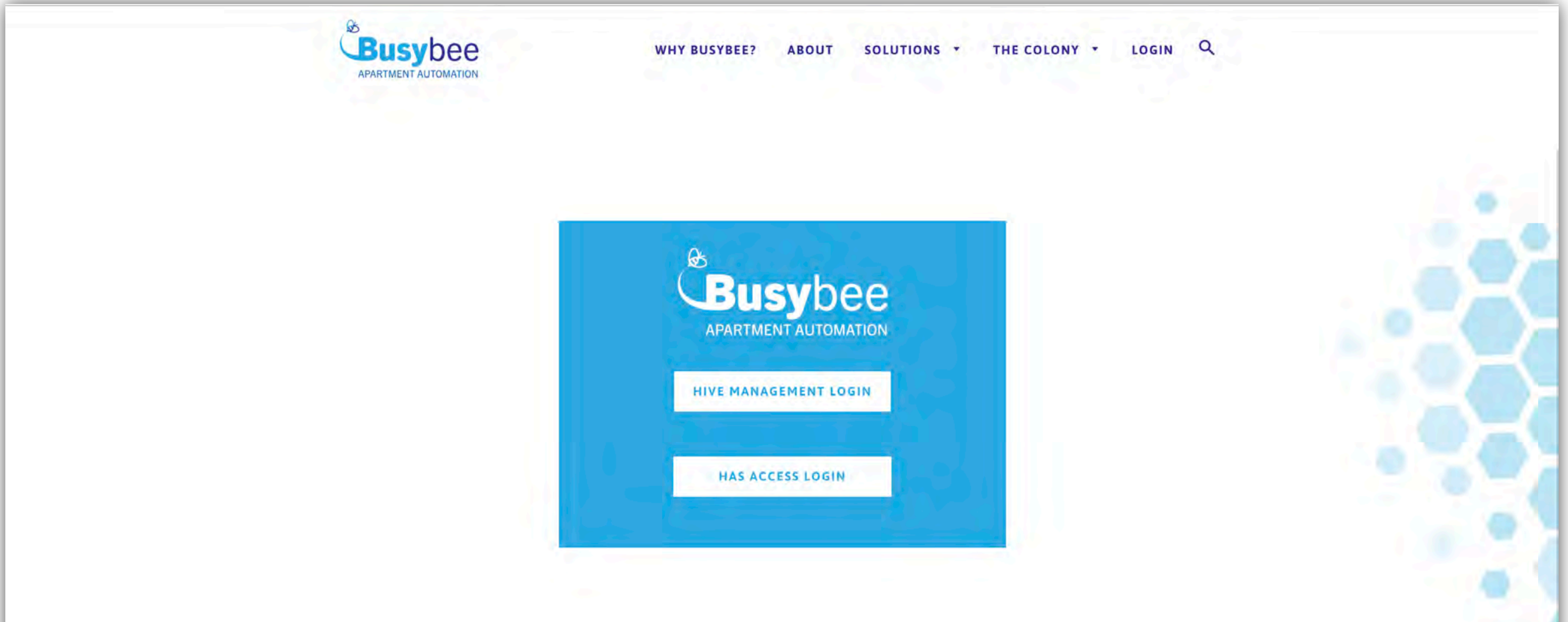
How to Login

After receiving the automated activation email and creating your account you will have access to **THE HIVE Management Dashboard**.

The HIVE Management Dashboard is accessible via any device using your web browser. The Hive Management Dashboard login is found directly on the Busybee Automation Website.

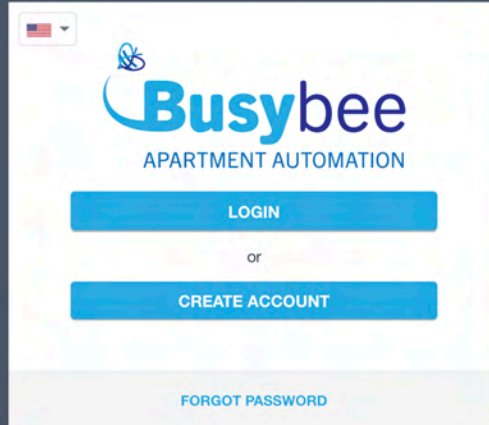


This will direct you to choose which login you would like to access. Super Administrators and Maintenance Supervisors will choose “**Hive Management Login**” to have access to the full Hive dashboard. Has Access and Temporary Access users will select “**Has Access Login**” to enter our quick access module to lock/unlock doors.



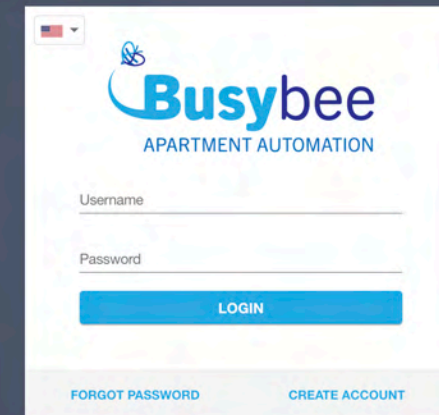
These are the separate login pages you will be directed to depending on the login you select

Has Access Login



The screenshot shows a login page for Busybee Apartment Automation. At the top left is a small flag icon with a dropdown arrow. The logo 'Busybee' is in blue, with 'APARTMENT AUTOMATION' in smaller blue text below it. There are two blue buttons: 'LOGIN' and 'CREATE ACCOUNT', separated by the word 'or'. At the bottom, there is a link for 'FORGOT PASSWORD'.

Hive Management Login



The screenshot shows a login page for Busybee Apartment Automation. At the top left is a small flag icon with a dropdown arrow. The logo 'Busybee' is in blue, with 'APARTMENT AUTOMATION' in smaller blue text below it. Below the logo are two input fields: 'Username' and 'Password'. There is a blue 'LOGIN' button. At the bottom, there are two links: 'FORGOT PASSWORD' and 'CREATE ACCOUNT'.

This is the Quick Access Module **Has Access** and **Temporary Users** will use.

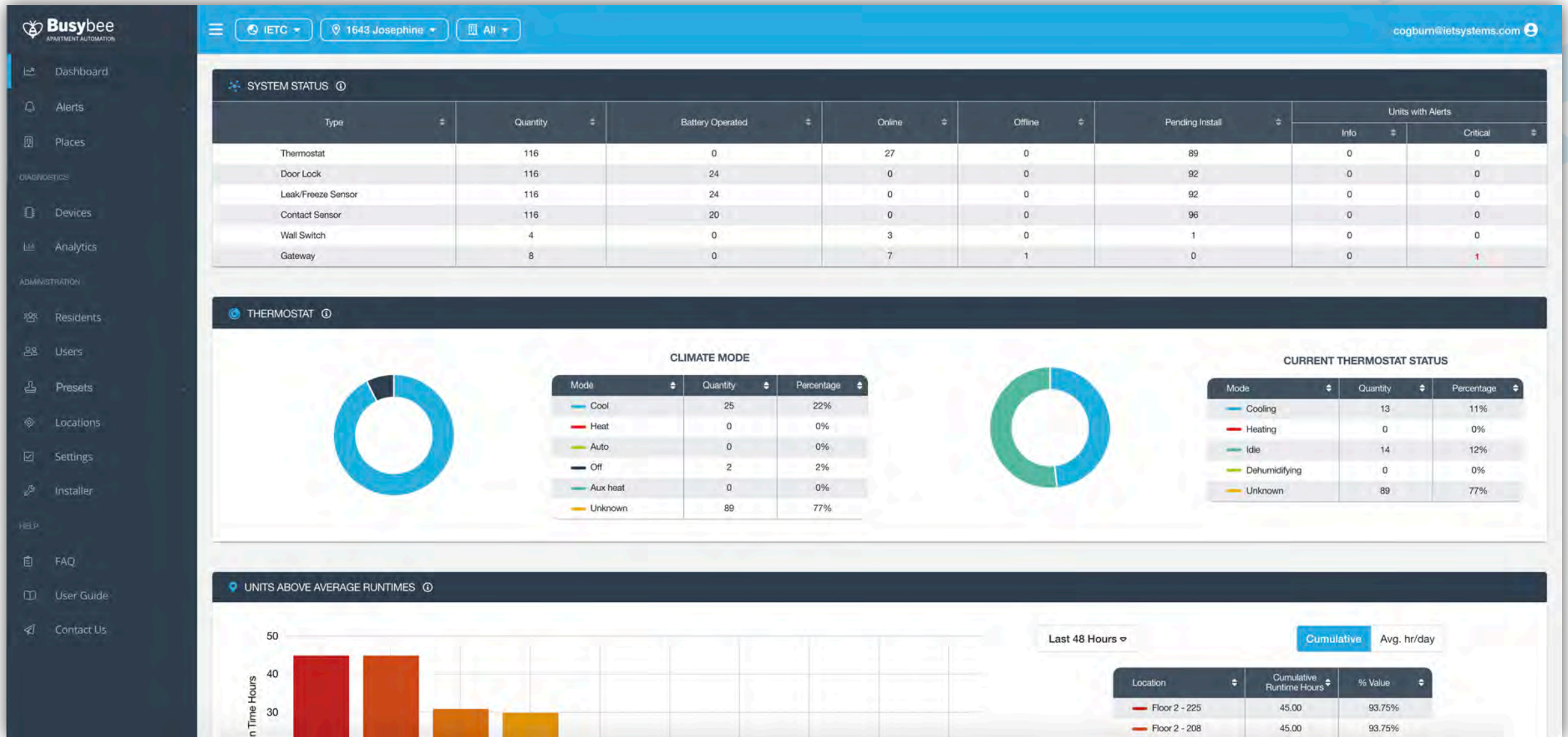
The screenshot displays the Quick Access Module interface. At the top, there is a blue header bar with three dropdown menus: 'Busybee', '1643 Josephine', and 'All'. To the right of these menus is a user profile icon. Below the header, the main content area shows a list of door locks. Each row represents a door lock with the following columns: '1643 Josephine' (property), 'Floor 2' (building), and a unit number (201, 202, 203, 204, 205). Each row also includes a 'Door Lock' status indicator (a green circle with a white dot) and a 'LOCKED' or 'UNLOCKED' status label. The first row (unit 201) is highlighted in blue and shows 'LOCKED'. The second row (unit 202) shows 'UNLOCKED'. The third row (unit 203) shows 'LOCKED'. The fourth row (unit 204) shows 'LOCKED'. The fifth row (unit 205) is not visible. At the bottom of the interface, there are two large blue buttons: 'LOCK' and 'UNLOCK'.

Property	Building	Unit	Status
1643 Josephine	Floor 2	201	LOCKED
1643 Josephine	Floor 2	202	UNLOCKED
1643 Josephine	Floor 2	203	LOCKED
1643 Josephine	Floor 2	204	LOCKED
1643 Josephine	Floor 2	205	

Items per page: 25 1 - 25 of 25

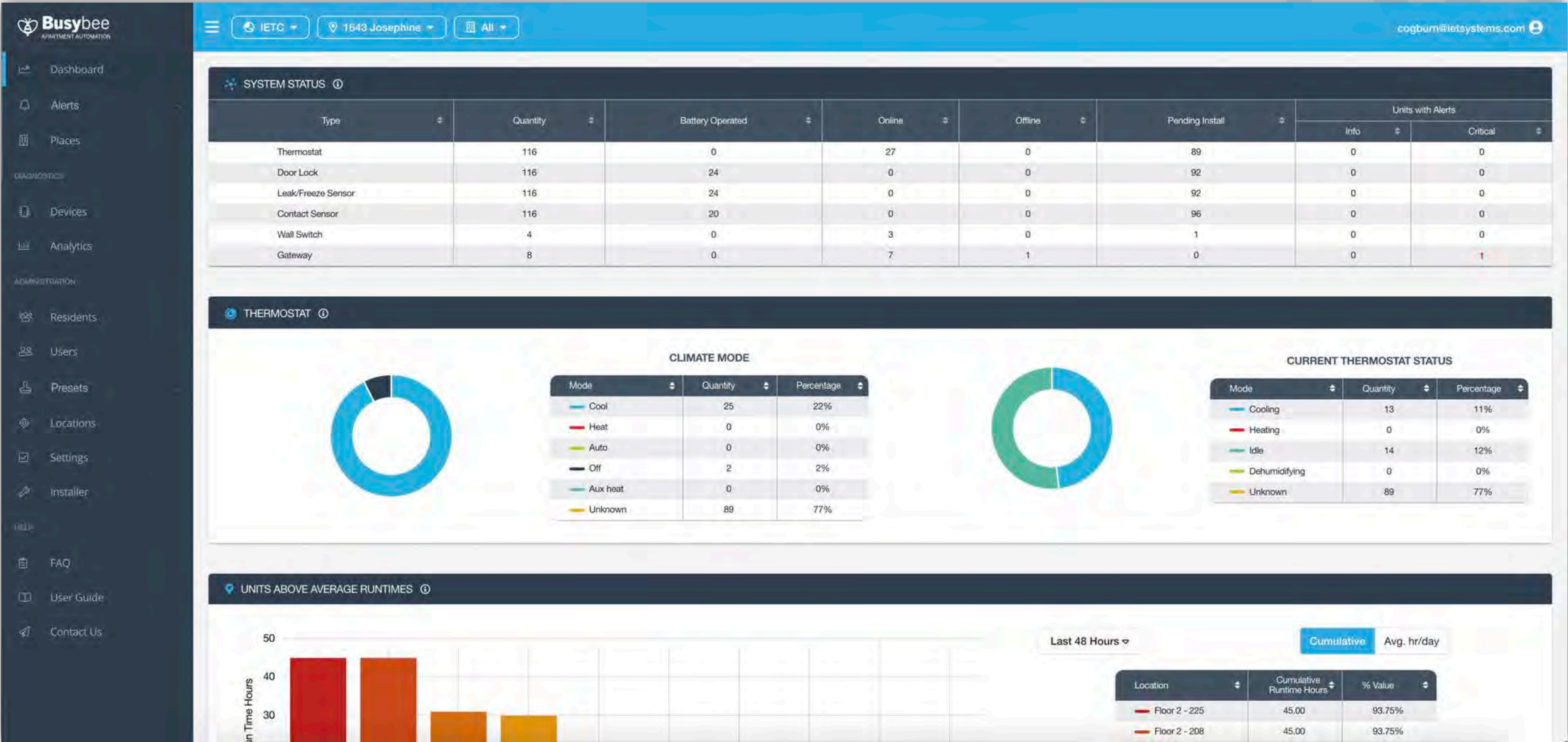
LOCK UNLOCK

This is the Hive Management Dashboard **Super Administrators** and **Maintenance Supervisors** will see.

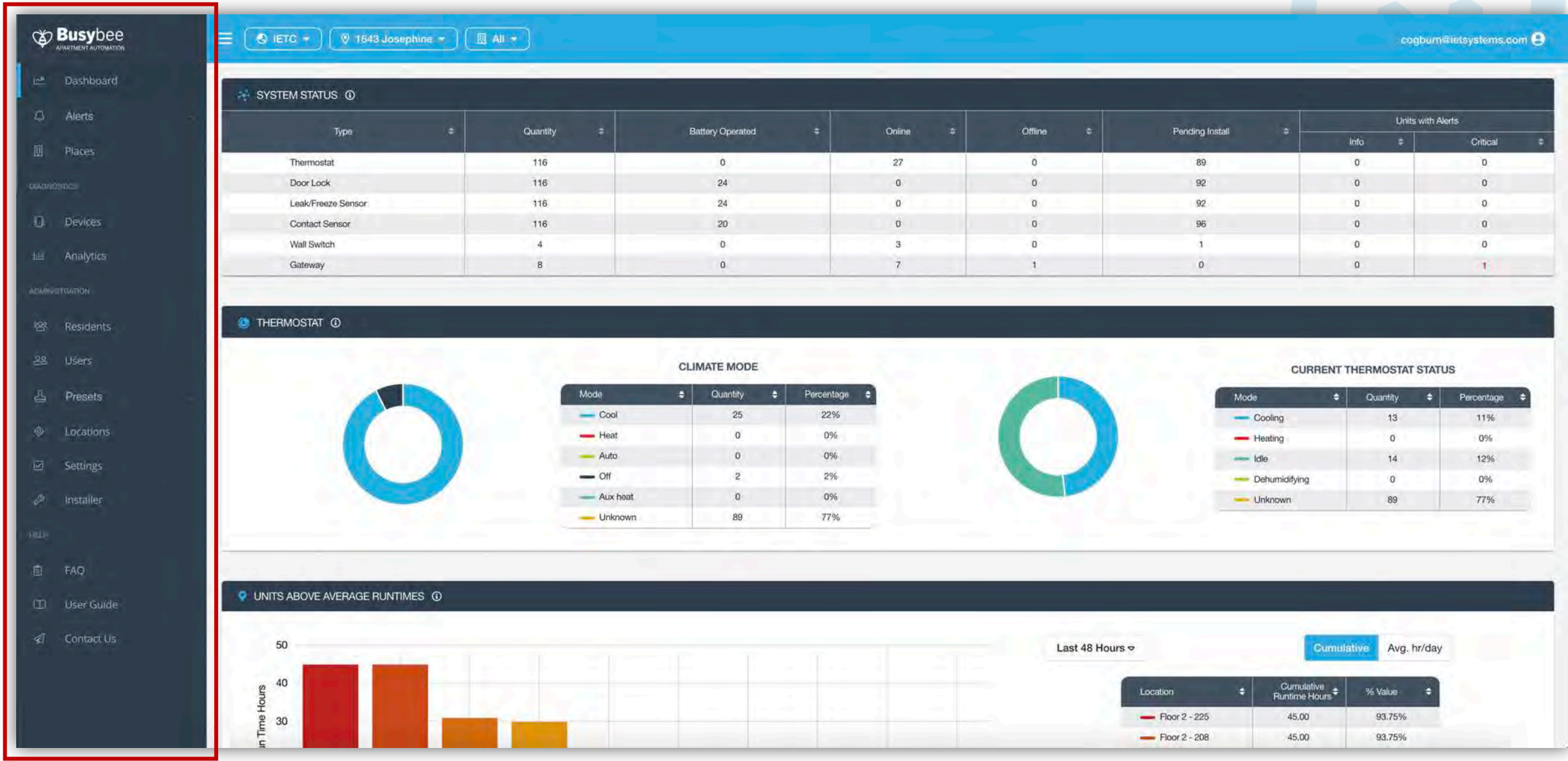


The Hive Management Dashboard

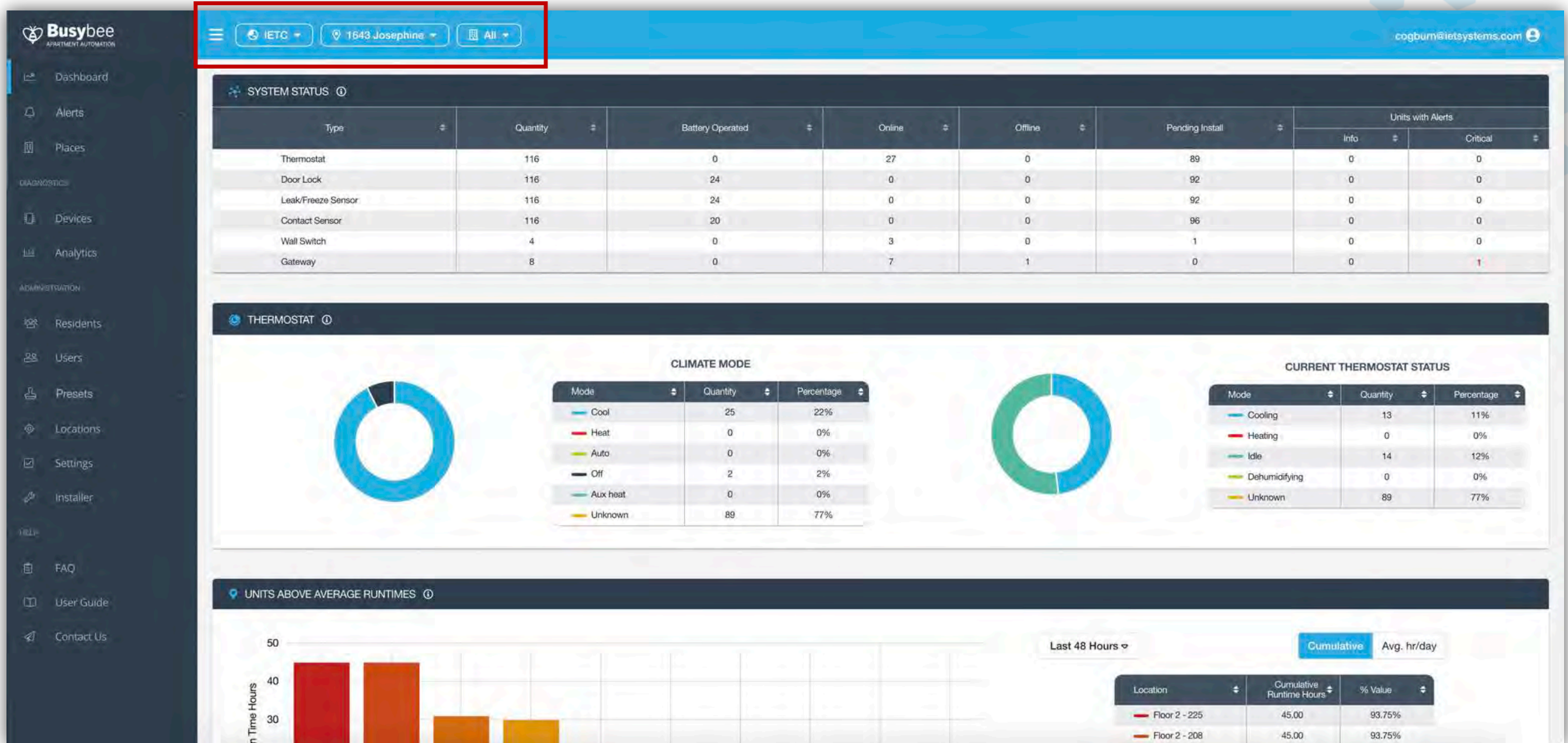
Once your login information is entered, you will see THE HIVE Summary Page.



To the left, you will see various “Task Tabs”



The top bar will indicate the Management Company, The Property, and specific Buildings/Floors



The top bar will indicate the Management Company, The Property, and specific Buildings/Floors

The screenshot displays the Busybee Apartment Automation dashboard. The top navigation bar includes the company logo, a menu icon, and three dropdown menus: 'IETC', '1643 Josephine', and 'All'. The left sidebar contains navigation links for Dashboard, Alerts, Places, DIAGNOSTICS, Devices, Analytics, and ADMINISTRATION. The main content area shows the 'SYSTEM STATUS' section with a table of device types and counts. A dropdown menu is open for the 'All' building selection, showing options for Floor 2, Floor 3, Floor 4, and Floor 5. The table below the dropdown shows the number of devices for each type across the selected floors.

Type	Count
Thermostat	4
Door Lock	8
Leak/Freeze Sensor	0
Contact Sensor	0
Wall Switch	0
Gateway	0

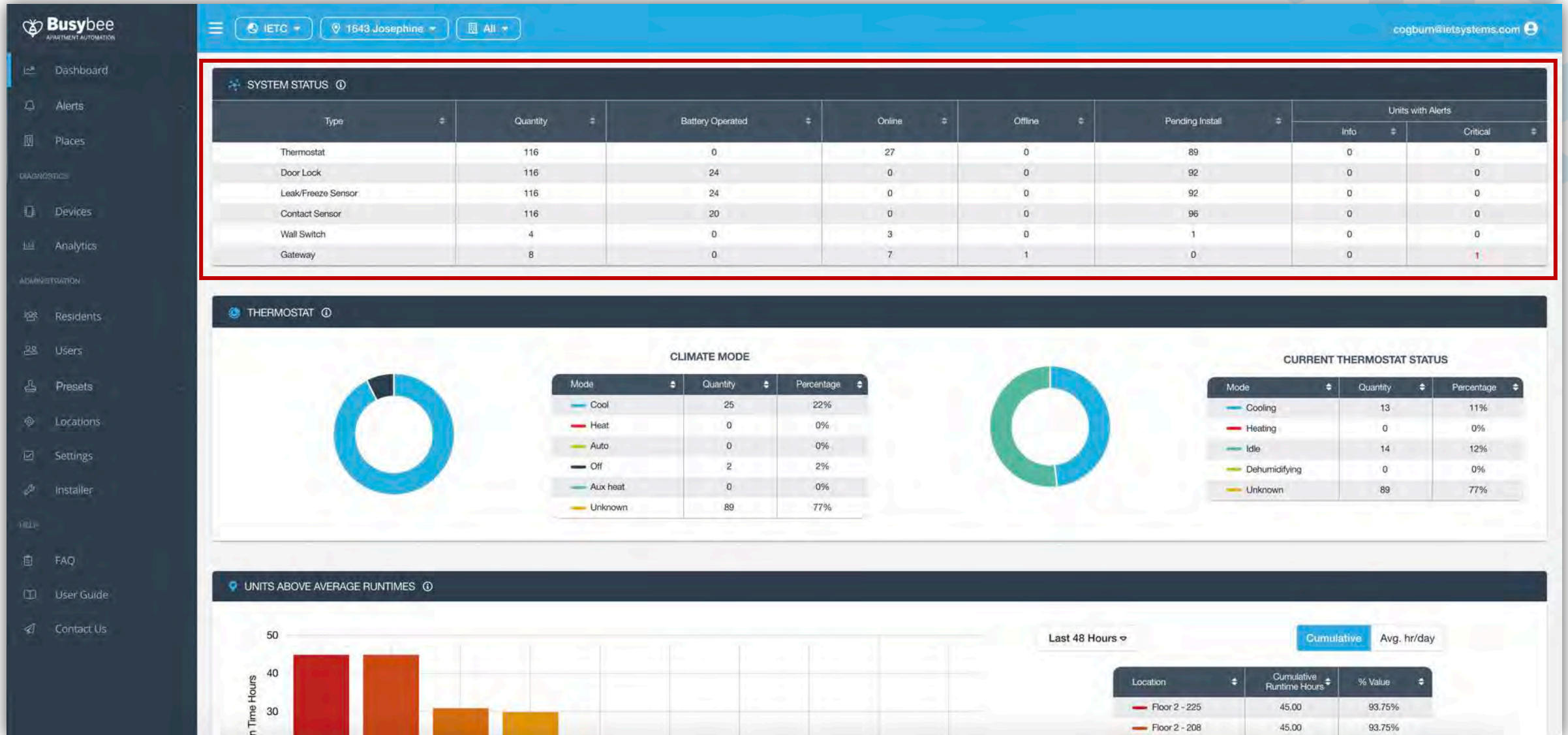
Showing 4 of 4 buildings for the 1643 Josephine property

- All
- Floor 2
- Floor 3
- Floor 4
- Floor 5

Battery Operated	Count
0	24
24	24
20	0
0	0

THERMOSTAT

The first summary you will see is the **System Status Section**

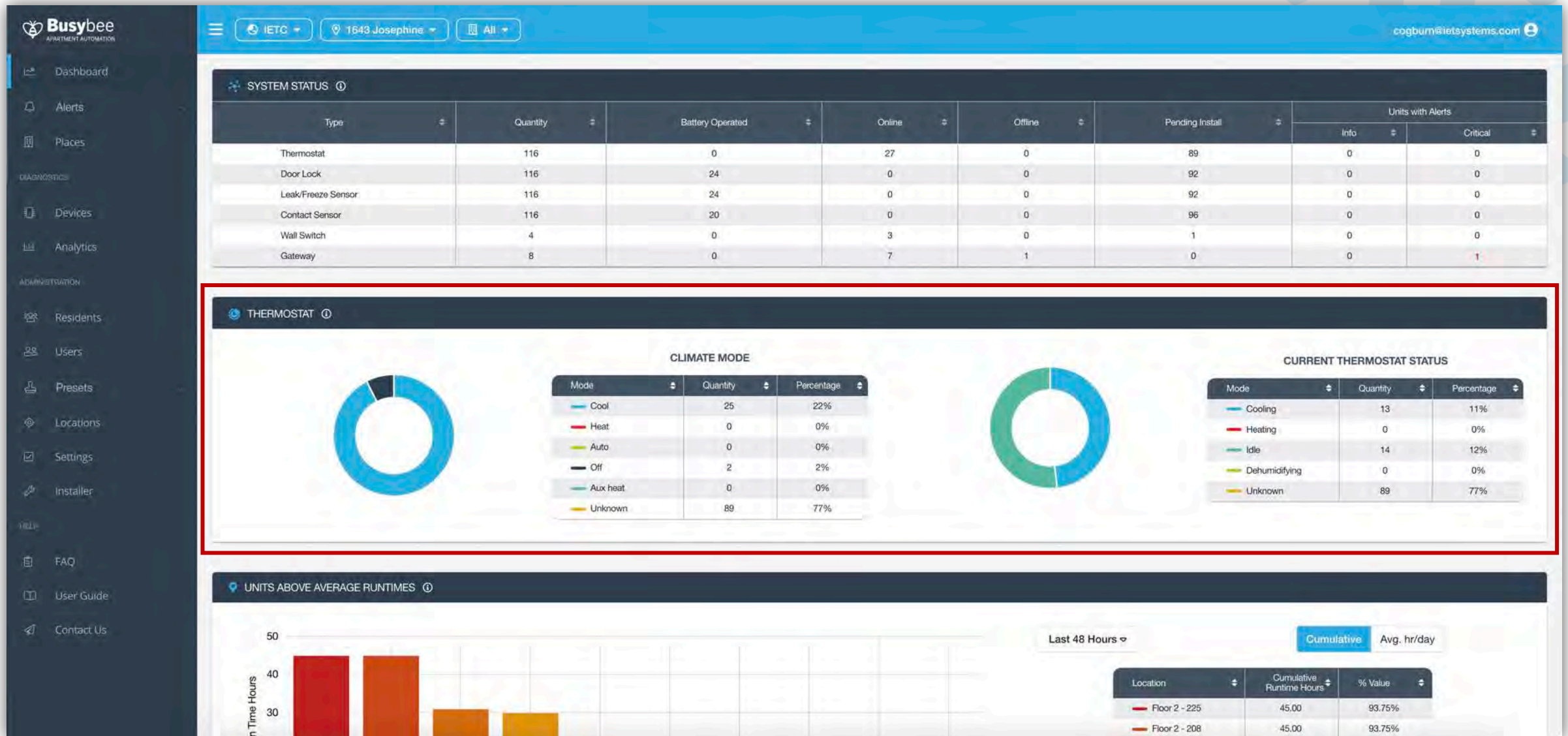


The first summary you will see is the **System Status Section**

SYSTEM STATUS ⓘ							
Type	Quantity	Battery Operated	Online	Offline	Pending Install	Units with Alerts	
						Info	Critical
Thermostat	116	0	27	0	89	0	0
Door Lock	116	24	0	0	92	0	0
Leak/Freeze Sensor	116	24	0	0	92	0	0
Contact Sensor	116	20	0	0	96	0	0
Wall Switch	4	0	3	0	1	0	0
Gateway	8	0	7	1	0	0	1

This is a real-time summary of devices configured for your property. You will be able to see connectivity status and active alerts for each device.

Next, directly below System Status, is the **Thermostat Section**



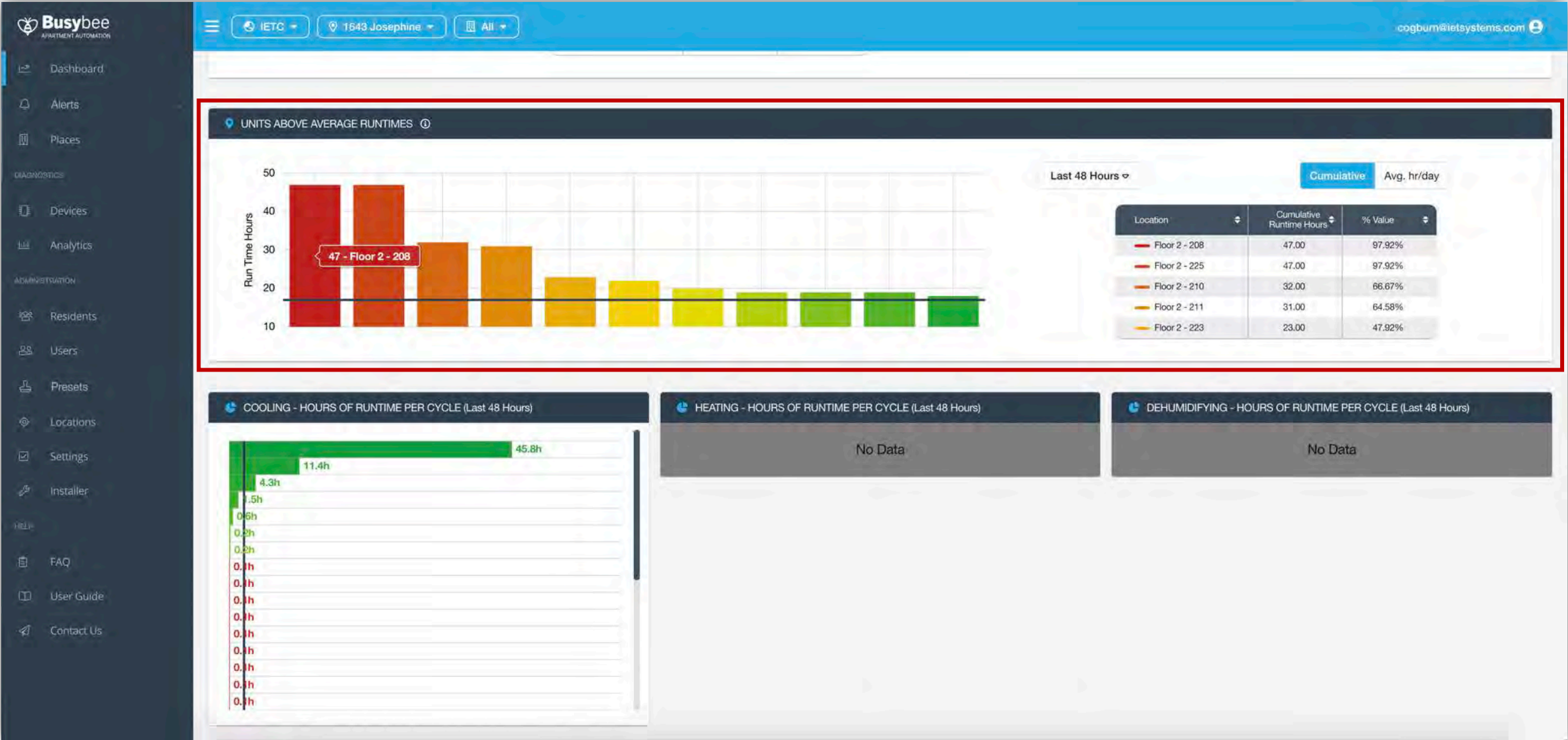
Next, directly below System Status, is the **Thermostat Section**



This section enables you to monitor all your thermostats in one convenient place.

- The **Climate Mode** pie chart shows you the number of units set to each specific climate mode.
- The **Current Thermostat Status** pie chart shows you the total number of units currently running with their specific status.

Next, directly below Thermostat Section, is the **Units Above Average Runtimes**

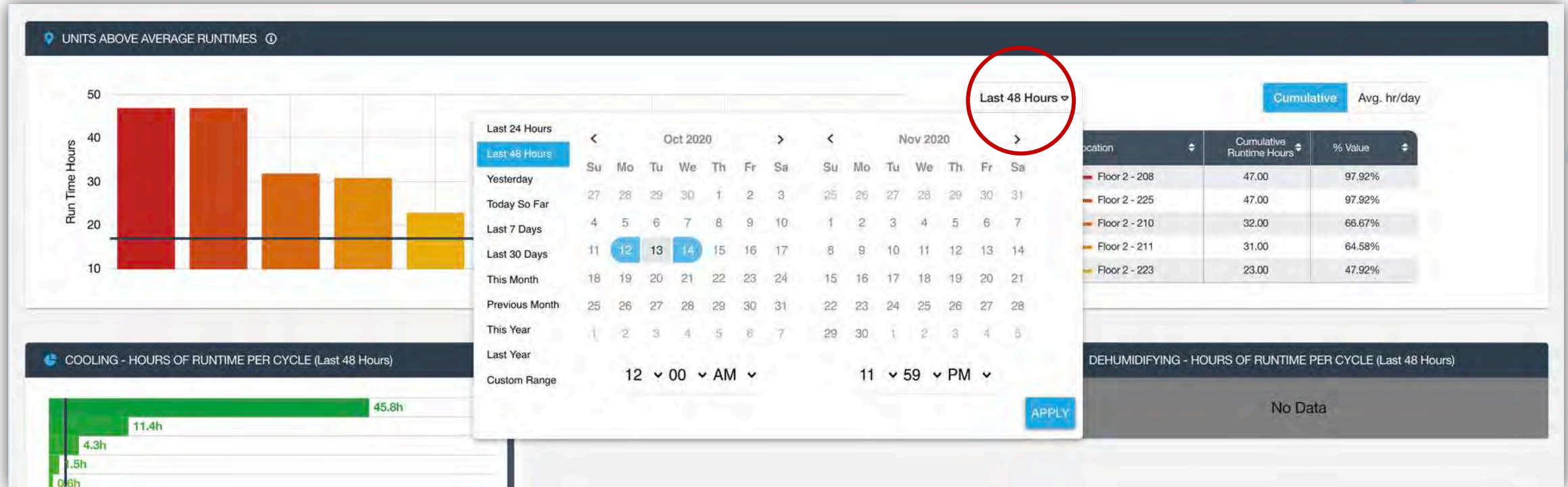


Units Above Average Runtimes



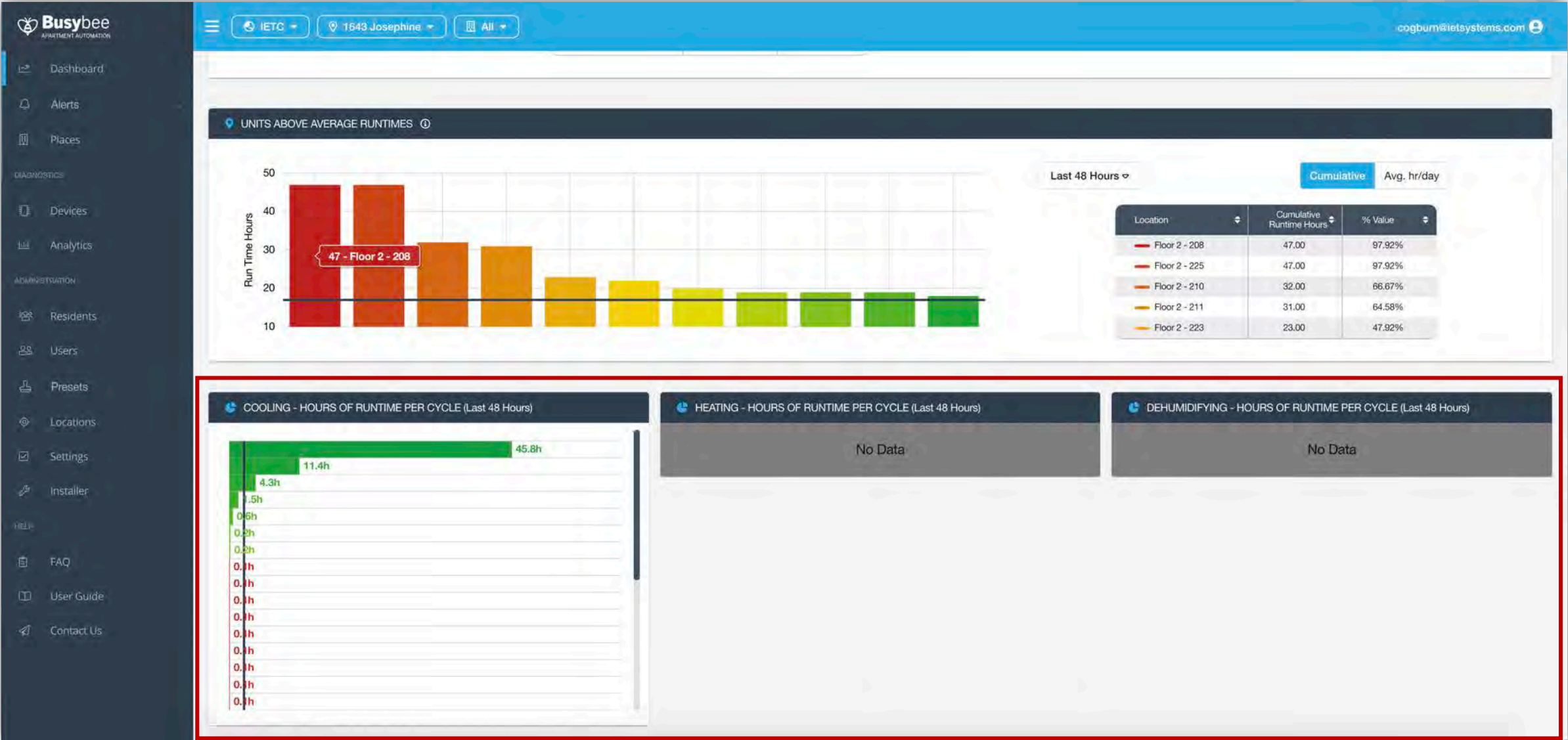
The Units Above Average Runtimes section indicates all units that exceed average runtime of the property. The Y-axis shows the runtime.

Units Above Average Runtimes

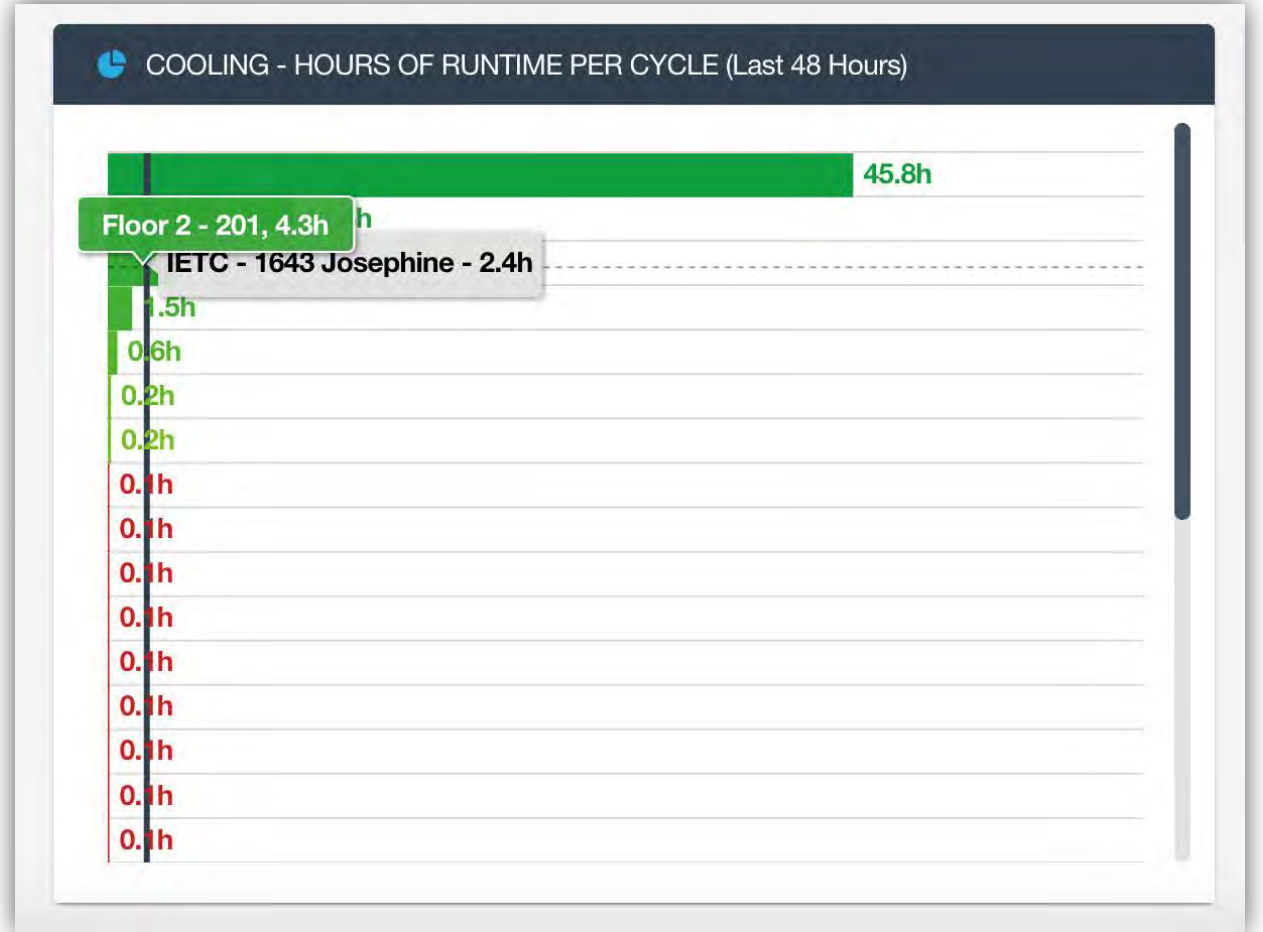


The scale can be adjusted to display total cumulative time or the average per hours per day according to the selected evaluation period.

Next, directly below Units Above Average Runtimes, is the **Hours Of Runtime Per Cycle**




In the Hours Of Runtime Per Cycle it is set to display the last 48 hours and is divided by set climate mode. You can hover over each line item to see the apartment number that corresponds with the specific data.



Archived Reports

[BACK TO TOP](#)

To access reports, select Archived Reports in the left Task Tab

**Busybee**
APARTMENT AUTOMATION

Dashboard

Alerts

Places

DIAGNOSTICS

Devices

Analytics

Archived Reports

ADMINISTRATION

Residents

Users

Presets

Locations

Settings

Installer

History

Bulk Jobs

HELP

FAQ

User Guide

Contact Us

Busybee

1643 Josephine


All

cogburn@letsystems.com

SYSTEM STATUS


Type	Quantity	Battery Operated	Online	Offline	Pending Install	Units with Alerts	
						Info	Critical
Thermostat	116	0	26	1	89	0	2
Door Lock	114	27	0	0	87	0	0
Leak/Freeze Sensor	114	24	0	0	90	0	0
Contact Sensor	114	21	0	0	93	0	0
Wall Switch	90	0	30	11	49	0	11
Gateway	8	0	5	3	0	0	3

THERMOSTAT



CLIMATE MODE


Mode	Quantity	Percentage
Cool	3	3%
Heat	20	17%
Auto	0	0%
Off	3	3%
Aux heat	0	0%
Unknown	90	78%



CURRENT THERMOSTAT STATUS

Mode	Quantity	Percentage
Cooling	0	0%
Heating	5	4%
Idle	21	18%
Dehumidifying	0	0%
Unknown	90	78%

UNITS ABOVE AVERAGE RUNTIMES



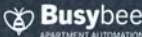
Last 48 Hours

Cumulative

Avg. hr/day

Location	Cumulative Runtime Hours	% Value
Floor 2 - 215	31.00	64.58%
Floor 2 - 221	16.00	33.33%

This is the Archived Reports Page. All reports are generated on a weekly basis and can be identified by the date to the right of the report

 **Busybee**
APARTMENT AUTOMATION

Dashboard

Alerts

Places

DIAGNOSTICS

Devices

Analytics

Archived Reports

ADMINISTRATION

Residents

Users

Presets

Locations

Settings

Installer

History

Bulk Jobs

HELP

FAQ

User Guide

Contact Us



Busybee

1643 Josephine

All

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Archived Reports



Alerts <small>name</small>	Weekly report of critical Alerts <small>description</small>	12/06/2020 <small>the week of</small>	DOWNLOAD
Units in Need <small>name</small>	Weekly report of units that may need servicing <small>description</small>	12/06/2020 <small>the week of</small>	DOWNLOAD
Alerts <small>name</small>	Weekly report of critical Alerts <small>description</small>	11/29/2020 <small>the week of</small>	DOWNLOAD
Units in Need <small>name</small>	Weekly report of units that may need servicing <small>description</small>	11/29/2020 <small>the week of</small>	DOWNLOAD
Alerts <small>name</small>	Weekly report of critical Alerts <small>description</small>	11/22/2020 <small>the week of</small>	DOWNLOAD
Units in Need <small>name</small>	Weekly report of units that may need servicing <small>description</small>	11/22/2020 <small>the week of</small>	DOWNLOAD
Alerts <small>name</small>	Weekly report of critical Alerts <small>description</small>	11/15/2020 <small>the week of</small>	DOWNLOAD
Units in Need <small>name</small>	Weekly report of units that may need servicing <small>description</small>	11/15/2020 <small>the week of</small>	DOWNLOAD
Alerts <small>name</small>	Weekly report of critical Alerts <small>description</small>	11/08/2020 <small>the week of</small>	DOWNLOAD

Items per page: 25

1 - 25 of 64



To download a report, select the “Download” button to the right of each report

The screenshot displays the Busybee Apartment Automation web interface. On the left is a dark sidebar with navigation links: Dashboard, Alerts, Places, DIAGNOSTICS (Devices, Analytics, Archived Reports), ADMINISTRATION (Residents, Users, Presets, Locations, Settings, Installer, History, Bulk Jobs), and HELP (FAQ, User Guide, Contact Us). The main content area has a blue header with a menu icon, 'Busybee' logo, location '1843 Josephine', filter 'All', and user 'cogburn@ietsystems.com'. Below the header, the title 'Archived Reports' is followed by a table of reports. The table has three columns: report type/name, description, and date. Each row includes a 'DOWNLOAD' button. The first 'DOWNLOAD' button is highlighted with a red rectangle. The footer shows 'Items per page: 25' and '1 - 25 of 64'.

Report Name	Description	Date	Action
Alerts	Weekly report of critical Alerts	12/06/2020 the week of	DOWNLOAD
Units in Need	Weekly report of units that may need servicing	12/06/2020 the week of	DOWNLOAD
Alerts	Weekly report of critical Alerts	11/29/2020 the week of	DOWNLOAD
Units in Need	Weekly report of units that may need servicing	11/29/2020 the week of	DOWNLOAD
Alerts	Weekly report of critical Alerts	11/22/2020 the week of	DOWNLOAD
Units in Need	Weekly report of units that may need servicing	11/22/2020 the week of	DOWNLOAD
Alerts	Weekly report of critical Alerts	11/15/2020 the week of	DOWNLOAD
Units in Need	Weekly report of units that may need servicing	11/15/2020 the week of	DOWNLOAD
Alerts	Weekly report of critical Alerts	11/08/2020 the week of	DOWNLOAD

The downloaded report will appear in a new tab where you can save and print

1643 Josephine / Data collected over 7 days, 12/06/2020 00:00 through 12/12/2020 23:59

ALERTS REPORT

Excessive Humidity:

Building	Unit	Highest Humidity Level	Current Humidity Level	Start date /time	Duration (until now)
Floor 2	219	77%	75%	12/11/2020 07:45	a day

Excessive Humidity – The excessive humidity alert indicates that the humidity level inside your unit has remained above 65% for 24h or more. Your HVAC is not removing moisture from the air effectively and that can make your unit feel warmer than it actually is.

High humidity for an extended period of time can be conducive to mold growth in the right circumstances. If a unit has humidity consistently over 65% and an ambient temperature at or above 80 °F, mold can begin to grow after 24h at these conditions. Excessive humidity alerts are usually triggered in warm weather climates and are sometimes indicative of a unit needing more insulation or a resident having left a door/window open.

Extreme Cold:

Nothing To See Here

No Extreme Cold alerts were found. Nice work!

Excessive Cold – To prevent damage due to freezing you can set an Extreme Cool Alert. This alert indicates that the internal temperature inside your unit stays below <THRESHOLD> °F and is abnormally cold. This alert can be caused by a wiring issue between the HVAC and thermostat, a unit that has the thermostat turned off or disconnected during a cold day, or a unit with a window/door that was left open erroneously.

Extreme Heat:

Nothing To See Here

No Extreme Heat alerts were found. Nice work!

Excessive Heat – To prevent damage due to excessive heat you can set an Extreme Heat Alert. This alert indicates that the internal temperature inside your unit remains above <THRESHOLD> °F and is abnormally warm. This alert can be caused by a wiring issue between the HVAC and thermostat, a failing HVAC that is blowing hot air when cold air is called for, a unit that has the thermostat turned off or disconnected during a hot day, or a unit with a window/door that was left open erroneously.

Excessive Runtime:

Open in Acrobat

Reporting Examples

There are three weekly reports that are generated



Unresolved Alerts Report



Critical Alerts Report

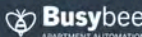


Units in Need Report



Reporting Examples: Unresolved Alerts Report

Once the appropriate action is taken, the alert can be selected as "resolved".

 **Busybee**
APARTMENT AUTOMATION

Dashboard

Alerts

Review

Configure

Places

DIAGNOSTICS

Devices

Analytics

IETC

1643 Josephine

All

cogburn@ietsystems.com

Alerts

critical

status

Excessive Runtime

alert name

Floor 2

building

208

unit

19 hours

duration

10/14/2020 02:50 PM

created at

10/14/2020 02:50 PM

last updated

...

critical

status

Gateway Offline

alert name

Floor 3

building

Telco 2

unit

a month

duration

09/01/2020 11:06 AM

created at

09/01/2020 11:06 AM

last updated

...

resolved

status

Not Cooling

alert name

Floor 2

building

208

unit

12 hours

duration

10/14/2020 08:35 PM

created at

10/15/2020 08:47 AM

last updated

...

resolved

status

Not Cooling

alert name

Floor 2

building

208

unit

a minute

duration

10/14/2020 08:33 PM

created at

10/14/2020 08:34 PM

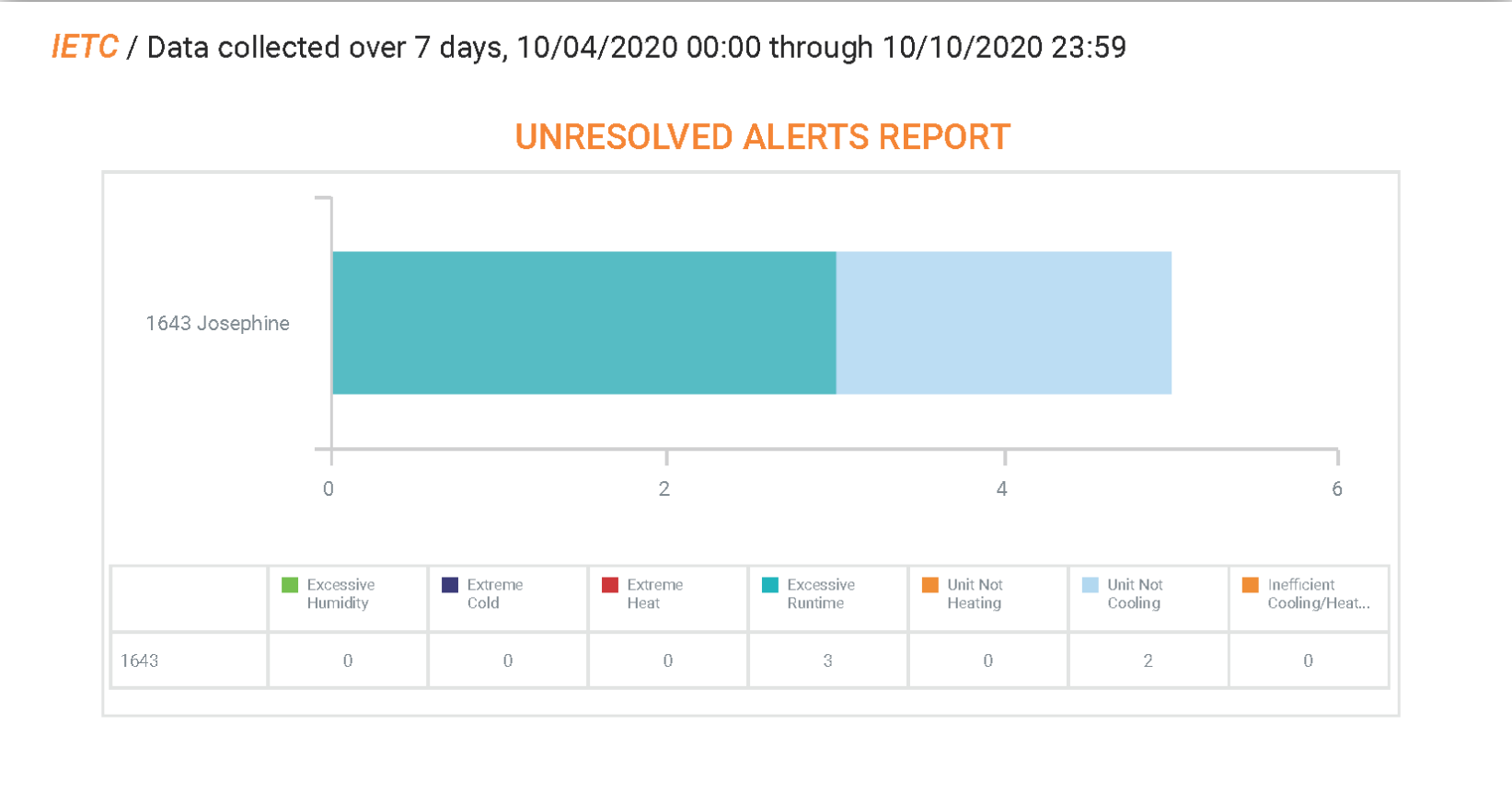
last updated

...

19 hours duration	10/14/2020 02:50 PM created at	10/14/2020 02:50 PM last updated	...
a month duration	09/01/2020 11:06 AM created at	09/01/2020 11:06 AM last updated	resolve

Reporting Examples: Unresolved Alerts Report

Any alerts that were not resolved and left outstanding for that week are reported on the weekly unresolved alerts report.



Reporting Examples: Critical Alerts Report

Critical Alerts are those that need immediate attention: Excessive Humidity, Extreme Cold, Extreme Heat, Excessive Runtime, Unit Not Heating, Unit Not Cooling, Inefficient Cooling/Heating

Data collected at 1643 Josephine over 7 days, 10/04/2020 through 10/10/2020 indicated:

Excessive Runtime:

Building	Unit	Runtime Threshold	Total alert counts*	Avg. Runtime per event
Floor 2	210	3 hours	1	4 days
Floor 2	208	3 hours	2	3 days
Floor 2	227	3 hours	2	3 days
Floor 2	217	3 hours	2	9 hours

Reporting Examples: Critical Alerts Report

Data collected at 1643 Josephine over 7 days, 10/04/2020 through 10/10/2020 indicated:

Unit Not Cooling:

Building	Unit	Setpoint/Ambient Temp	Start date /time	Duration (until now)
Floor 2	227	70°F / 74.3°F	01/19/1970 13:06	7 hours
Floor 2	208	63°F / 76.1°F	01/19/1970 13:05	11 hours
Floor 2	210	62°F / 77°F	01/19/1970 13:05	19 hours

Unit Not Cooling – Units where the setpoint is not reached after 2h+, or when the ambient temperature keeps rising even while cooling is engaged, trigger the Unit Not Cooling Alert. This may be caused by an issue with the HVAC (coil needs cleaning or filter needs replacement, etc.), or there may be an environmental issue in that unit (window/door open, window/door needs sealing or weather stripping) since the system is trying to cool and the set point is not being reached. The resident in the room may also be setting a set point that is unobtainable based on the environmental weather conditions in your area.

Reporting Examples: Critical Alerts Report

Data collected at 1643 Josephine over 7 days, 10/04/2020 through 10/10/2020 indicated:

Inefficient Cooling/Heating:

Building	Unit	Runtime During Period	Period	Start date /time
Floor 2	210	62°F / 77°F	a day	3 days
Floor 2	208	63°F / 76.1°F	a day	2 days
Floor 2	227	70°F / 74.3°F	a day	2 days

Inefficient Cooling/Heating – Except when the weather is extremely hot or cold, the average well-serviced HVAC will still run for close than half a day to maintain its setpoints. Units where the percentage of runtime during a certain duration exceed the set thresholds trigger the Inefficient Unit alert. By default, this alert will trigger any time the unit runs more than 65% of the time over any 24h period. This may be caused by an issue with the HVAC (coil needs cleaning or filter needs replacement, etc.), or there may be an environmental issue in that unit (window/door open, window/door needs sealing or weather stripping).. The resident in the room may also be setting a set point that is unobtainable based on the environmental weather conditions in your area.

Reporting Examples: Units in Need Report

This weekly report indicates units that may need to be serviced. This is based on: Greater than 12 hours of consecutive runtime, Units consistently not reaching set-point, Units with the most Cycles, Inefficient Cooling/Heating, Units with the longest Average Cycle Time, Units with the most Alerts triggered, Units with Auxiliary Heat

Data collected at 1643 Josephine over 7 days, 10/04/2020 through 10/10/2020 indicated:

Greater than 12 hours of consecutive runtime:

Building	Unit	Start date /time	Duration
Floor 2	210	10/07/2020 15:59	4 days
Floor 2	227	10/05/2020 18:07	3 days
Floor 2	208	10/05/2020 03:18	3 days
Floor 2	217	10/09/2020 19:26	17 hours

Excessive Runtime – The units listed above had sessions of extended consecutive runtime. These units are running less than optimally. You may need to service these units and apply preventative maintenance. A unit with excessive runtime can generate a high energy expenditure in addition to potential damages to the equipment. If you have a unit constantly triggering Excessive Runtime alerts it is likely the setpoint they are trying to achieve is unobtainable based on the environmental conditions, the HVAC may need some routine maintenance such as coil cleaning or a new filter, or the HVAC is undersized for the unit.

Reporting Examples: Units in Need Report

Data collected at 1643 Josephine over 7 days, 10/04/2020 through 10/10/2020 indicated:

Units consistently not reaching set-point:

Building	Unit	Unit not Heating Alert Total	Unit not Cooling Alert Total	Start date /time
Floor 2	227	-	22	10/04/2020 00:31
Floor 2	210	-	22	10/07/2020 15:59
Floor 2	208	-	21	10/05/2020 03:18
Floor 2	225	-	18	10/04/2020 03:39
Floor 2	217	-	3	10/09/2020 19:26

Set-point Unreachable – Units where the setpoint is not reached after 2h+, or when the ambient temperature keeps going in the opposite direction of the climate mode, trigger the Unit Not Heating/Cooling Alert. This may be caused by an issue with the HVAC (coil needs cleaning or filter needs replacement, etc.), or there may be an environmental issue in that unit (window/door open, window/door needs sealing or weather stripping) since the set point is not being reached. The resident in the room may also be setting a set point that is unobtainable based on the environmental weather conditions in your area.

Reporting Examples: Units in Need Report

Data collected at 1643 Josephine over 7 days, 10/04/2020 through 10/10/2020 indicated:

Building	Unit	Amount of Cycles	Average Cycle Time
Floor 2	211	13	0.1 h
Floor 2	218	9	0.1 h
Floor 2	215	7	0.0 h
Floor 2	221	7	0.0 h
Floor 2	224	7	0.0 h
Floor 2	203	6	0.0 h
Floor 2	209	6	0.0 h
Floor 2	219	6	0.0 h
Floor 2	220	6	0.0 h
Floor 2	228	5	0.0 h

Units with the most Cycles

Units with the most Alerts triggered:

Building	Unit	Amount of Alerts	Average Resolution Time
Floor 2	227	24	9 hours
Floor 2	208	23	11 hours
Floor 2	210	22	2 hours
Floor 2	225	18	8 hours
Floor 2	217	5	7 hours
Floor 2	206	2	2 hours
Floor 2	222	1	2 days
Floor 2	219	1	20 hours
Floor 2	207	1	3 hours
Floor 2	221	1	6 minutes

Analytics

[BACK TO TOP](#)

Select "Analytics" in the left Task Tab

Busybee
APARTMENT AUTOMATION

Dashboard
Alerts
Places
DIAGNOSTICS
Devices
Analytics
Archived Reports
ADMINISTRATION
Residents
Users
Presets
Locations
Settings
Installer
History
Bulk Jobs
HELP
FAQ
User Guide
Contact Us


Busybee 1643 Josephine All cogburn@letsystems.com

SYSTEM STATUS

Type	Quantity	Battery Operated	Online	Offline	Pending Install	Units with Alerts	
						Info	Critical
Thermostat	116	0	26	1	89	0	2
Door Lock	114	27	0	0	87	0	0
Leak/Freeze Sensor	114	24	0	0	90	0	0
Contact Sensor	114	21	0	0	93	0	0
Wall Switch	90	0	30	11	49	0	11
Gateway	8	0	5	3	0	0	3


THERMOSTAT

CLIMATE MODE



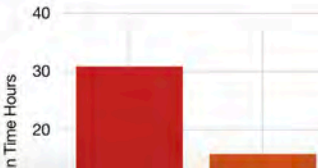
Mode	Quantity	Percentage
Cool	3	3%
Heat	20	17%
Auto	0	0%
Off	3	3%
Aux heat	0	0%
Unknown	90	78%

CURRENT THERMOSTAT STATUS



Mode	Quantity	Percentage
Cooling	0	0%
Heating	5	4%
Idle	21	18%
Dehumidifying	0	0%
Unknown	90	78%

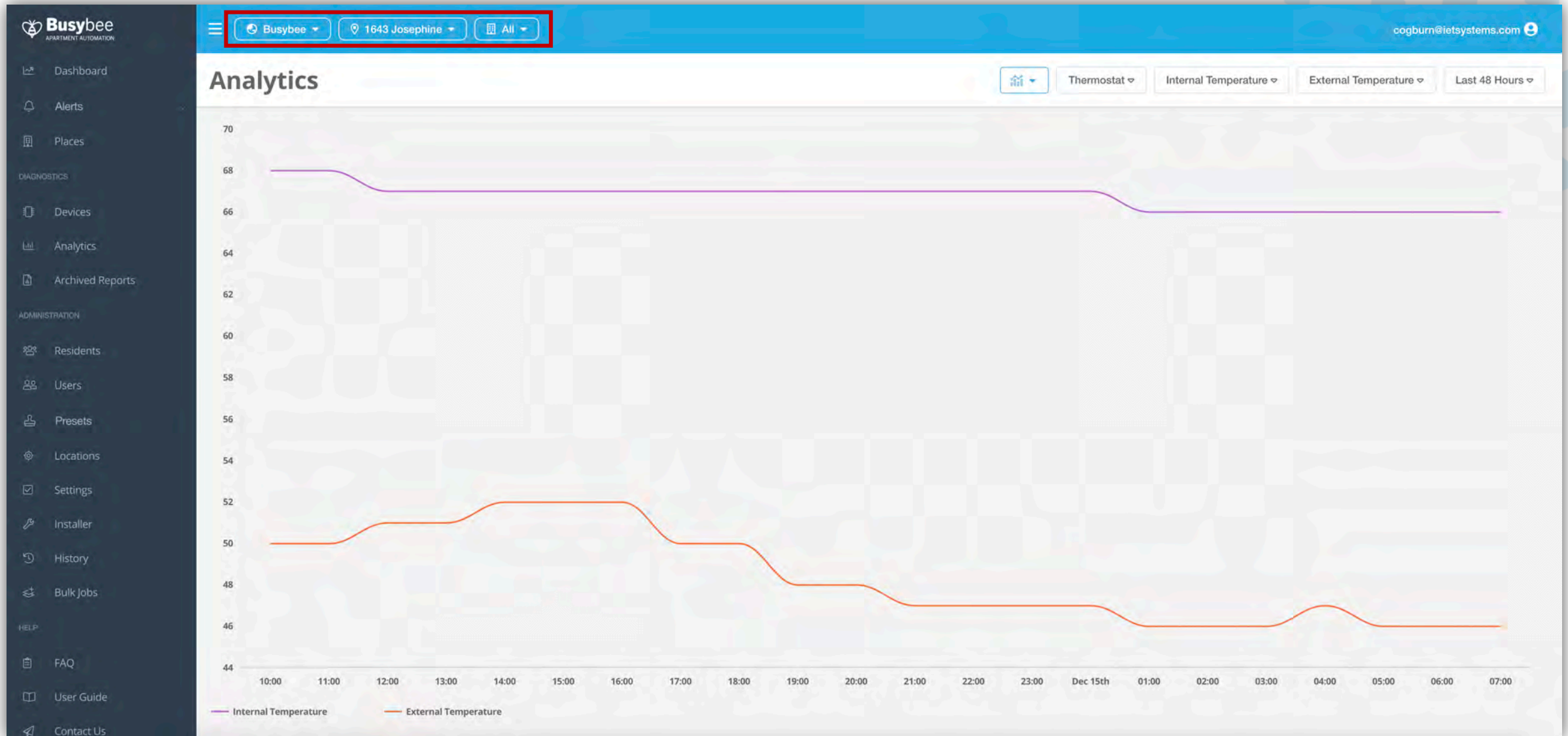
UNITS ABOVE AVERAGE RUNTIMES



Last 48 Hours Cumulative Avg. hr/day

Location	Cumulative Runtime Hours	% Value
Floor 2 - 215	31.00	64.58%
Floor 2 - 221	16.00	33.33%

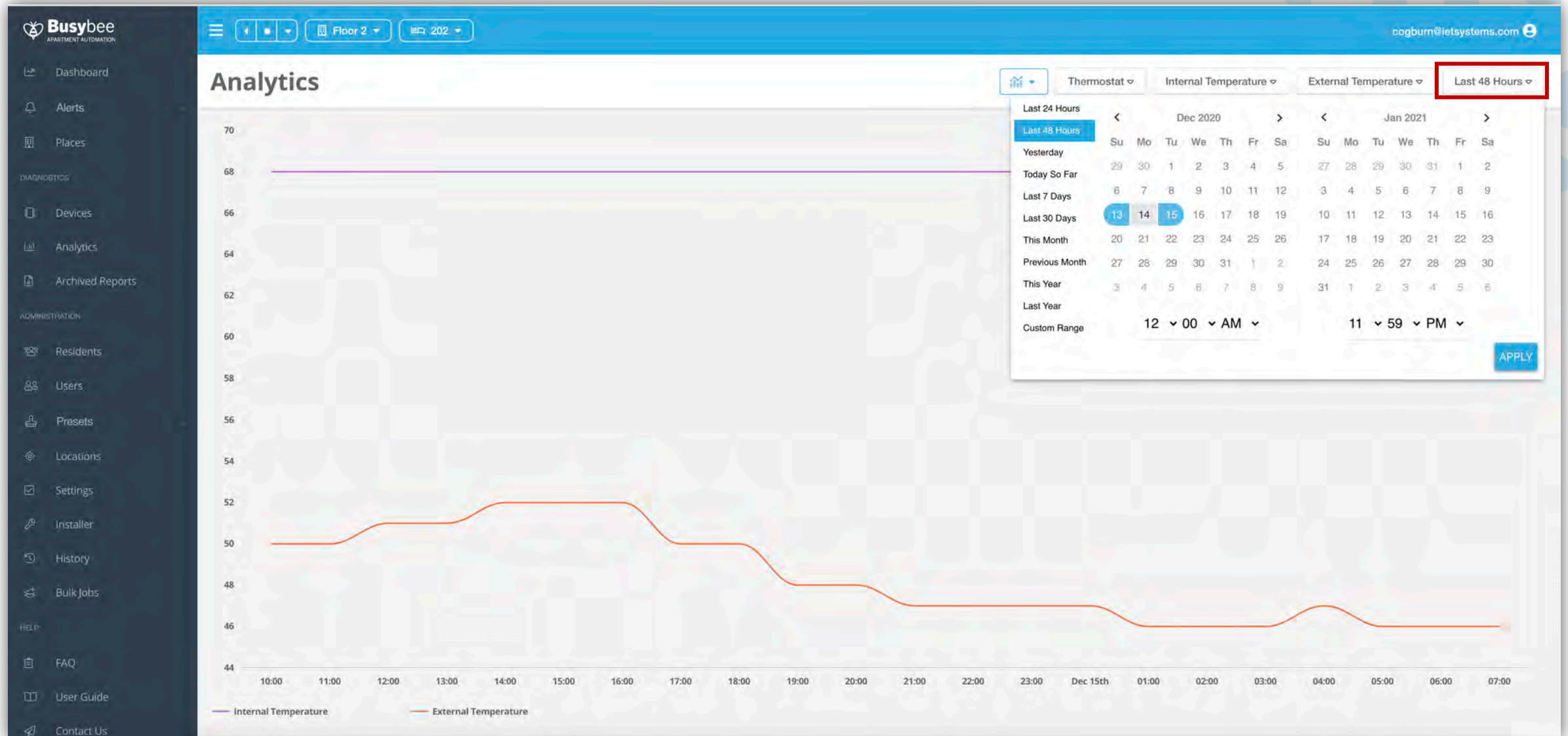
Use the top bar to narrow down the unit/units you would like to analysis



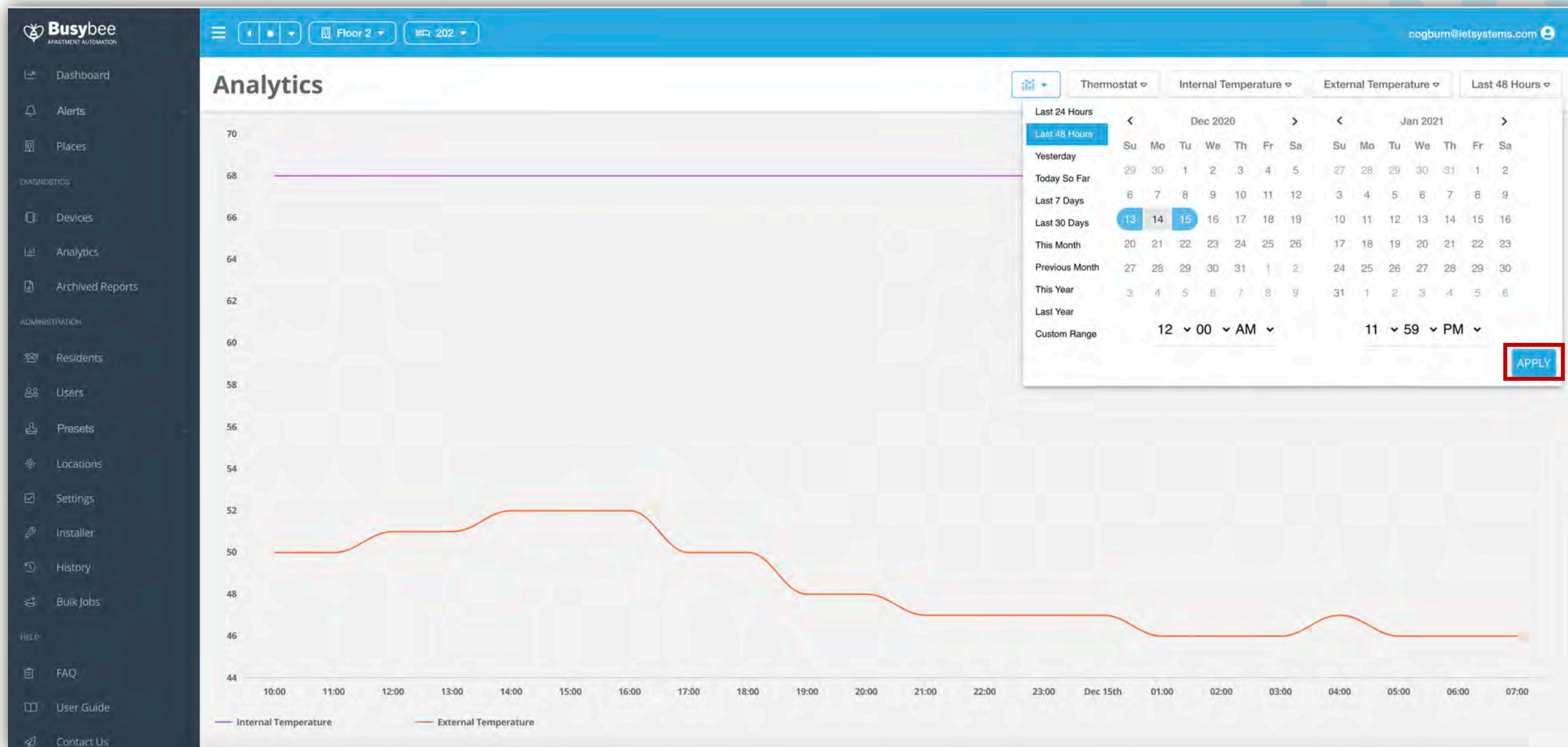
Use the drop-down menus to change the variables you would like to compare



Then select the time frame to include in the analysis



Once you have selected the time frame, select apply



How To Lock/Unlock Doors Using The HIVE Dashboard



Differences between “Has Access” and other User Types

The differences between “Has Access” Users and all other User Types such as “Super Administrator”, or “Maintenance Supervisor” are where to login and how to lock/unlock doors using the dashboard.

In this demonstration we will show both methods.



Lock/Unlock Doors Using The Has Access Dashboard

Step 1. Select the floor and unit you would like the access

Busybee

1643 Josephine

All

umasit11997@gmail.com

Items per page: 25

1 - 25 of 27

1643 Josephine	Floor 2	201
Door Lock		UNLOCKED
1643 Josephine	Floor 2	202
Door Lock		LOCKED
1643 Josephine	Floor 2	203
Door Lock		LOCKED
1643 Josephine	Floor 2	204
Door Lock		LOCKED
1643 Josephine	Floor 2	205

Device Name

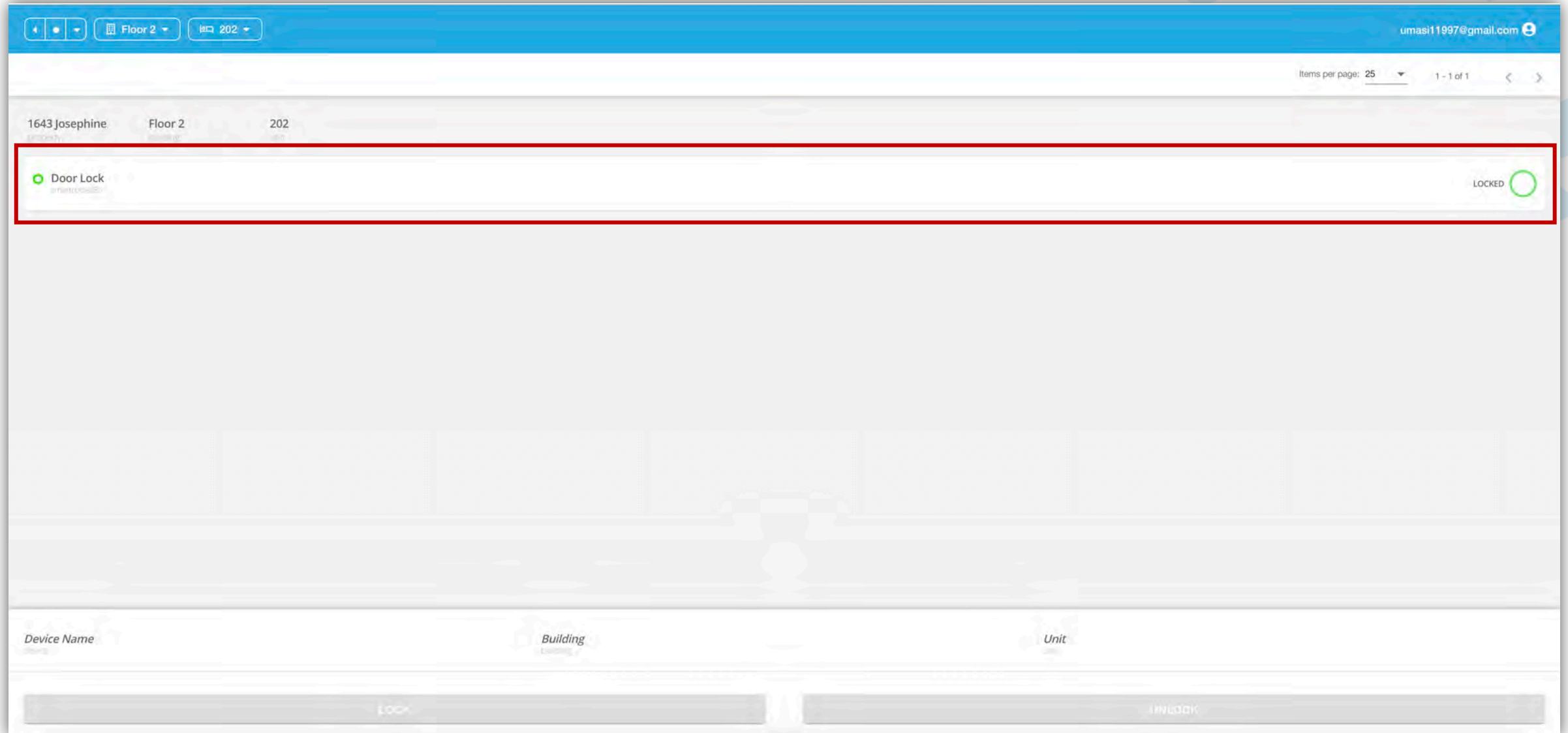
Building

Unit

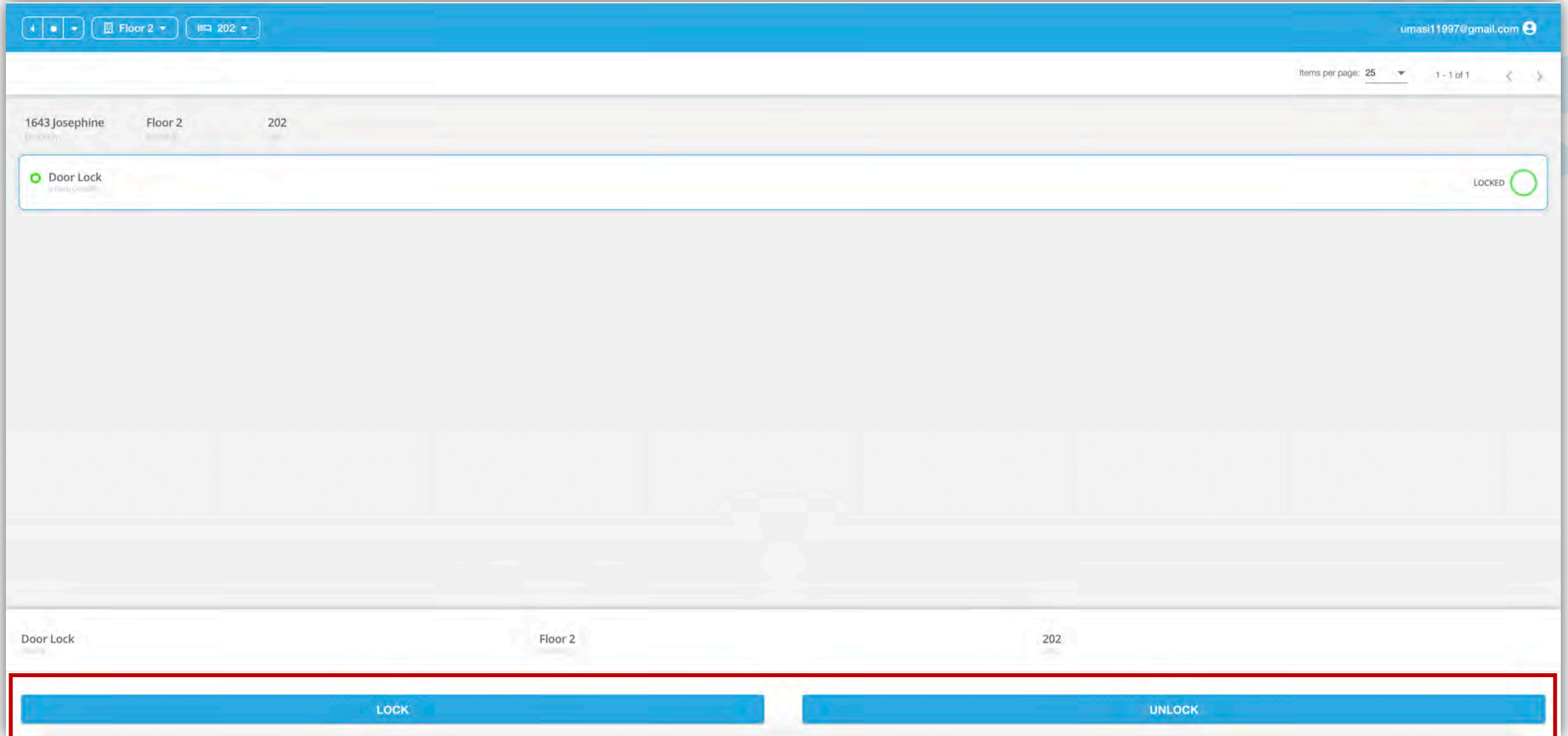
LOCK

UNLOCK

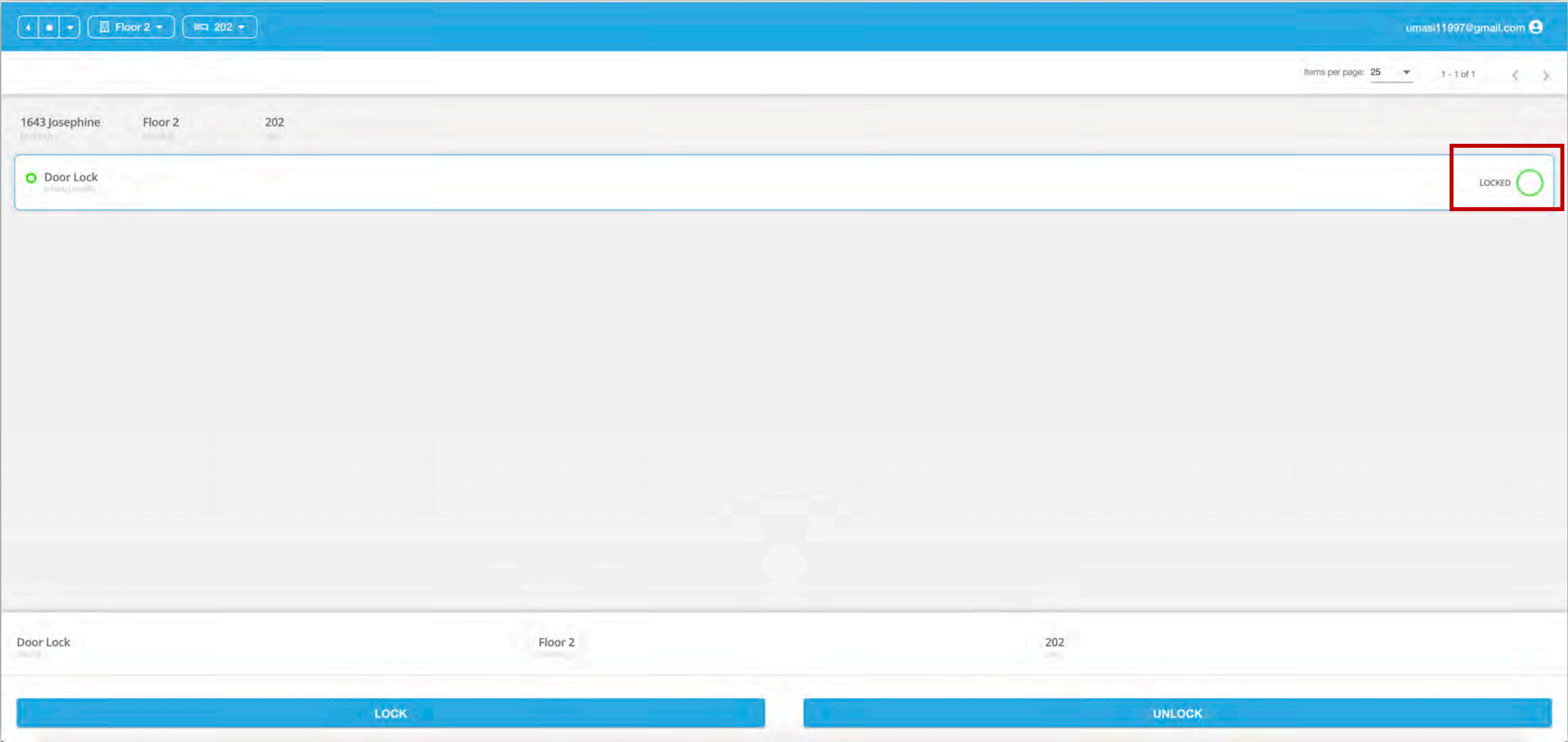
Step 2. Select the door lock



Step 3. Once the door lock is selected the lock/unlock buttons will become clickable. Select the action you would like to occur.



The door lock will initiate and the status on the right of the device bar will update.



Lock/Unlock Doors Using The HIVE Dashboard

Step 1. Select “Devices” from the left side task tab

Busybee
APARTMENT AUTOMATION

Dashboard Alerts Places

DIAGNOSTICS

Devices

Analytics

ADMINISTRATION

Residents Users Presets Locations Settings Installer

HELP

FAQ User Guide Contact Us

IECTC 1643 Josephine All cogburn@ietsystems.com

SYSTEM STATUS

Type	Quantity	Battery Operated	Online	Offline	Pending Install	Units with Alerts	
						Info	Critical
Thermostat	116	0	27	0	89	0	0
Door Lock	116	24	0	0	92	0	0
Leak/Freeze Sensor	116	24	0	0	92	0	0
Contact Sensor	116	20	0	0	96	0	0
Wall Switch	4	0	3	0	1	0	0
Gateway	8	0	7	1	0	0	1

THERMOSTAT

CLIMATE MODE

Mode	Quantity	Percentage
Cool	25	22%
Heat	0	0%
Auto	0	0%
Off	2	2%
Aux heat	0	0%
Unknown	89	77%

CURRENT THERMOSTAT STATUS

Mode	Quantity	Percentage
Cooling	13	11%
Heating	0	0%
Idle	14	12%
Dehumidifying	0	0%
Unknown	89	77%

UNITS ABOVE AVERAGE RUNTIMES

Last 48 Hours Cumulative Avg. hr/day

Location	Cumulative Runtime Hours	% Value
Floor 2 - 225	45.00	93.75%
Floor 2 - 208	45.00	93.75%

Step 2. Select the floor of the unit in the tab above.

The screenshot shows the Busybee Apartment Automation web interface. The left sidebar contains navigation links: Dashboard, Alerts, Places, DIAGNOSTICS (Devices, Analytics, Archived Reports), ADMINISTRATION (Residents, Users, Presets, Locations, Settings, Installer, History, Bulk Jobs), and HELP (FAQ, User Guide, Contact Us). The top header bar includes the Busybee logo, a location dropdown set to '1643 Josephine', and a filter dropdown set to 'All' (highlighted with a red box). The main content area is titled 'Devices' and displays a list of devices for unit 201 on Floor 2. The devices are:

Device Name	Node ID	Gateway	Status	Last Update	Battery Level	Modified On
Thermostat	43	GW-Closet 203	heating	12/14/2020 01:38 pm	44%	12/07/2020 09:15 am
Door Lock	47	GW-Closet 203	unlocked	12/14/2020 01:20 pm	good	12/14/2020 01:20 pm
Leak/Freeze Sensor	50	GW-Closet 203	idle	12/07/2020 01:42 pm	good	09/03/2020 08:39 am
Contact Sensor	48	GW-Closet 203	closed	12/07/2020 01:42 pm	good	09/03/2020 07:25 am
Entry Light	101	GW-Closet 203				

At the bottom right, there is a pagination control showing 'Items per page: 25' and '1 - 25 of 556'.

Step 3. Select the filter drop down

The screenshot shows the Busybee Apartment Automation web interface. The left sidebar contains navigation links: Dashboard, Alerts, Places, DIAGNOSTICS (Devices, Analytics, Archived Reports), ADMINISTRATION (Residents, Users, Presets, Locations, Settings, Installer, History, Bulk Jobs), and HELP (FAQ, User Guide, Contact Us). The main content area is titled 'Devices' and shows a list of devices for '1643 Josephine', 'Floor 2', and '201'. A red circle highlights the filter icon (a funnel with a plus sign) in the top left of the Devices section. The device list includes:

Device Name	Node ID	Gateway	Status	Temperature	Humidity	Last Seen	Battery	Modified On
Thermostat	43	GW-Closet 203	idle	68°F	44%	12/14/2020 01:35 pm	good	12/07/2020 09:15 am
Door Lock	47	GW-Closet 203	unlocked			12/14/2020 01:20 pm	good	12/14/2020 01:20 pm
Leak/Freeze Sensor	50	GW-Closet 203	idle			12/07/2020 01:42 pm	good	09/03/2020 08:39 am
Contact Sensor	48	GW-Closet 203	closed			12/07/2020 01:42 pm	good	09/03/2020 07:25 am
Entry Light	101	GW-Closet 203						

At the bottom right, there is a pagination bar showing 'Items per page: 25' and '1 - 25 of 144'.

Step 4. Check “Door Lock”

The screenshot shows the Busybee Apartment Automation web interface. The left sidebar contains navigation links: Dashboard, Alerts, Places, DIAGNOSTICS (Devices, Analytics, Archived Reports), ADMINISTRATION (Residents, Users, Presets, Locations, Settings, Installer, History, Bulk Jobs), and HELP (FAQ, User Guide, Contact Us). The main header includes a hamburger menu, navigation arrows, 'Floor 2', 'All', and the user email 'cogburn@ietsystems.com'.

The 'Devices' section is active, displaying a list of devices. A 'Filter Devices' dropdown menu is open, showing various device types with checkboxes. The 'door lock' option is highlighted with a red box and has its checkbox checked. Other visible options include thermostat, thermostat controller, audio detector, leak/freeze sensor, contact sensor, motion sensor, wall switch, outlet, gateway, generic, online, offline, and pending install.

The device list below shows several entries, including 'GW-Closet 203' gateways and 'Contact Sensor' units. Each entry displays its status (e.g., 'heat', 'idle', 'closed'), a temperature gauge, a battery level indicator (44%), a timestamp, a 'good' status label, and a 'modified on' date. The bottom right corner indicates 'Items per page: 25' and '1 - 25 of 144'.

Device Type	Location	Status	Temperature	Battery	Last Update	Health	Modified On
GW-Closet 203 gateway	201	heat	68°F	44%	12/14/2020 01:38 pm	good	12/07/2020 09:15 am
GW-Closet 203 gateway	201	idle			12/14/2020 01:20 pm	good	12/14/2020 01:20 pm
GW-Closet 203 gateway	201	idle			12/07/2020 01:42 pm	good	09/03/2020 08:39 am
Contact Sensor	48	closed			12/07/2020 01:42 pm	good	09/03/2020 07:25 am
Entry Light	101						

This view is a good view option if you need access to several units

Busybee
APARTMENT AUTOMATION

Dashboard
Alerts
Places
DIAGNOSTICS
Devices
Analytics
Archived Reports
ADMINISTRATION
Residents
Users
Presets
Locations
Settings
Installer
History
Bulk Jobs
HELP
FAQ
User Guide
Contact Us

Floor 2 All

cogburn@letsystems.com

Devices

Property	Building	Unit
1643 Josephine	Floor 2	201
Door Lock	47 node id	GW-Closet 203 a4c1e05c...
unlocked	12/14/2020 01:20 pm	good
ID: 683cb1f5...	MAKE: kwikset	MODEL: SMARTCODE888
12/14/2020 01:20 pm modified on		
1643 Josephine	Floor 2	202
Door Lock	9 node id	GW-Closet 203 a4c1e05c...
locked	12/11/2020 04:14 pm	good
ID: 02cbe94...	MAKE: kwikset	MODEL: SMARTCODE888
11/18/2020 09:23 am modified on		
1643 Josephine	Floor 2	203
Door Lock	5 node id	GW-Closet 203 a4c1e05c...
locked	12/14/2020 11:16 am	good
ID: 02cf4647...	MAKE: kwikset	MODEL: SMARTCODE888
11/30/2020 08:47 pm modified on		
1643 Josephine	Floor 2	204
Door Lock		
ID: 02d1c1a...		

Items per page: 25 1 - 25 of 27

If you only need access to one unit then select the unit on the top tab

Busybee
APARTMENT AUTOMATION

Dashboard
Alerts
Places
DIAGNOSTICS
Devices
Analytics
Archived Reports
ADMINISTRATION
Residents
Users
Presets
Locations
Settings
Installer
History
Bulk Jobs
HELP
FAQ
User Guide
Contact Us

Floor 2 ▾ All ▾ cogburn@letsystems.com

Devices

1643 Josephine <small>(property)</small>	Floor 2 <small>(building)</small>	201 <small>(unit)</small>	Door Lock <small>door lock</small>	47 <small>node id</small>	GW-Closet 203 a4c1e05c... <small>gateway</small>	ID: 683cb1f5... MAKE: kwikset MODEL: SMARTCODE888	...	
			unlocked			12/14/2020 01:20 pm	good	12/14/2020 01:20 pm <small>modified on</small>
1643 Josephine <small>(property)</small>	Floor 2 <small>(building)</small>	202 <small>(unit)</small>	Door Lock <small>door lock</small>	9 <small>node id</small>	GW-Closet 203 a4c1e05c... <small>gateway</small>	ID: 02cbe94... MAKE: kwikset MODEL: SMARTCODE888	...	
			locked			12/11/2020 04:14 pm	good	11/18/2020 09:23 am <small>modified on</small>
1643 Josephine <small>(property)</small>	Floor 2 <small>(building)</small>	203 <small>(unit)</small>	Door Lock <small>door lock</small>	5 <small>node id</small>	GW-Closet 203 a4c1e05c... <small>gateway</small>	ID: 02cf4647... MAKE: kwikset MODEL: SMARTCODE888	...	
			locked			12/14/2020 11:16 am	good	11/30/2020 08:47 pm <small>modified on</small>
1643 Josephine <small>(property)</small>	Floor 2 <small>(building)</small>	204 <small>(unit)</small>	Door Lock			ID: 02d1c1a...	...	

Items per page: 25 1 - 25 of 27

Step 5. Select the three dots to the right of the door lock device you would like to lock/unlock

The screenshot displays the Busybee Apartment Automation web interface. The left sidebar contains navigation links: Dashboard, Alerts, Places, DIAGNOSTICS (Devices, Analytics, Archived Reports), ADMINISTRATION (Residents, Users, Presets, Locations, Settings, Installer, History, Bulk Jobs), and HELP (FAQ, User Guide, Contact Us). The main content area is titled 'Devices' and shows filters for '1643 Josephine' (property), 'Floor 2' (building), and '202' (unit). A table lists devices, with the first row showing a 'Door Lock' device. The device details include '9' (node.id), 'GW-Closet 203' (gateway), 'locked' (status), '12/11/2020 04:14 pm' (last update), 'good' (battery level), and '11/18/2020 09:23 am' (modified on). A red circle highlights the three-dot menu icon to the right of the device row. The bottom right corner shows 'Items per page: 25' and '1 - 1 of 1'.

Property	Building	Unit	Device Name	Node ID	Gateway	Status	Last Update	Battery Level	Modified On
1643 Josephine	Floor 2	202	Door Lock	9	GW-Closet 203	locked	12/11/2020 04:14 pm	good	11/18/2020 09:23 am

Step 6. Select “edit”

The screenshot shows the Busybee Apartment Automation web interface. The left sidebar contains navigation links: Dashboard, Alerts, Places, DIAGNOSTICS (Devices, Analytics, Archived Reports), ADMINISTRATION (Residents, Users, Presets, Locations, Settings, Installer, History, Bulk Jobs), and HELP (FAQ, User Guide, Contact Us). The main content area is titled 'Devices' and shows a table of devices. The first device is a 'Door Lock' with ID '9', name 'GW-Closet 203', and status 'locked'. A dropdown menu is open for this device, showing options 'edit' and 'remove'. The 'edit' button is highlighted with a red box. The top of the interface shows filters for 'Floor 2' and '202'.

Busybee
APARTMENT AUTOMATION

1643 Josephine
Floor 2
202

Devices

Device Name	ID	Gateway	Status	Last Update	Health	Actions
Door Lock	9	GW-Closet 203	locked	12/11/2020 04:14 pm	good	<div><div>ID: 02cbe94... MAKE: kwikset MODEL: SMARTC... modified on 11/18/2020 09:23</div><div>edit remove</div></div>

Items per page: 25 1 - 1 of 1

Locate the interface mode at the bottom of the menu

The screenshot displays the Busybee Apartment Automation web interface. On the left is a dark sidebar with navigation links: Dashboard, Alerts, Places, DIAGNOSTICS (Devices, Analytics, Archived Reports), ADMINISTRATION (Residents, Users, Presets, Locations, Settings, Installer, History, Bulk Jobs), and HELP (FAQ, User Guide, Contact Us). The main content area has a blue header with filters for 'Floor 2' and '202'. Below this is the 'Devices' section, showing a table with columns for Property (1643 Josephine), Floor (Floor 2), Unit (202), Device Name (Door Lock), Node ID (9), Gateway (GW-Closet 203), Status (locked), Last Seen (12/11/2020 04:14 pm), and Battery Level (good). A configuration modal is open on the right, containing fields for assignment (Building: 1643 Josephine - Floor 2, Unit: Floor 2 - 202), device details (Name, Type: Door Lock, Make: Kwikset, Model: SMARTCODE888), and configuration (Interface: locked, highlighted with a red box). Buttons for CANCEL and SUBMIT are at the top of the modal.

Busybee
APARTMENT AUTOMATION

Dashboard
Alerts
Places
DIAGNOSTICS
Devices
Analytics
Archived Reports
ADMINISTRATION
Residents
Users
Presets
Locations
Settings
Installer
History
Bulk Jobs
HELP
FAQ
User Guide
Contact Us

Floor 2 202

Devices

Property	Floor	Unit	Device Name	Node ID	Gateway	Status	Last Seen	Battery Level
1643 Josephine	Floor 2	202	Door Lock	9	GW-Closet 203	locked	12/11/2020 04:14 pm	good

assignment

Building: 1643 Josephine - Floor 2
Unit: Floor 2 - 202

device

Name:
Type: Door Lock
Make: Kwikset
Model: SMARTCODE888

configuration

Interface: locked

CANCEL SUBMIT

Step 7. Select locked/unlocked

The screenshot displays the Busybee Apartment Automation web interface. The sidebar on the left contains navigation links: Dashboard, Alerts, Places, DIAGNOSTICS, Devices, Analytics, Archived Reports, ADMINISTRATION, Residents, Users, Presets, Locations, Settings, Installer, History, Bulk Jobs, HELP, FAQ, User Guide, and Contact Us.

The main content area shows the 'Devices' page for '1643 Josephine', 'Floor 2', and 'Unit 202'. A table lists the device 'Door Lock' with a node ID of '9' and a gateway of 'GW-Closet 203'. The status is 'locked' and the last update was on '12/11/2020 04:14 pm' with a 'good' battery level.

The right-hand configuration panel includes fields for 'assignment' (Building: 1643 Josephine - Floor 2, Unit: Floor 2 - 202), 'device' (Name, Type: Door Lock, Make: Kwikset, Model: SMARTCODE888), and 'configuration'. The 'configuration' section has a red box highlighting the 'locked' option under the 'interface' label.

Building	Floor	Unit	Device Name	Node ID	Gateway	Status	Last Update	Battery Level
1643 Josephine	Floor 2	202	Door Lock	9	GW-Closet 203	locked	12/11/2020 04:14 pm	good

Step 8. Select submit to initiate the door lock action

The screenshot displays the Busybee Apartment Automation web interface. The left sidebar contains navigation links: Dashboard, Alerts, Places, DIAGNOSTICS (Devices, Analytics, Archived Reports), ADMINISTRATION (Residents, Users, Presets, Locations, Settings, Installer, History, Bulk Jobs), and HELP (FAQ, User Guide, Contact Us). The main content area is titled 'Devices' and shows a table of devices for '1643 Josephine' on 'Floor 2', unit '202'. The table lists a 'Door Lock' with node ID '9', gateway 'GW-Closet 203', and status 'locked' as of '12/11/2020 04:14 pm'. A right-hand panel provides configuration options for the selected device, including 'assignment' (Building: 1643 Josephine - Floor 2, Unit: Floor 2 - 202), 'device' (Name, Type: Door Lock, Make: Kwikset, Model: SMARTCODE888), and 'configuration' (Interface: locked). The 'SUBMIT' button in the top right of this panel is highlighted with a red box.

Busybee
APARTMENT AUTOMATION

1643 Josephine
Floor 2
202

Devices

Device Name	Node ID	Gateway	Status	Last Update	Health
Door Lock	9	GW-Closet 203	locked	12/11/2020 04:14 pm	good

assignment

Building: 1643 Josephine - Floor 2

Unit: Floor 2 - 202

device

Name:

Type: Door Lock

Make: Kwikset

Model: SMARTCODE888

configuration

Interface: locked

CANCEL **SUBMIT**

How To Create and Implement Presets

[BACK TO TOP](#)



Fluctuations in external temperatures or humidity, require internal environmental conditions to adapt. This can be a daunting task, to send maintenance personnel to every apartment each time the thermostat needs to be changed.

Streamline the efficiency of your workflow by using your Busybee Hive Management Dashboard to create presets and then apply the preset to the individual apartments.





How It Works

With a few clicks, you can use presets to make changes to an apartment's temperature or humidity setting, allowing you to maximize efficiency and reduce energy usage.


Each preset enables you to choose the proper thermostat mode, heating and cooling set points (min. and max), and humidity set points. Once the presets are created or built, it is simply to apply them to the smart thermostat in each apartment home.



How To Create A Preset

[BACK TO TOP](#)

Step 1. Select "Preset" from the left-hand side task tab

 **Busybee**
APARTMENT AUTOMATION

Dashboard

Alerts

Places

DIAGNOSTICS

Devices

Analytics

ADMINISTRATION

Residents

Users

Presets

Locations

Settings

Installer

HELP

FAQ

User Guide

Contact Us

☰

IETC

1643 Josephine


All

cogburn@ietsystems.com


SYSTEM STATUS

Type	Quantity	Battery Operated	Online	Offline	Pending Install	Units with Alerts	
						Info	Critical
Thermostat	116	0	27	0	89	0	0
Door Lock	116	24	0	0	92	0	0
Leak/Freeze Sensor	116	24	0	0	92	0	0
Contact Sensor	116	20	0	0	96	0	0
Wall Switch	4	0	3	0	1	0	0
Gateway	8	0	7	1	0	0	1

THERMOSTAT




Mode	Quantity	Percentage
Cool	25	22%
Heat	0	0%
Auto	0	0%
Off	2	2%
Aux heat	0	0%
Unknown	89	77%



Mode	Quantity	Percentage
Cooling	13	11%
Heating	0	0%
Idle	14	12%
Dehumidifying	0	0%
Unknown	89	77%

UNITS ABOVE AVERAGE RUNTIMES



Last 48 Hours

Cumulative

Avg. hr/day

Location	Cumulative Runtime Hours	% Value
Floor 2 - 225	45.00	93.75%
Floor 2 - 208	45.00	93.75%

Step 2. Select “Build” from directly below Presets

Busybee
APARTMENT AUTOMATION

Dashboard

Alerts

Places

DIAGNOSTICS

Devices

Analytics

ADMINISTRATION

Residents

Users

Presets

Build

Schedule

Locations

Settings

Installer

HELP

FAQ

User Guide

Contact Us

IETC

1643 Josephine

All

cogburn@ietsystems.com

SYSTEM STATUS

Type	Quantity	Battery Operated	Online	Offline	Pending Install	Units with Alerts	
						Info	Critical
Thermostat	116	0	27	0	89	0	1
Door Lock	115	23	0	0	92	0	0
Leak/Freeze Sensor	114	24	0	0	90	0	0
Contact Sensor	114	20	0	0	94	0	0
Wall Switch	15	0	10	1	4	0	1
Gateway	8	0	7	1	0	0	1

THERMOSTAT

CLIMATE MODE

Mode	Quantity	Percentage
Cool	26	22%
Heat	0	0%
Auto	0	0%
Off	1	1%
Aux heat	0	0%
Unknown	89	77%

CURRENT THERMOSTAT STATUS

Mode	Quantity	Percentage
Cooling	8	7%
Heating	0	0%
Idle	19	16%
Dehumidifying	0	0%
Unknown	89	77%

UNITS ABOVE AVERAGE RUNTIMES

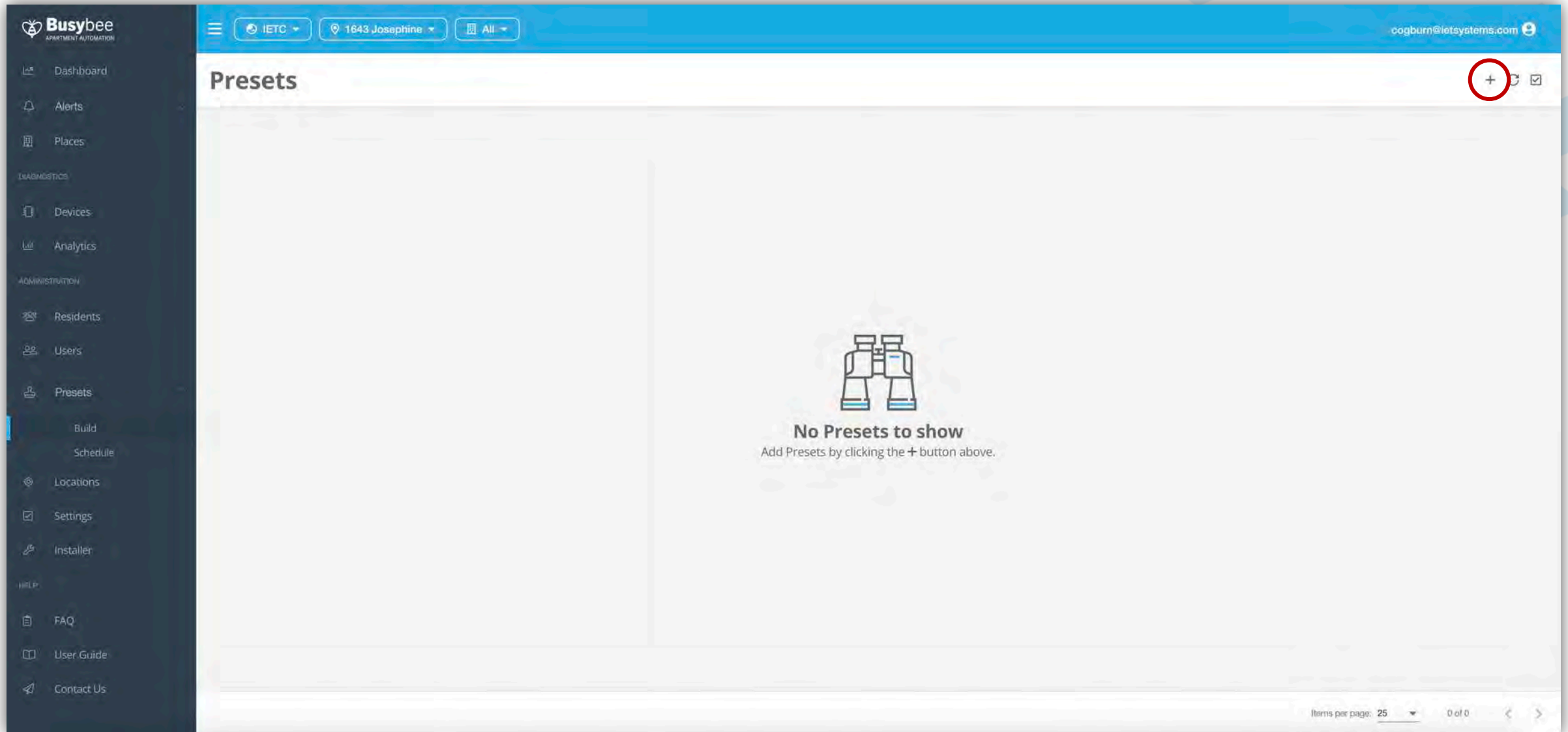
Last 48 Hours

Cumulative

Avg. hr/day

Location	Cumulative Runtime Hours	% Value
Floor 2 - 208	45.00	93.75%
Floor 2 - 220	33.00	68.75%

Step 3. Click on the “+” sign on the top right-hand corner.



Step 4. Name the preset in a way that will help you easily identify the preset purpose. Example would be vacant apartments, gym, contractor working inside, etc. The description field enables you to add more identifying information.

The screenshot displays the Busybee Apartment Automation web interface. The left sidebar contains navigation links for Dashboard, Alerts, Places, DIAGNOSTICS, Devices, Analytics, Archived Reports, ADMINISTRATION, Residents, Users, Presets (with sub-links for Build and Schedule), Locations, Settings, Installer, History, and Bulk Jobs. The top header includes the Busybee logo, a location selector set to '1643 Josephine', and a filter set to 'All'. The main content area is titled 'Presets' and shows a message: 'No Presets to show. Add Presets by clicking the + button above.' A modal form is open on the right side, highlighted with a red border. The modal has 'CANCEL' and 'SUBMIT' buttons at the top. It contains a 'details' section with a 'Name' input field (with a red border and a red error message 'should be string') and a 'Description' text area. Below the details section is a 'modes' section with 'Climate Mode' and 'interface' dropdowns, and a 'Schedule Enabled' dropdown. The bottom section is 'set points' (with a 'Fahrenheit' unit selector) and includes a 'Variable Heat Set Point Enable' dropdown set to 'Off' and a 'Heat Set Point' input field.

Busybee
APARTMENT AUTOMATION

1643 Josephine All cogburn@iatsystems.com

Presets

No Presets to show
Add Presets by clicking the + button above.

details

Name should be string

Description

modes

Climate Mode interface

Schedule Enabled

set points Fahrenheit

Variable Heat Set Point Enable
Off

Heat Set Point

Step 5. The next section is where you select the mode preferred for the preset you are creating. You can choose to lock or unlock the interface. This setting is helpful if you do not want the resident or contractor to adjust the thermostat manually. In such case, you would select “Locked”.

The screenshot displays the Busybee Apartment Automation web interface. The left sidebar contains navigation links: Dashboard, Alerts, Places, DIAGNOSTICS, Devices, Analytics, Archived Reports, ADMINISTRATION, Residents, Users, Presets (with sub-links Build and Schedule), Locations, Settings, and Installer. The main content area is titled 'Presets' and shows a message: 'No Presets to show. Add Presets by clicking the + button above.' The right sidebar contains the form for creating a preset, with fields for Name, Description, and modes. The 'modes' section is highlighted with a red box and includes 'Climate Mode' (set to 'interface'), 'Schedule Enabled' (set to 'Off'), and 'set points' (set to 'Off').

Busybee
APARTMENT AUTOMATION

1643 Josephine All cogburn@letsystems.com

Presets

No Presets to show
Add Presets by clicking the + button above.

details

Name
should be string

Description

modes

Climate Mode interface

Schedule Enabled

set points Fahrenheit

Variable Heat Set Point Enable
Off

Step 6. Immediately following is the set point section. You will notice “Variable Heat Set Point Enable and Variable Cool Set Point Enable”, keep this set to “OFF”.

The screenshot shows the Busybee Apartment Automation web interface. The left sidebar contains navigation links: Dashboard, Alerts, Places, DIAGNOSTICS (Devices, Analytics, Archived Reports), ADMINISTRATION (Residents, Users, Presets, Build, Schedule, Locations, Settings, Installer, History, Bulk Jobs), and HELP (FAQ). The main content area is titled 'Presets' and displays a message: 'No Presets to show. Add Presets by clicking the + button above.' The right sidebar contains configuration options for set points, including 'Variable Heat Set Point Enable' and 'Variable Cool Set Point Enable', both set to 'Off'. The sidebar also includes buttons for 'CANCEL' and 'SUBMIT' at the top, and a 'Schedule Enabled' dropdown below them.

Busybee
APARTMENT AUTOMATION

1643 Josephine All cogburn@iotsystems.com

Presets

No Presets to show
Add Presets by clicking the + button above.

set points Fahrenheit

Variable Heat Set Point Enable
Off

Heat Set Point

Variable Cool Set Point Enable
Off

Cool Set Point

Heat Max Cool Min

Set Point Delta

humidity control

HCL Enable Setpoint

Scroll down to Heat Max and Cool Min, input your desired heat max temperature and cool min temperature. Directly underneath, chose the variance acceptable by indicating a “set point delta”, which means the degree point difference allowed from your min and max set temperatures.

Busybee
APARTMENT AUTOMATION

Dashboard
Alerts
Places
DIAGNOSTICS
Devices
Analytics
Archived Reports
ADMINISTRATION
Residents
Users
Presets
Build
Schedule
Locations
Settings
Installer
History

Busybee 1643 Josephine All cogburn@iatsystems.com

Presets

No Presets to show
Add Presets by clicking the + button above.

set points Fahrenheit

Variable Heat Set Point Enable
Off

Heat Set Point

Variable Cool Set Point Enable
Off

Cool Set Point

Heat Max Cool Min

Set Point Delta

Step 7. Humidity Control section is next. You can adjust the settings to enable or disable the HCL (Humidity Control Level), indicate the desired set point, and delta setpoint and delta temperature.

The screenshot shows the Busybee Apartment Automation web interface. The top navigation bar includes the Busybee logo, a hamburger menu, and dropdowns for IETC, 1643 Josephine, and All. The right side of the top bar shows the email cogburn@ietsystems.com. The left sidebar lists navigation items: Dashboard, Alerts, Places, DIAGNOSTICS, Devices, Analytics, ADMINISTRATION, Residents, Users, Presets (highlighted), Build, Schedule, Locations, Settings, Installer, and HELP. The main content area is titled 'Presets' and displays a message: 'No Presets to show. Add Presets by clicking the + button above.' The right sidebar contains configuration options for various systems. The 'humidity control' section is highlighted with a red box and includes the following fields: HCL Enable (dropdown), Setpoint (text input), Setpoint Delta (text input), Temp Delta (text input), HCL Ontime (text input), and HCL Offtime (text input). Below this is the 'wall switch' section with Switch (dropdown) and Dimmer Switch (text input). At the top right of the right sidebar are CANCEL and SUBMIT buttons.

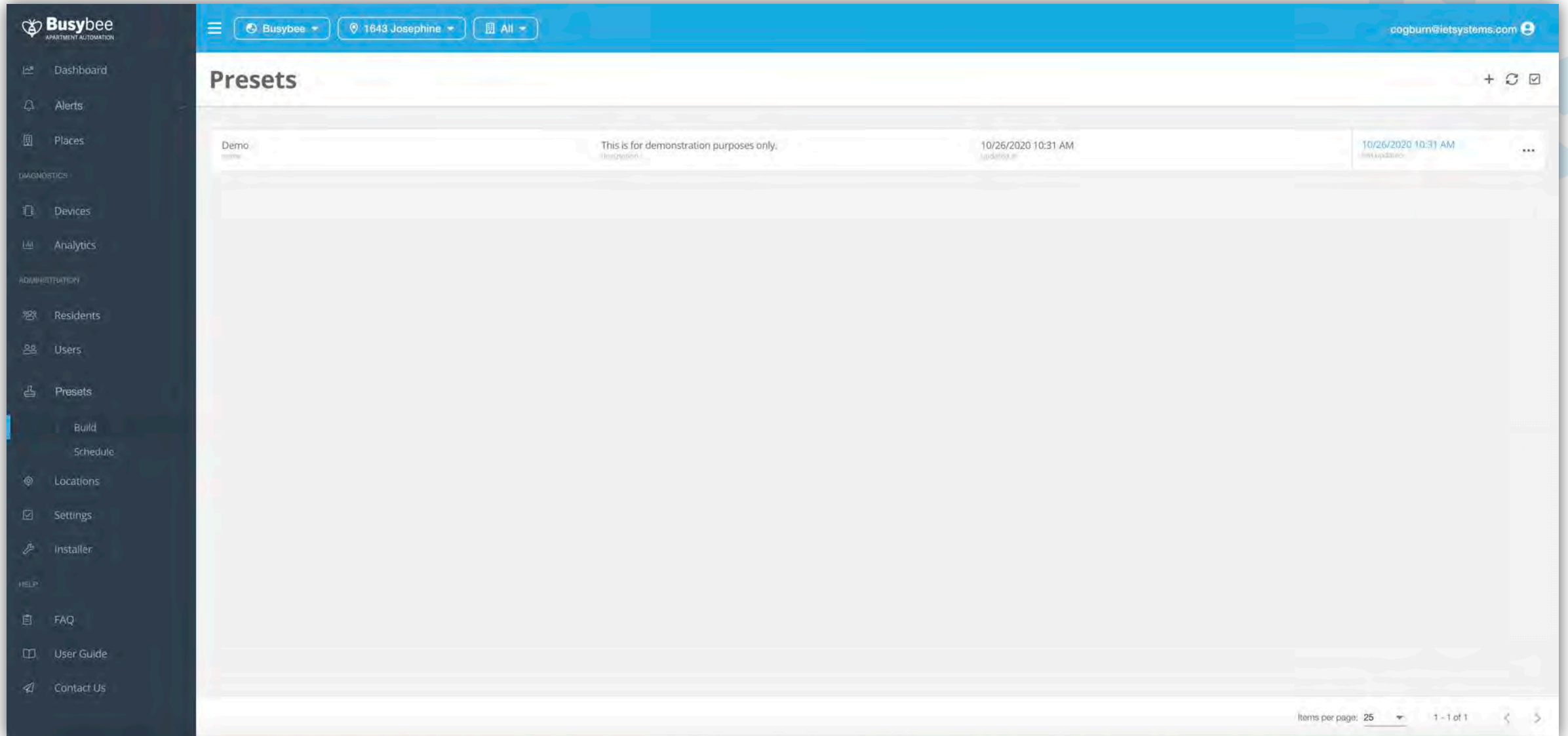
Step 8. Once your preferences are set for this preset, click submit.

The screenshot shows the Busybee Apartment Automation web interface. The left sidebar contains navigation links: Dashboard, Alerts, Places, DIAGNOSTICS (Devices, Analytics, Archived Reports), ADMINISTRATION (Residents, Users, Presets, Build, Schedule, Locations, Settings, Installer, History, Bulk Jobs), and HELP (FAQ). The top header includes the Busybee logo, a location dropdown (1643 Josephine), a filter dropdown (All), and the user email (cogburn@ietsystems.com).

The main content area is titled "Presets" and displays a message: "No Presets to show. Add Presets by clicking the + button above." The right sidebar contains configuration options for a preset, with the "SUBMIT" button highlighted in a red box. The configuration options include:

- details:**
 - Name (input field, highlighted with a red border, with a red error message "should be string")
 - Description (text area)
- modes:**
 - Climate Mode (dropdown menu)
 - interface (dropdown menu)
 - Schedule Enabled (checkbox)
- set points:** (Fahrenheit)
 - Variable Heat Set Point Enable (dropdown menu, set to Off)
 - Heat Set Point (input field)
 - Variable Cool Set Point Enable (dropdown menu, set to Off)

Once submitted, the preset will appear in the build presents window.



How to Apply a Preset to an Apartment Home

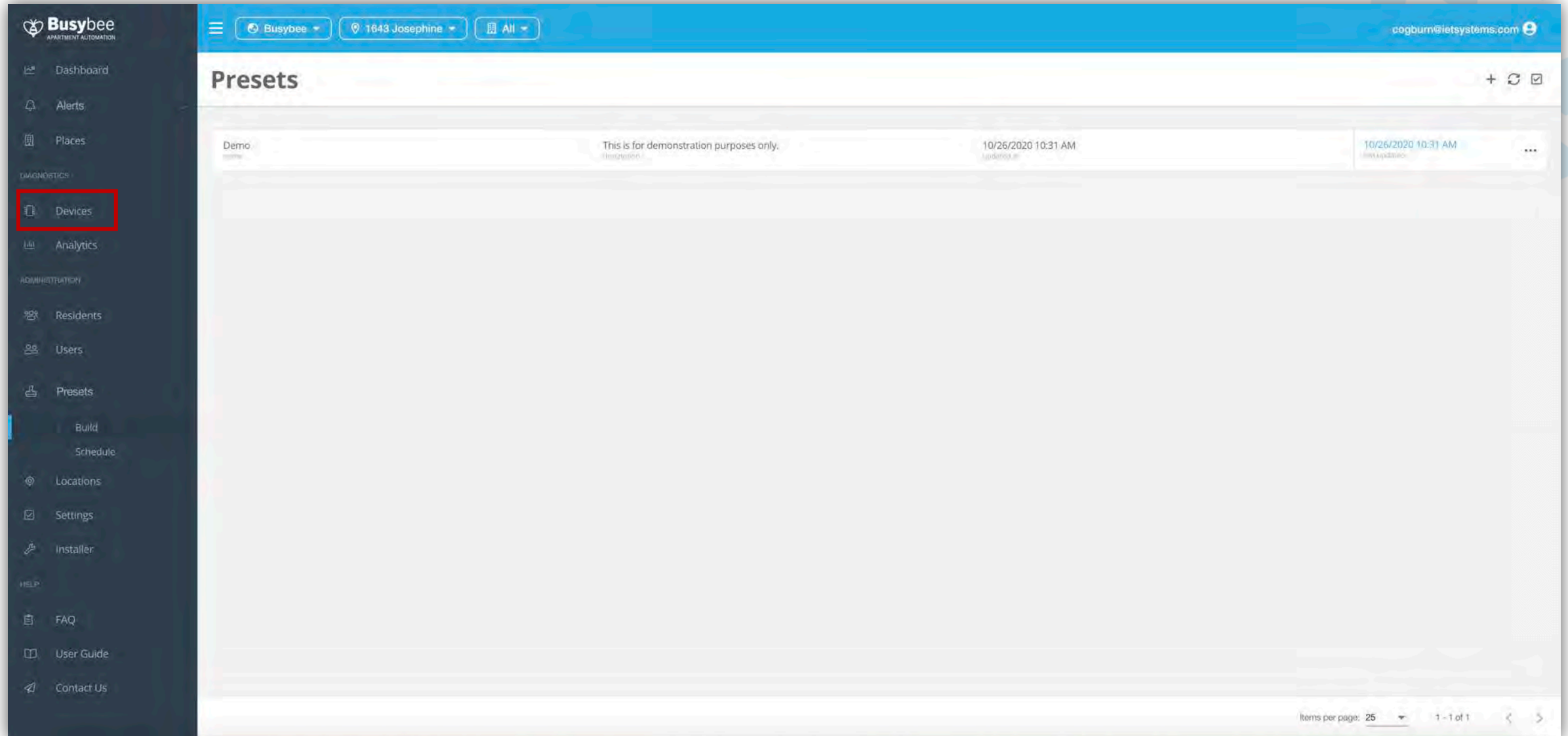
There are multiple paths you can take to display the thermostats for each apartment home. The most efficient path will depend on preference, and if you are applying the preset to multiple apartments or just one individual apartment home.



Applying to Multiple Apartments

[BACK TO TOP](#)

Task tab



Step 2. Filter your device view by clicking on the funnel icon, check the device that you want to view. In this case, check thermostat

The screenshot displays the Busybee Apartment Automation web interface. On the left is a dark sidebar with navigation links: Dashboard, Alerts, Places, DIAGNOSTICS (with a sub-link for Devices), Analytics, Archived Reports, ADMINISTRATION (with sub-links for Residents, Users, Presets, Build, and Schedule), Locations, Settings, Installer, History, Bulk Jobs, and HELP (with a sub-link for FAQ). The main content area has a blue header with a menu icon, navigation arrows, and filters for 'Floor 2' and '202'. Below the header, the 'Devices' section is active, indicated by a red circle around the funnel icon. The device list shows five items, all associated with 'GW-Closet 203 gateway':

Device Name	ID	Status	Mode	Temperature	Humidity	Last Update	Health	Alerts	Modified On
Thermostat	41	idle	cool	59	71°/68°	12/02/2020 05:00 pm	good	1	11/11/2020 03:04 pm
Door Lock	9	locked				11/27/2020 08:16 pm	good	1	11/18/2020 09:23 am
Leak/Freeze Sensor	62	idle				11/27/2020 08:01 pm	good	1	09/03/2020 12:56 pm
Contact Sensor	10	closed				12/02/2020 05:44 am	good	1	n/a
Entry Light	78							1	

At the bottom right, it shows 'Items per page: 25' and '1 - 5 of 5'.

Step 2. Filter your device view by clicking on the funnel icon, check the device that you want to view. In this case, check thermostat

The screenshot displays the Busybee Apartment Automation web interface. On the left is a dark sidebar with navigation links: Dashboard, Alerts, Places, DIAGNOSTICS (highlighted), Devices, Analytics, Archived Reports, ADMINISTRATION, Residents, Users, Presets, Build, Schedule, Locations, Settings, Installer, History, Bulk Jobs, and HELP. The main content area has a blue header with the Busybee logo, location '1643 Josephine', and a filter icon. Below the header, the 'Devices' section is active, showing a list of devices. A 'Filter Devices' modal is open, listing various device types with checkboxes. The 'thermostat' checkbox is checked. The device list shows several items, including a thermostat with a temperature display of 61°F and a status of 'good'.

Filter Devices

- ☒ thermostat
- ☐ door lock
- ☐ thermostat controller
- ☐ audio detector
- ☐ leak/freeze sensor
- ☐ contact sensor
- ☐ motion sensor
- ☐ wall switch
- ☐ outlet
- ☐ gateway
- ☐ online
- ☐ offline
- ☐ pending install

Device Type	ID	MAKE	MODEL	Status	Last Modified
thermostat	02649be...	honeywell	TH6320ZW2003	good	12/02/2020 03:07 pm
GW-Closet 203 gateway	683cb1f5...	kwikset	SMARTCODE888	good	11/11/2020 01:07 pm
GW-Closet 203 gateway	02c974cd...	sensitive	STRIPSDRIP	good	09/03/2020 08:39 am
Contact Sensor	02c9e43b...	sensitive	DWSTRIPS	good	09/03/2020 07:25 am
Entry Light	10cddde...	ge			

Items per page: 25 1 - 25 of 557

Step 3. Click on the screen and you will only see thermostats

The screenshot shows the Busybee Apartment Automation web interface. The left sidebar contains navigation links: Dashboard, Alerts, Places, DIAGNOSTICS (with a sub-link for Devices), Analytics, Archived Reports, ADMINISTRATION (with sub-links for Residents, Users, Presets, Build, and Schedule), Locations, Settings, Installer, History, Bulk Jobs, and HELP (with a sub-link for FAQ). The main header includes the Busybee logo, a location dropdown set to '1643 Josephine', and a filter dropdown set to 'All'. The main content area is titled 'Devices' and displays a list of thermostats. The list is filtered to show only 'Thermostat' devices. Each device entry includes its name, node ID, gateway, current mode, target temperature, battery level, last update time, status, and a 'modified on' timestamp. The devices are located on Floor 2, Units 201, 202, 203, and 204.

Device Name	Node ID	Gateway	Mode	Target Temp	Battery	Last Update	Status	Modified On
Thermostat	43	GW-Closet 203 a4c1e05c...	idle	61	51%	12/03/2020 09:30 am	good	12/02/2020 03:07 pm
Thermostat	41	GW-Closet 203 a4c1e05c...	idle	62	48%	12/03/2020 09:31 am	good	11/11/2020 03:04 pm
Thermostat	33	GW-Closet 203 a4c1e05c...	heating	71	48%	12/03/2020 09:31 am	good	11/25/2020 09:51 am
Thermostat								

Items per page: 25 1 - 25 of 116

ment home

ment home

Step 5. Select “Edit”

The screenshot displays the Busybee Apartment Automation web interface. The left sidebar contains navigation links: Dashboard, Alerts, Places, DIAGNOSTICS (Devices, Analytics, Archived Reports), ADMINISTRATION (Residents, Users, Presets, Build, Schedule, Locations, Settings, Installer, History, Bulk Jobs), and HELP (FAQ). The main content area is titled 'Devices' and shows a list of thermostats for '1643 Josephine' on 'Floor 2'. The first device is a 'Thermostat' with ID '02c49be...', MAKE 'honeywell', and MODEL 'TH6320ZW2003'. A dropdown menu is open for this device, showing options: 'edit' (highlighted with a red box), 'remove', and 'diagnostic request'. The device status is 'idle', mode is 'cool', and the current temperature is 61°F. The second device is also a 'Thermostat' with ID '02c49bd3...', MAKE 'honeywell', and MODEL 'TH6320ZW2003'. Its status is 'idle', mode is 'cool', and the current temperature is 62°F. The third device is a 'Thermostat' with ID '02c49bd3...', MAKE 'honeywell', and MODEL 'TH6320ZW2003'. Its status is 'heating', mode is 'heat', and the current temperature is 71°F. The fourth device is a 'Thermostat' with ID '02c49bd3...', MAKE 'honeywell', and MODEL 'TH6320ZW2003'. Its status is 'idle', mode is 'cool', and the current temperature is 71°F. The bottom of the page shows 'Items per page: 25' and '1 - 25 of 116'.

Property	Floor	Unit	Device Name	ID	MAKE	MODEL	Status	Mode	Temp (°F)	Humidity (%)	Last Seen	Health	Last Modified
1643 Josephine	Floor 2	201	Thermostat	02c49be...	honeywell	TH6320ZW2003	idle	cool	61	51%	12/03/2020 10:00 am	good	12/02/2020
1643 Josephine	Floor 2	202	Thermostat	02c49bd3...	honeywell	TH6320ZW2003	idle	cool	62	49%	12/03/2020 10:00 am	good	11/11/2020 03:04 pm
1643 Josephine	Floor 2	203	Thermostat	02c49bd3...	honeywell	TH6320ZW2003	heating	heat	71	48%	12/03/2020 10:05 am	good	11/25/2020 09:51 am
1643 Josephine	Floor 2	204	Thermostat	02c49bd3...	honeywell	TH6320ZW2003	idle	cool	71				

Step 6. Halfway down the page, check the “use preset” box

The screenshot displays the Busybee Apartment Automation web interface. The left sidebar contains navigation links: Dashboard, Alerts, Places, DIAGNOSTICS (with a sub-link for Devices), Analytics, Archived Reports, ADMINISTRATION (with sub-links for Residents, Users, Presets, Build, and Schedule), Locations, Settings, Installer, History, Bulk Jobs, and HELP (with a sub-link for FAQ). The main content area is titled 'Devices' and shows a list of thermostats for '1643 Josephine' on 'Floor 2'. The list includes details for units 201, 202, 203, and 204. Each entry shows the device name 'Thermostat', its ID, location 'GW-Closet 203 gateway', current temperature, target temperature, mode (idle, cool, or heating), humidity, last update time, and status (good). The right sidebar contains configuration options for the selected device, including 'assignment' (Building: 1643 Josephine - Floor 2, Unit: Floor 2 - 202), 'device' (Name, Type: Thermostat, Make: Honeywell, Model: TH6320ZW2003), and 'modes' (Climate Mode: cool). A red box highlights the 'Use Preset' checkbox, which is currently unchecked.

Location	Floor	Unit	Device Name	ID	Location	Mode	Temp	Humidity	Last Update	Status
1643 Josephine	Floor 2	201	Thermostat	43	GW-Closet 203 gateway	idle	61	51%	12/03/2020 09:30 am	good
1643 Josephine	Floor 2	202	Thermostat	41	GW-Closet 203 gateway	idle	62	48%	12/03/2020 09:31 am	good
1643 Josephine	Floor 2	203	Thermostat	33	GW-Closet 203 gateway	heating	71	48%	12/03/2020 09:31 am	good
1643 Josephine	Floor 2	204	Thermostat							

Configuration Sidebar:

- assignment**
 - Building: 1643 Josephine - Floor 2
 - Unit: Floor 2 - 202
- device**
 - Name:
 - Type: Thermostat
 - Make: Honeywell
 - Model: TH6320ZW2003
- Use Preset** ☐
- modes**
 - Climate Mode: cool

Step 7. A drop-down menu will be displayed with all the previously created presets, select the preset you would like to apply

The screenshot displays the Busybee Apartment Automation web interface. On the left is a dark sidebar with navigation links: Dashboard, Alerts, Places, DIAGNOSTICS (with a sub-link for Devices), Analytics, Archived Reports, ADMINISTRATION (with sub-links for Residents, Users, Presets, Build, and Schedule), Locations, Settings, Installer, History, Bulk Jobs, and HELP (with a sub-link for FAQ). The main content area has a blue header with a menu icon, the 'Busybee' logo, location filters for '1643 Josephine' and 'All', and a user email 'cogburn@letsystems.com'. Below the header, the 'Devices' section shows a table of thermostats. The table has columns for location (Building, Floor, Unit), device name, mode, setpoint, current temperature, humidity, last update, and status. Four rows are visible, all for 'GW-Closet 203' thermostats in 'cool' or 'heating' mode. A configuration modal is open on the right, with fields for 'assignment' (Building: 1643 Josephine - Floor 2, Unit: Floor 2 - 202), 'device' (Name, Type: Thermostat, Make: Honeywell, Model: TH6320ZW2003), and a 'Preset' dropdown menu at the bottom, which is highlighted with a red rectangle.

Location	Device Name	Mode	Setpoint	Temp	Humidity	Last Update	Status
1643 Josephine Floor 2 201	Thermostat GW-Closet 203	idle	cool	61	51%	12/03/2020 09:30 am	good
1643 Josephine Floor 2 202	Thermostat GW-Closet 203	idle	cool	62	48%	12/03/2020 09:31 am	good
1643 Josephine Floor 2 203	Thermostat GW-Closet 203	heating	heat	71	48%	12/03/2020 09:31 am	good
1643 Josephine Floor 2 204	Thermostat GW-Closet 203						

Busybee
APARTMENT AUTOMATION

☰
Busybee ▾
📍 1643 Josephine ▾
🏠 All ▾
cogburn@ietsystems.com 👤

🔍 ⚙️ Devices

Property	Floor	Unit
1643 Josephine	Floor 2	201
<div>Thermostat</div>		
<div>43 Hallway</div>		
<div>GW-Closet 203 gateway</div>		
<div>idle</div> <div>cool</div> <div>61° <small>(68°F)</small></div> <div>73° <small>(65°F)</small></div> <div>51% humidity</div> <div>12/03/2020 09:30 am</div> <div>good</div>		
1643 Josephine	Floor 2	202
<div>Thermostat</div>		
<div>41 Hallway</div>		
<div>GW-Closet 203 gateway</div>		
<div>idle</div> <div>cool</div> <div>62° <small>(68°F)</small></div> <div>71° <small>(65°F)</small></div> <div>48% humidity</div> <div>12/03/2020 09:31 am</div> <div>good</div>		
1643 Josephine	Floor 2	203
<div>Thermostat</div>		
<div>33 Hallway</div>		
<div>GW-Closet 203 gateway</div>		
<div>heating</div> <div>heat</div> <div>71° <small>(71°F)</small></div> <div>71° <small>(65°F)</small></div> <div>48% humidity</div> <div>12/03/2020 09:31 am</div> <div>good</div>		
1643 Josephine	Floor 2	204
<div>Thermostat</div>		

CANCEL SUBMIT

assignment

Building
📍 1643 Josephine - Floor 2 ▾

Unit
🏠 Floor 2 - 202 ▾

device

Name

Type
Thermostat ▾

Make
Honeywell ▾

Model
TH6320ZW2003 ▾

☒ Load Preset

Preset ▾

You have now applied the preset to that apartment home

The screenshot displays the Busybee Apartment Automation web interface. The left sidebar contains navigation links: Dashboard, Alerts, Places, DIAGNOSTICS (highlighted), Devices, Analytics, Archived Reports, ADMINISTRATION (Residents, Users, Presets, Build, Schedule), Locations, Settings, Installer, History, Bulk Jobs, and HELP (FAQ). The main content area is titled 'Devices' and shows a list of thermostats for the location '1643 Josephine'. The interface includes filters for 'Floor 2' and '201'. The list contains four thermostat entries, each showing details like ID, MAKE, MODEL, and status. The first three entries are for 'GW-Closet 203' and are in 'cool' or 'heating' mode. The fourth entry is partially visible.

Location	Floor	Unit	Device Name	Mode	Temperature	Humidity	Last Update	Status	Modified On
1643 Josephine	Floor 2	201	Thermostat	idle	61	51%	12/03/2020 09:30 am	good	12/02/2020 03:07 pm
1643 Josephine	Floor 2	202	Thermostat	idle	62	48%	12/03/2020 09:31 am	good	11/11/2020 03:04 pm
1643 Josephine	Floor 2	203	Thermostat	heating	71	48%	12/03/2020 09:31 am	good	11/25/2020 09:51 am
1643 Josephine	Floor 2	204	Thermostat						

Items per page: 25 1 - 25 of 116

Step 9. Move to the next thermostat listed, select edit, and apply the preset

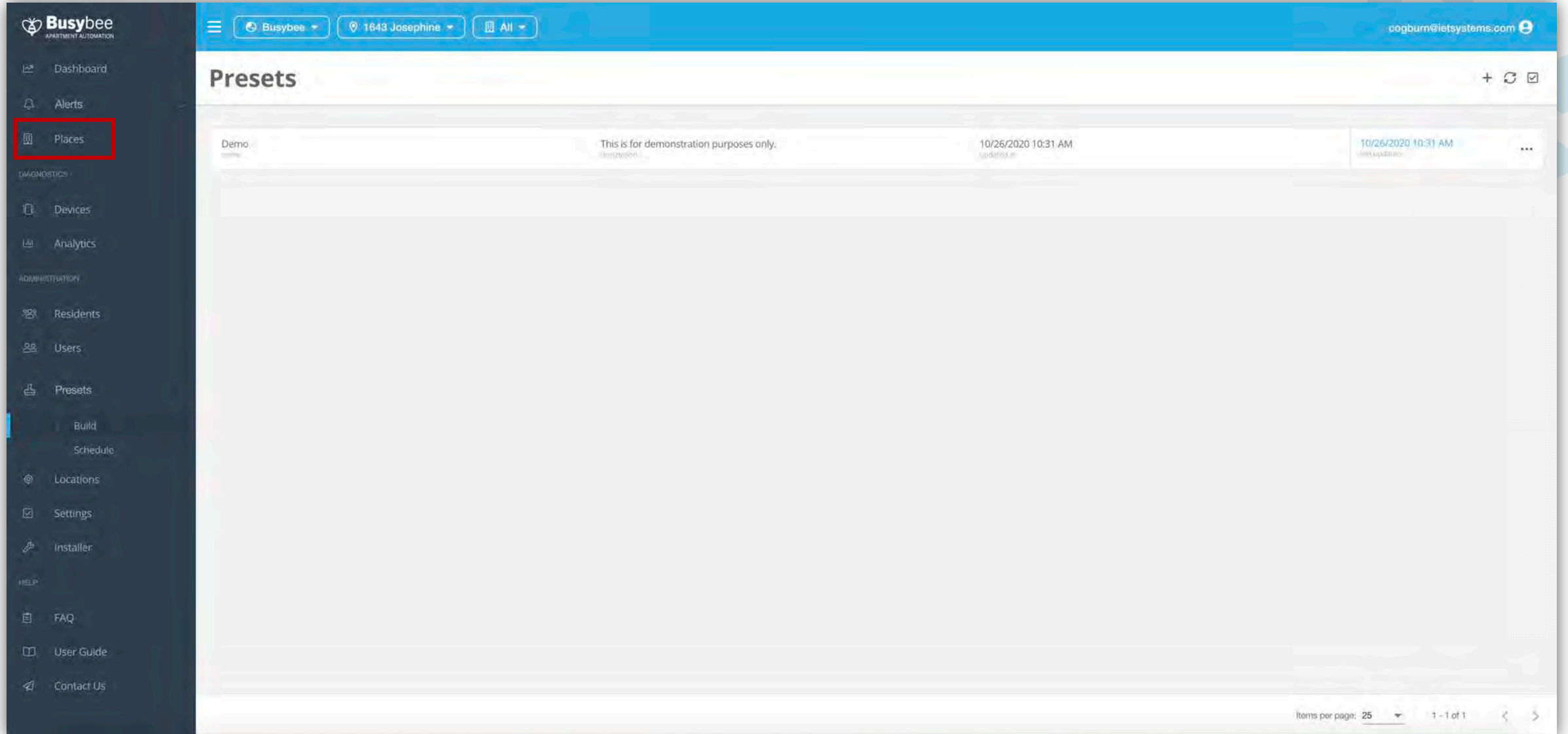
The screenshot displays the Busybee Apartment Automation web interface. The left sidebar contains navigation links: Dashboard, Alerts, Places, DIAGNOSTICS (highlighted), Devices, Analytics, Archived Reports, ADMINISTRATION (Residents, Users, Presets, Build, Schedule), Locations, Settings, Installer, History, Bulk Jobs, and HELP (FAQ). The main content area is titled 'Devices' and shows a list of thermostats for '1643 Josephine' on 'Floor 2'. The list includes details for units 201, 202, 203, and 204. Each entry shows the thermostat name, mode, current temperature, target temperature, humidity, last update time, and status. Unit 201 is in 'idle' mode with a 'cool' preset. Unit 202 is in 'idle' mode with a 'cool' preset. Unit 203 is in 'heating' mode with a 'heat' preset. Unit 204 is partially visible. The bottom right corner shows 'Items per page: 25' and '1 - 25 of 116'.

Location	Floor	Unit	Thermostat	Mode	Preset	Temp	Humidity	Last Update	Status	Modified On
1643 Josephine	Floor 2	201	Thermostat 43	idle	cool	61	51%	12/03/2020 09:30 am	good	12/02/2020 03:07 pm
1643 Josephine	Floor 2	202	Thermostat 41	idle	cool	62	48%	12/03/2020 09:31 am	good	11/11/2020 03:04 pm
1643 Josephine	Floor 2	203	Thermostat 33	heating	heat	71	48%	12/03/2020 09:31 am	good	11/25/2020 09:51 am
1643 Josephine	Floor 2	204	Thermostat							

Applying To An Individual Apartment

[BACK TO TOP](#)

Step 1. Select “Places” from the left-hand side task tab



Step 2. Use the top bar to select the Apartment home of interest

The screenshot displays the Busybee Apartment Automation web interface. The top navigation bar is highlighted with a red box, showing a hamburger menu icon, a back arrow, a floor selection dropdown set to 'Floor 2', and an 'All' button. The left sidebar contains various navigation options: Dashboard, Alerts, Places, DIAGNOSTICS (Devices, Analytics, Archived Reports), ADMINISTRATION (Residents, Users, Presets, Build, Schedule, Locations, Settings, Installer, History, Bulk Jobs), and HELP (FAQ). The main content area is titled 'Places' and shows a list of units for Floor 2. The units are listed in a table with columns for unit number, thermostat status, contact sensors, and a list of devices (controllers, switches, audio detectors, outlets, leak/freeze sensors, gateways). The units are numbered 201 through 222. The interface also shows a 'Showing 34 of 34 units for the Floor 2 building' message and a 'last seen' timestamp for each unit.

Unit	Thermostats	Contact Sensors	Controllers	Switches	Audio Detectors	Outlets	Leak/Freeze Sensors	Gateways	Last Seen
201	On	On	1	0	0	0	1	0	12/03/2020 09:45 am
202	Off	Off	1	0	0	0	1	0	12/03/2020 09:36 am
203	On	On	1	0	0	0	1	0	12/03/2020 09:54 am
204	On	On	1	0	0	0	1	0	12/03/2020 09:30 am
205	On	On	1	0	0	0	1	0	12/03/2020 09:30 am
206	On	On	1	0	0	0	1	0	12/03/2020 09:30 am
207	On	On	1	0	0	0	1	0	12/03/2020 09:30 am
208	On	On	1	0	0	0	1	0	12/03/2020 09:30 am
209	On	On	1	0	0	0	1	0	12/03/2020 09:30 am
210	On	On	1	0	0	0	1	0	12/03/2020 09:30 am
211	On	On	1	0	0	0	1	0	12/03/2020 09:30 am
212	On	On	1	0	0	0	1	0	12/03/2020 09:30 am
213	On	On	1	0	0	0	1	0	12/03/2020 09:30 am
214	On	On	1	0	0	0	1	0	12/03/2020 09:30 am
215	On	On	1	0	0	0	1	0	12/03/2020 09:30 am
216	On	On	1	0	0	0	1	0	12/03/2020 09:30 am
217	On	On	1	0	0	0	1	0	12/03/2020 09:30 am
218	On	On	1	0	0	0	1	0	12/03/2020 09:30 am
219	On	On	1	0	0	0	1	0	12/03/2020 09:30 am
220	On	On	1	0	0	0	1	0	12/03/2020 09:30 am
221	On	On	1	0	0	0	1	0	12/03/2020 09:30 am
222	On	On	1	0	0	0	1	0	12/03/2020 09:30 am

Step 3. Click on the three dots on the right-hand side

The screenshot displays the Busybee Apartment Automation web interface. The left sidebar contains navigation links for Dashboard, Alerts, Places, Diagnostics, Devices, Analytics, Archived Reports, Administration (Residents, Users, Presets, Build, Schedule), Locations, Settings, Installer, History, Bulk Jobs, and Help (FAQ). The main content area is titled 'Places' and shows a table of device counts for various categories. A red circle highlights the three-dot menu icon on the right side of the table.

Category	Count	Category	Count	Category	Count	Category	Count	Category	Count	Category	Count
thermostats	1	door locks	1	controllers	0	audio detectors	0	leak/freeze sensors	1		
contact sensors	1	motion sensors	0	switches	1	outlets	0	gateways	0		

12/03/2020 09:55 am
last swim

Items per page: 25 1 - 1 of 1

Step 4. Select “Show devices”

The screenshot displays the Busybee Apartment Automation web interface. The left sidebar contains navigation links for Dashboard, Alerts, Places, and various diagnostic and administrative tools. The main content area is titled 'Places' and shows a summary of devices for 'Floor 2' and unit '202'. A dropdown menu is open on the right side of the device summary table, with the 'show devices' option highlighted by a red rectangle.

Places

Device Type	Count	Device Type	Count	Device Type	Count	Device Type	Count	Device Type	Count	Last Seen	Actions
thermostats	1	door locks	1	controllers	0	audio detectors	0	leak/freeze sensors	1	12/03/2020 09:55 am	...
contact sensors	1	motion sensors	0	switches	1	outlets	0	gateways	0	last seen	

Items per page: 25 1 - 1 of 1

This will bring up all smart devices in the apartment home

The screenshot displays the Busybee Apartment Automation web interface. The left sidebar contains navigation links: Dashboard, Alerts, Places, DIAGNOSTICS (highlighted), Devices, Analytics, and Archived Reports. Under DIAGNOSTICS, there are links for Residents, Users, Presets (with sub-links for Build and Schedule), Locations, Settings, Installer, History, Bulk Jobs, and HELP (with a link for FAQ).

The main content area is titled "Devices" and shows a list of smart devices for "1643 Josephine", "Floor 2", and unit "202". The devices are:

- Thermostat** (ID: 02cbbd3..., MAKE: honeywell, MODEL: TH6320ZW2003): Status is "idle", setpoint is "cool", current temperature is 62°F. Last update: 12/03/2020 09:55 am. Health: good.
- Door Lock** (ID: 02cbe94..., MAKE: kwikset, MODEL: SMARTCODE838): Status is "locked". Last update: 11/27/2020 08:16 pm. Health: good.
- Leak/Freeze Sensor** (ID: 02cc17bd..., MAKE: sensitive, MODEL: STRIPSDRIP): Status is "idle". Last update: 11/27/2020 08:01 pm. Health: good.
- Contact Sensor** (ID: 02cc4e86..., MAKE: sensitive, MODEL: DWSTRIPS): Status is "closed". Last update: 12/03/2020 04:59 am. Health: good.
- Entry Light** (ID: 4605540..., MAKE: ge): Status is not shown. Last update is not shown. Health is not shown.

At the bottom right, it indicates "Items per page: 25" and "1 - 5 of 5".

Step 5. Click on the three dots on the right-hand side of the thermostat

The screenshot displays the Busybee Apartment Automation web interface. The sidebar on the left contains navigation links: Dashboard, Alerts, Places, DIAGNOSTICS (with sub-links for Devices, Analytics, and Archived Reports), ADMINISTRATION (with sub-links for Residents, Users, Presets, Build, and Schedule), Locations, Settings, Installer, History, Bulk Jobs, and HELP (with a link to FAQ). The main content area is titled 'Devices' and shows a list of devices for '1643 Josephine' on 'Floor 2' unit '202'. The devices listed are:

- Thermostat** (ID: 02cbbd3..., MAKE: honeywell, MODEL: TH6320ZW2003). It is currently 'idle' with a temperature of 62°F. A red circle highlights the three dots menu icon on the right.
- Door Lock** (ID: 02cbe94..., MAKE: kwikset, MODEL: SMARTCODE838). It is currently 'locked'.
- Leak/Freeze Sensor** (ID: 02cc17bd..., MAKE: sensitive, MODEL: STRIPSDRIP). It is currently 'idle'.
- Contact Sensor** (ID: 02cc4e86..., MAKE: sensitive, MODEL: DWSTRIPS). It is currently 'closed'.
- Entry Light** (ID: 4605540..., MAKE: ge).

The bottom of the page shows 'Items per page: 25' and '1 - 5 of 5'.

Step 5. Select “Edit”

The screenshot shows the Busybee Apartment Automation web interface. The left sidebar contains navigation links: Dashboard, Alerts, Places, DIAGNOSTICS (with a sub-link for Devices), Analytics, Archived Reports, ADMINISTRATION (with sub-links for Residents, Users, Presets, Build, and Schedule), Locations, Settings, Installer, History, Bulk Jobs, and HELP (with a sub-link for FAQ). The main header includes a menu icon, navigation icons, filters for 'Floor 2' and '202', and the email 'cogburn@letsystems.com'. The 'Devices' section is active, displaying a list of devices for '1643 Josephine' on 'Floor 2' in unit '202'. The devices listed are:

- Thermostat** (ID: 41, node-id, GW-Closet 203 gateway): Status 'idle', mode 'cool', temperature '59' (with a range of 71° to 68°), humidity '42%', last seen '12/02/2020 05:00 pm', status 'good', modified on '11/11/2020'. A dropdown menu is open showing 'edit', 'remove', and 'diagnostic request'.
- Door Lock** (ID: 9, node-id, GW-Closet 203 gateway): Status 'locked', last seen '11/27/2020 08:16 pm', status 'good', modified on '11/18/2020 09:23 am'.
- Leak/Freeze Sensor** (ID: 62, node-id, GW-Closet 203 gateway): Status 'idle', last seen '11/27/2020 08:01 pm', status 'good', modified on '09/03/2020 12:56 pm'.
- Contact Sensor** (ID: 10, node-id, GW-Closet 203 gateway): Status 'closed', last seen '12/02/2020 05:44 am', status 'good', modified on 'n/a'.
- Entry Light** (ID: 78, node-id, GW-Closet 203 gateway): Status 'idle', last seen '12/02/2020 05:44 am', status 'good', modified on 'n/a'.

The bottom right corner shows 'Items per page: 25' and '1 - 5 of 5'.

Step 6. Halfway down the page, check the “use preset” box

The screenshot displays the Busybee Apartment Automation web interface. The left sidebar contains navigation links: Dashboard, Alerts, Places, DIAGNOSTICS (with sub-links for Devices, Analytics, and Archived Reports), ADMINISTRATION (with sub-links for Residents, Users, Presets, Locations, Settings, Installer, History, Bulk Jobs, and HELP/FAQ).

The main content area is titled 'Devices' and shows a list of devices for '1643 Josephine', 'Floor 2', and '202'. The devices listed are:

- Thermostat** (ID 41, node id): GW-Closet 203 gateway. Status: idle. Temperature: 59°F (71°F target). Humidity: 42%. Last seen: 12/02/2020 05:00 pm. Status: good.
- Door Lock** (ID 9, node id): GW-Closet 203 gateway. Status: locked. Last seen: 11/27/2020 08:16 pm. Status: good.
- Leak/Freeze Sensor** (ID 62, node id): GW-Closet 203 gateway. Status: idle. Last seen: 11/27/2020 08:01 pm. Status: good.
- Contact Sensor** (ID 10, node id): GW-Closet 203 gateway. Status: closed. Last seen: 12/02/2020 05:44 am. Status: good.
- Entry Light** (ID 78, node id): GW-Closet 203 gateway.

The right-hand panel shows configuration options for a selected device. It includes fields for 'assignment' (Building: 1643 Josephine - Floor 2, Unit: Floor 2 - 202) and 'device' (Name, Type: Thermostat, Make: Honeywell, Model: TH6320ZW2003). The 'Use Preset' checkbox is highlighted with a red box. Below this, the 'modes' section shows 'Climate Mode' set to 'cool'.

Step 7. A drop-down menu will be displayed with all the previously created presets, select the preset you would like to apply

The screenshot displays the Busybee Apartment Automation web interface. On the left is a dark sidebar with navigation links: Dashboard, Alerts, Places, DIAGNOSTICS (highlighted), Devices, Analytics, Archived Reports, ADMINISTRATION (Residents, Users, Presets, Locations, Settings, Installer, History, Bulk Jobs), and HELP. The main content area is titled 'Devices' and shows a table of devices for '1643 Josephine', 'Floor 2', and '202'. The table lists five devices: Thermostat, Door Lock, Leak/Freeze Sensor, Contact Sensor, and Entry Light, each with its ID, status, and last update time. A configuration modal is open on the right, showing fields for 'assignment' (Building and Unit), 'device' (Name, Type, Make, Model), and a 'Preset' dropdown menu at the bottom, which is highlighted with a red rectangle.

Device	ID	Status	Last Update	Health
Thermostat	41	idle	12/02/2020 05:00 pm	good
Door Lock	9	locked	11/27/2020 08:16 pm	good
Leak/Freeze Sensor	62	idle	11/27/2020 08:01 pm	good
Contact Sensor	10	closed	12/02/2020 05:44 am	good
Entry Light	78			

Step 8. Click “submit”

The screenshot shows the Busybee Apartment Automation interface. The left sidebar contains navigation links: Dashboard, Alerts, Places, DIAGNOSTICS (with sub-links for Devices, Analytics, and Archived Reports), ADMINISTRATION (with sub-links for Residents, Users, Presets, Locations, Settings, Installer, History, Bulk Jobs, and HELP/FAQ). The main content area is titled 'Devices' and shows a list of devices for '1643 Josephine', 'Floor 2', and '202'. The devices listed are: Thermostat (41), Door Lock (9), Leak/Freeze Sensor (62), Contact Sensor (10), and Entry Light (78). A modal form is open on the right side, showing fields for 'assignment' (Building: 1643 Josephine - Floor 2, Unit: Floor 2 - 202), 'device' (Name, Type: Thermostat, Make: Honeywell, Model: TH6320ZW2003), and 'Preset'. The 'SUBMIT' button in the modal is highlighted with a red box.

Busybee
APARTMENT AUTOMATION

Dashboard
Alerts
Places
DIAGNOSTICS
Devices
Analytics
Archived Reports
ADMINISTRATION
Residents
Users
Presets
Build
Schedule
Locations
Settings
Installer
History
Bulk Jobs
HELP
FAQ

1643 Josephine
Floor 2
202

Devices

Device Type	ID	Location	Status	Temperature	Humidity	Last Update	Health
Thermostat	41	GW-Closet 203 gateway	idle	59°	42%	12/02/2020 05:00 pm	good
Door Lock	9	GW-Closet 203 gateway	locked			11/27/2020 08:16 pm	good
Leak/Freeze Sensor	62	GW-Closet 203 gateway	idle			11/27/2020 08:01 pm	good
Contact Sensor	10	GW-Closet 203 gateway	closed			12/02/2020 05:44 am	good
Entry Light	78	GW-Closet 203 gateway					

assignment

Building
1643 Josephine - Floor 2

Unit
Floor 2 - 202

device

Name

Type
Thermostat

Make
Honeywell

Model
TH6320ZW2003

Preset

CANCEL **SUBMIT**

You have now applied the preset to that apartment home

The screenshot displays the Busybee Apartment Automation web interface. The sidebar on the left contains navigation links: Dashboard, Alerts, Places, DIAGNOSTICS (highlighted), Devices, Analytics, and Archived Reports. Under DIAGNOSTICS, there are links for Residents, Users, Presets (with sub-links for Build and Schedule), Locations, Settings, Installer, History, Bulk Jobs, and HELP (with a link for FAQ).

The main content area is titled 'Devices' and shows a list of devices for unit 1643 Josephine, Floor 2, Unit 202. The devices are:

- Thermostat** (ID: 02cbbd3..., MAKE: honeywell, MODEL: TH6320ZW2003): Status is 'idle', setpoint is 'cool', current temperature is 62°F. Last update: 12/03/2020 09:55 am. Status is 'good'.
- Door Lock** (ID: 02cbe94..., MAKE: kwikset, MODEL: SMARTCODE838): Status is 'locked'. Last update: 11/27/2020 08:16 pm. Status is 'good'.
- Leak/Freeze Sensor** (ID: 02cc17bd..., MAKE: sensitive, MODEL: STRIPSDRIP): Status is 'idle'. Last update: 11/27/2020 08:01 pm. Status is 'good'.
- Contact Sensor** (ID: 02cc4e86..., MAKE: sensitive, MODEL: DWSTRIPS): Status is 'closed'. Last update: 12/03/2020 04:59 am. Status is 'good'.
- Entry Light** (ID: 4605540..., MAKE: ge): Status is not shown. Last update is not shown. Status is not shown.

The bottom right corner indicates 'Items per page: 25' and '1 - 5 of 5'.

Humidity Control Logic (HCL)

[BACK TO TOP](#)

The HIVE's HCL Feature

As mentioned in the previous section, humidity levels can be controlled by using the Humidity Control Logic (HCL) feature found in the preset section.

Utilizing the HCL feature allows the smart thermostat to run extra cooling cycles when high humidity is detected.

The HCL settings can be configured and applied to as many or as few apartments as required when using the presets and scheduling features.



The HIVE's HCL Feature

Using the HCL feature, the settings can be configured to meet the specific needs of the property. For example, the HCL set-point can be configured to 70% then when 71% is reached, the HCL will engage.

Humidity can be a major headache for many properties, as excessive humidity for even as little as a few days in a row can lead to mold growth. Even in units where the ambient temperature is as low as 70 degrees, if humidity consistently stays over 70% mold growth will start in as little as 2-3 days. The Busybee platform can ensure that relative humidity (RH) in all your controlled apartments will always stay at a safe and comfortable level using the Humidity Control Logic (HCL).

There are additional parameters available when attempting to lower the relative humidity with HCL. The following will cover additional settings that include examples.



Vocabulary

Setpoint - this is the RH value that would trigger HCL

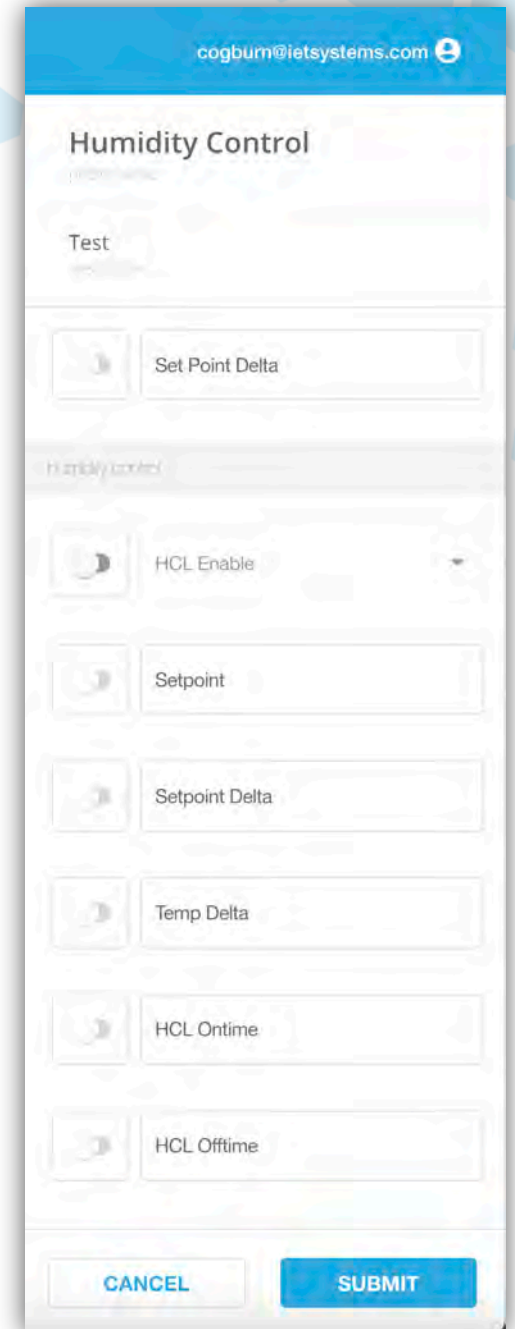
(ex. if HCL Setpoint is 70, then when 71% is reached, HCL will look to engage)

Setpoint Delta - this is how many degrees past the current RH setpoint the thermostat is allowed to surpass before attempting to lower RH with HCL

(ex. if HCL Setpoint is 70, and Setpoint Delta is 2, HCL will not engage until RH hits 72%)

Temp Delta - this is how many degrees past the current cooling setpoint the thermostat is allowed to cool to when attempting to lower RH with HCL

(ex. if CSP is 73, and HCL Temp Delta is 2, thermostat will stop cooling and end current HCL cycle when 71 degrees is reached even if RH is still above RH Setpoint)



The screenshot shows a mobile application interface for "Humidity Control". At the top, there is a blue header with the email "cogburn@ietsystems.com" and a user icon. Below the header, the title "Humidity Control" is displayed. A "Test" button is visible. The main settings area contains several toggle switches and input fields: "Set Point Delta", "HCL Enable", "Setpoint", "Setpoint Delta", "Temp Delta", "HCL Ontime", and "HCL Offtime". At the bottom, there are two buttons: "CANCEL" and "SUBMIT".

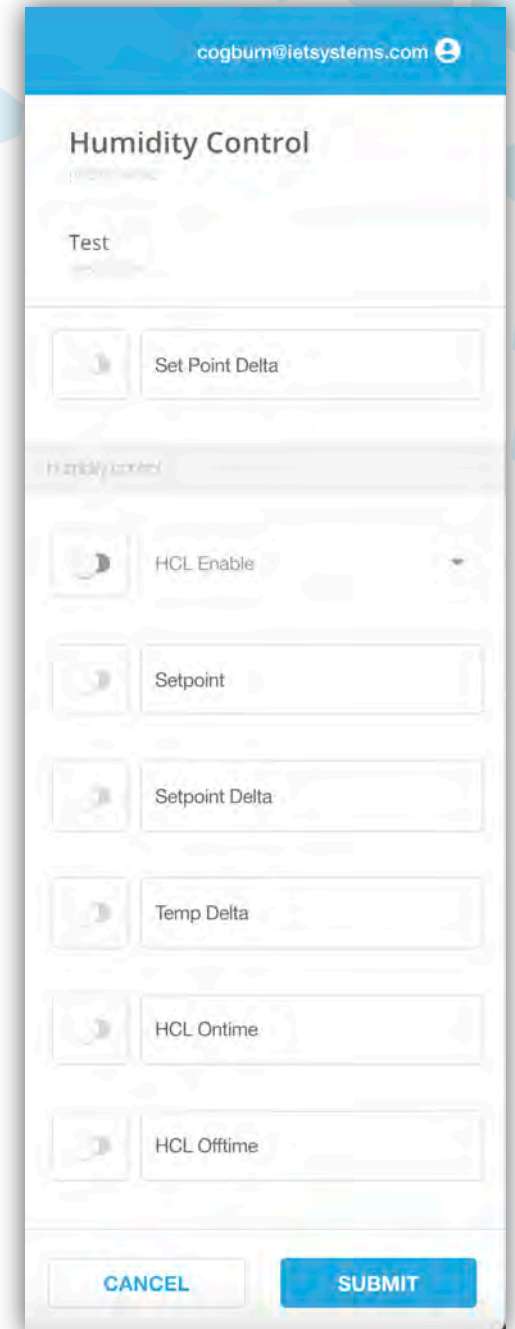
Vocabulary

HCL On time - this is the maximum amount of cycle time for a cooling cycle to remove humidity

(ex. if HCL On time is 30, then the thermostat will attempt to cool until RH level is below setpoint or for 30 minutes)

HCL Off time - this is the minimum amount of idle time that must occur before allowing HCL to trigger more cooling

(ex. if HCL Off time is 30, then the thermostat will wait 30 minutes after an HCL cycle has finished before running another HCL cycle)



The image shows a mobile application interface for "Humidity Control". At the top, there is a blue header bar with the email "cogburn@ietsystems.com" and a user icon. Below the header, the title "Humidity Control" is displayed. A "Test" button is visible. The main settings area includes several toggle switches and input fields: "Set Point Delta", "HCL Enable" (which is currently turned on), "Setpoint", "Setpoint Delta", "Temp Delta", "HCL Ontime", and "HCL Offtime". At the bottom of the screen, there are two buttons: "CANCEL" and "SUBMIT".