

# HRC Release Notes

## Release Notes for Hotel Room Controller



# Hotel Room Controller

The Hotel Room Controller (HRC) application package version 1.4 contains major updates of the HRC since initial launch in 2016. The update includes several new features, mainly around connectivity to other peripherals and addition of the glass touch panel.



## IMPORTANT INFORMATION WHEN UPGRADING FROM VERSION 0.9.8.2:


- When upgrading the HRC application package from version 0.9.8.2 to version 1.1, the existing configuration and data in the HRC will be lost. Make sure to export the HRC configuration into a json file BEFORE the upgrade. The configuration can be restored after the upgrade by importing the json file.
- An HRC with application package 0.9.8.2 MUST be upgraded to version 1.1 BEFORE upgrading to version 1.3 or higher. A direct upgrade from 0.9.8.2 to 1.3 or higher will cause an issue with the HRC web interface password and the web interface will not be accessible. This issue is solved by downgrading to version 1.1. The HRC could then be upgraded to version 1.3 or higher.

## VERSION MANAGEMENT

FIRMWARE VERSION	RELEASE DATE	PAGES
Version 1.4	March 2018	3-6
Version 1.3	August 2017	7-9
Version 1.1	July 2016	9-11

# HRC Version 1.4

## ENHANCEMENTS AND NEW FEATURES - VERSION 1.4

FEATURE	DESCRIPTION
1	<p><b>Enhanced Occupancy Control</b></p> <ul style="list-style-type: none"> <li>• Configuration of "Delay off time of motion sensor".</li> <li>• Add motion disable timer when room switches to Standby mode. This prevents false motion detection when a curtain is configured in the Master Off Scene.</li> <li>• Add sensor warm up timer. This prevents inaccurate sensor status during a power cycle.</li> <li>• Add Staff Unoccupied Timer. In Unrented mode, when the door is closed, the Master Off is only triggered if no motion is being detected for the given period.</li> <li>• Add Intelligent Staff Identify check. This assumes the door is kept open when staff performs service in the guest room. This feature could prevent staff from altering the guest scene when restore mode is enabled. It can also provide more efficient energy savings detection when staff depart the guest room.</li> </ul> 

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2	<p><b>Enhance Glass Touch Panel Support</b></p> <ul style="list-style-type: none"> <li>• Supports Auto Mapping of Glass Touch Panel logic for DND, MUR, BELL and Thermostat control. If the Auto Mapping function is enabled, the user will not need to (or be allowed) to add input logic for DND, MUR, BELL, Setpoint and Fan control. The HRC application will automatically determine the mapping relationship based on the button functions.</li> <li>• Allow user to add all the discovered panels with a single click.</li> <li>• Added scene status indicator for trigger scene in Glass Touch Panel: <ul style="list-style-type: none"> <li>» Once the guest presses a scene button the backlight turns on. The other button being configured to control the same scene also turns on.</li> <li>» The backlight of the scene button turns off when the guest switches to another scene.</li> <li>» Toggling the change of light status will not alter the scene backlight.</li> </ul> </li> <li>• Added Night Light status indicator on panels: a new feature, "Night Light", allows the backlight to always stay On during the evenings, and Off during the day.</li> <li>• Supports TC500 + Glass Touch Panel solution.</li> </ul>																														
3	<p><b>Support Integration with Panasonic VRF Room Controller (SE8150)</b></p> <div data-bbox="415 646 1438 995" style="text-align: center; border: 1px solid #ccc; padding: 10px; background-color: #f9f9f9;"> <p>Thermostats</p> <p>Setting ...</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Index</th> <th>Thermostat Type</th> <th>Modbus ID</th> <th>Baud Rate</th> <th>Parity</th> <th>Network Units</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>SE8150 ▼</td> <td>80</td> <td>9600</td> <td>Odd</td> <td>Imperial</td> </tr> <tr> <td>2</td> <td>SE8150 ▼</td> <td>81</td> <td>9600</td> <td>Odd</td> <td>Imperial</td> </tr> <tr> <td>3</td> <td>SE8150 ▼</td> <td>82</td> <td>9600</td> <td>Odd</td> <td>Imperial</td> </tr> <tr> <td>4</td> <td>SE8150 ▼</td> <td>83</td> <td>9600</td> <td>Odd</td> <td>Imperial</td> </tr> </tbody> </table> </div> <ul style="list-style-type: none"> <li>• The HRC may set the SE8150 to a different setpoint/fan mode (configurable) based on room occupancy.</li> <li>• The following SE8150 Objects are accessible via BACnet Interface of HRC: Room Temperature, Room Humidity, Occupied Setpoint, System Mode, Fan Mode, Temperature Scale, Display Language, PIR Motion, Door Status, Window Status and Motion Status.</li> <li>• A maximum 4 SE8150s are supported.</li> </ul>	Index	Thermostat Type	Modbus ID	Baud Rate	Parity	Network Units	1	SE8150 ▼	80	9600	Odd	Imperial	2	SE8150 ▼	81	9600	Odd	Imperial	3	SE8150 ▼	82	9600	Odd	Imperial	4	SE8150 ▼	83	9600	Odd	Imperial
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4	<p><b>Support switching Temperature Data between °C and °F</b></p> <p>The data unit for BACnet Objects and Web Interface will change accordingly.</p>																														

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5	<p><b>Support Configuring Lower DALI Dimming Levels in Scenes</b></p> <ul style="list-style-type: none"> <li>For C-Bus: 0-10 volt dimming may configure to a minimum of 1% in scenes.</li> <li>For DALI: may configure to a minimum of 0.1% in scenes.</li> </ul> <div style="border: 1px solid #ccc; padding: 10px; margin: 10px 0;"> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p><b>Master On</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Device</th> <th>Value</th> </tr> </thead> <tbody> <tr><td>Lamp SPO</td><td>On</td></tr> <tr><td>Luggage Area</td><td><input type="text" value="0.5"/></td></tr> <tr><td>Living Area</td><td><input type="text" value="1"/></td></tr> <tr><td>Large Pendant</td><td><input type="text" value="100"/></td></tr> <tr><td>LED Strips</td><td><input type="text" value="100"/></td></tr> <tr><td>Robe LED Strip</td><td><input type="text" value="100"/></td></tr> <tr><td>Bed-Pendant-Wndw</td><td><input type="text" value="100"/></td></tr> <tr><td>Bed-Pendant</td><td><input type="text" value="100"/></td></tr> <tr><td>Bed-Reading-Wndw</td><td><input type="text" value="100"/></td></tr> <tr><td>Bed-Reading</td><td><input type="text" value="100"/></td></tr> </tbody> </table> </div> <div style="text-align: center;"> <p><b>Master Off</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Device</th> <th>Value</th> </tr> </thead> <tbody> <tr><td>Lamp SPO</td><td>Off</td></tr> <tr><td>Exhaust Fan 1</td><td>Off</td></tr> <tr><td>Exhaust Fan 2</td><td>Off</td></tr> <tr><td>Volume OFF</td><td>On</td></tr> <tr><td>Luggage Area</td><td><input type="text" value="0"/></td></tr> <tr><td>Living Area</td><td><input type="text" value="0"/></td></tr> <tr><td>Large Pendant</td><td><input type="text" value="0"/></td></tr> <tr><td>LED Strips</td><td><input type="text" value="0"/></td></tr> <tr><td>Robe LED Strip</td><td><input type="text" value="0"/></td></tr> <tr><td>Bed-Pendant-Wndw</td><td><input type="text" value="0"/></td></tr> </tbody> </table> </div> </div> </div>	Device	Value	Lamp SPO	On	Luggage Area	<input type="text" value="0.5"/>	Living Area	<input type="text" value="1"/>	Large Pendant	<input type="text" value="100"/>	LED Strips	<input type="text" value="100"/>	Robe LED Strip	<input type="text" value="100"/>	Bed-Pendant-Wndw	<input type="text" value="100"/>	Bed-Pendant	<input type="text" value="100"/>	Bed-Reading-Wndw	<input type="text" value="100"/>	Bed-Reading	<input type="text" value="100"/>	Device	Value	Lamp SPO	Off	Exhaust Fan 1	Off	Exhaust Fan 2	Off	Volume OFF	On	Luggage Area	<input type="text" value="0"/>	Living Area	<input type="text" value="0"/>	Large Pendant	<input type="text" value="0"/>	LED Strips	<input type="text" value="0"/>	Robe LED Strip	<input type="text" value="0"/>	Bed-Pendant-Wndw	<input type="text" value="0"/>
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6	<p><b>Optimized Toggle Scene Behavior</b></p> <p>New Toggle scene behavior:</p> <ul style="list-style-type: none"> <li>If current lighting condition matches Scene 1, then trigger Scene 2.</li> <li>If current lighting condition matches Scene 2, then trigger Scene 1.</li> <li>If neither scene matches, then trigger Scene 2.</li> </ul> <p>This enhancement could be used to satisfy the requirement from Conrad to synchronize two toggle scenes.</p> <div style="border: 1px solid #ccc; padding: 10px; margin: 10px 0;"> <p style="text-align: center; font-weight: bold;">Input Mapping</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>No.</th> <th>Function</th> <th>Physical Input</th> <th>Target</th> </tr> </thead> <tbody> <tr> <td rowspan="2" style="text-align: center;">1</td> <td rowspan="2" style="text-align: center;">Toggle Scene</td> <td rowspan="2" style="text-align: center;">DI1</td> <td>scene 1: All On</td> </tr> <tr> <td>scene 2: All Off</td> </tr> <tr> <td rowspan="2" style="text-align: center;">2</td> <td rowspan="2" style="text-align: center;">Toggle Scene</td> <td rowspan="2" style="text-align: center;">DI2</td> <td>scene 1: Relax</td> </tr> <tr> <td>scene 2: All Off</td> </tr> <tr> <td style="text-align: center;">3</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> </div> <p>If the current scene does not match All On/Relax (half on), pressing any button will trigger the All Off scene.</p>	No.	Function	Physical Input	Target	1	Toggle Scene	DI1	scene 1: All On	scene 2: All Off	2	Toggle Scene	DI2	scene 1: Relax	scene 2: All Off	3																													
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## FIXES

FIX	DESCRIPTION
1	<p><b>Value Reverts when Changing Setpoint in Glass Touch Panel</b></p> <p>This issue occurs during a quick and short press of the +/- setpoint button in the Glass Touch Panel.</p>
2	<p><b>Buzzer</b></p> <p>The Buzzer and Sleep mode feature does not operate for Glass Touch Panels.</p>
3	<p><b>HVAC Occupancy</b></p> <p>Change of HVAC occupancy setting in BACnet Objects (Standby Cool Setpoint, Standby Fan Mode) will not synchronize to the configuration in the scene settings.</p>
4	<p><b>Compatibility Between TC303 and Glass Touch Panel Integration</b></p> <p>The Modbus frame of new batches of TC303 has a longer end of frame signal and causes confliction with other Modbus devices in the network.</p> <p>The issue is solved by increasing the delay of sending a subsequent Modbus message from 10ms to 20ms.</p>

## KNOWN LIMITATIONS

LIMITATION	DESCRIPTION
1	<p><b>Revert to Earlier Firmware Version</b></p> <p>When reverting from Firmware version 1.32 to an earlier version, the temperature related points will not be revert back correctly.</p> <p>The points include: Min Cool Setpoint, Max Heat Setpoint, Welcome Setpoint, Standby Cool Setpoint, Standby Heat Setpoint, Unoccupied Cool Setpoint, Unoccupied Heat Setpoint, and Dead band.</p>
2	<p><b>System Upgrade for Version 1.0x Data Lost</b></p> <p>Upgrading the HRC from any Firmware 1.0.x version (prior to 1.1) will cause the loss of all existing data in the HRC database. To keep the existing data, backup of the database MUST be performed prior to the upgrade. Once the HRC has been upgraded to the latest version, use the backup to reload the HRC database (configuration).</p>
3	<p><b>Long/Short Press Detection on Glass Touch Panels</b></p> <p>When there are more than 6 glass touch panels with at least 2 thermostats connected to the HRC, it is recommended to set the long/short press detection interval to 1 second.</p>
4	<p><b>Room Number Beta Version of the Pulse Meter Data Lost</b></p> <p>When upgrading from Firmware version 1.1 to Firmware version 1.4, the room number and pulse meter (Beta version) data will be lost. The room number is only used internally on the HRC configuration page. If needed, it is possible to back-up the database and restore it after the upgrade.</p>
5	<p><b>Multiple SE8000 Room Controllers</b></p> <ul style="list-style-type: none"> <li>• Temperature Unit and Language are not synchronized between the SE8000 Room Controllers. The temperature units are not synchronized between all SE8000 Room Controllers if locally changed on the SE8000.</li> <li>• Fan Menu, Operation Sequence is only a local setting for each SE8000 Room Controller. The fan menu is only a local setting to each SE8000 Room Controller and is not synchronized between all SE8000 Room Controllers.</li> <li>• Some BACnet Objects are applied on the Master SE8000.</li> <li>• The dead band, occupied cooling setpoint, and occupied heating setpoint are only applied to the "Master" SE8000 Room Controller.</li> </ul>

# HRC Version 1.3

## ENHANCEMENTS AND NEW FEATURES - VERSION 1.3

FEATURE	DESCRIPTION
1	<p><b>Support for Glass Touch Panels</b></p> <p>The HRC supports up to 10 glass touch panels via Modbus. The HRC configuration allows to assign function of each button (temperature control, lighting control, curtain control, courtesy control and more).</p>
2	<p><b>Support for Multiple TC300/TC500 Thermostats</b></p> <p>The HRC supports up to 4 TCxxx thermostats allowing deployment of the HRC in hotel suites with more than one fan coil unit.</p>
3	<p><b>Support for Multiple SE8000 Room Controllers</b></p> <p>The HRC supports up to 4 SE8000 Room Controllers allowing deployment of HRC in hotel suites with more than one fan coil unit.</p>
4	<p><b>Support Pulse Meters</b></p> <p>The HRC supports 1 pulse meter (iEM2010, iEM1sr or any pulse meter up to 2KHz frequency) for power/energy metering.</p>
5	<p><b>Support Toggle Dimmer</b></p> <p>The HRC allows to assign an input to toggle a dimmer output. This allows support of dimming as well as to toggle ON/OFF a dimming light.</p>
6	<p><b>Support 'FanSpeed - ON/OFF' Toggle Control</b></p> <p>The HRC allows to assign an input to turn ON/OFF the fan. This allows to use a toggle button instead of two dedicated buttons for turning ON/OFF the fan.</p>
7	<p><b>Support of Multiple Wired Motion Sensors</b></p> <p>The HRC supports up to 6 wired motion sensors. This allows to improve motion detection and the guest room occupancy management.</p>
8	<p><b>Support of 2-gang Dimming Switch to turn ON/OFF Light</b></p> <p>The HRC supports a short press to turn ON/OFF light with a 2-gang dimming switch. A long press on the button dims the light up or down.</p>
9	<p><b>Support of Minimum and Maximum Setpoints for SE8000, TC300 and TC500</b></p> <p>The HRC allows to configure the minimum setpoint and maximum setpoint as global settings for the SE8000 Room Controller, as well as TC300 and TC500 thermostats.</p>
10	<p><b>DALI Integration</b></p> <p>The HRC supports DALI devices connected via the C-Bus/DALI gateway. The HRC supports up to 32 DALI groups (16 on line A and 16 on line B), up to 16 scenes per line and allows group control (ON/OFF, dimming and scene trigger).</p> <p><b>NOTE:</b> This feature is in BETA version and available only for early adopters.</p>

## FIXES

FIX	DESCRIPTION
1	<p><b>Scene #13 and #14 do not work Properly</b></p> <p>Previously to the fix, when scene #13 was activated, it was actually applied the "Day-Return" scene instead of the defined scene #13. Scene #14 was actually applied the "Night-Return" scene instead of the defined scene #14.</p>
2	<p><b>HRC Configuration Syntax Errors</b></p> <p>Several syntax errors on the HRC configuration web pages were corrected.</p>
3	<p><b>SE8000 Window Sensor Status not Reflected in BACnet</b></p> <p>When the wireless window sensor is configured and attached to the SE8000 Room Controller, the BACnet window status is now reflected to show the window opened/closed state.</p>
4	<p><b>TC3xx Object Mismatch</b></p> <p>The TC3xx fan mode object "Auto" is now set when setting it via BACnet or when it is configured in HVAC scenes.</p>

## KNOWN LIMITATIONS

LIMITATION	DESCRIPTION
1	<p><b>HRC Configuration Access</b></p> <p>The HRC supports up to 4 concurrent sessions.</p>
2	<p><b>System Upgrade for Version 1.0x Data Lost</b></p> <p>Upgrading the HRC from any 1.0.x version (prior to 1.1) will cause the loss of all existing data in the HRC database. To keep the existing data, backup of the database MUST be performed prior to the upgrade. Once the HRC has been upgraded to the latest version, then use the backup to reload the HRC database (configuration).</p>
3	<p><b>Modbus Baud Rate when Supporting Multiple Mixed Modbus Devices</b></p> <p>When multiple devices (such as glass touch panels, SE8000, TC300 and TC500) are connected to the HRC, all Modbus devices MUST be configured to 38400 bps for optimal performance.</p>
4	<p><b>TC300 Response Time</b></p> <p>When connecting multiple Modbus devices to the HRC, it requires less than 500ms on average to poll all devices. However the TC300 can occasionally take up to 5 seconds to respond.</p>
5	<p><b>Glass Touch Panels Backlight Cannot be Configured Individually</b></p> <p>The button's backlight level of all glass touch panels is a global setting, and therefore, the button backlight level cannot be configured individually.</p>
6	<p><b>Compatibility between TC500 and Glad Touch Panels</b></p> <p>The Modbus configuration of the TC500 is not compatible with the glass touch panels Modbus configuration, and therefore, it is not possible to connect TC500 thermostats and the glass touch panel to the HRC.</p>
7	<p><b>Long/Short Press Detection on Glass Touch Panels</b></p> <p>When there are more than 6 glass touch panels with at least 2 thermostats connected to the HRC, it is recommended to set the long/short press detection interval to 1 second.</p>
8	<p><b>Room Number Beta Version of the Pulse Meter Data Lost</b></p> <p>When upgrading from version 1.1 to version 1.3, the room number and pulse meter (Beta version) data will be lost. The room number is only used internally on the HRC configuration page. If needed, it is possible to back-up the database and restore it after the upgrade.</p>
9	<p><b>First SE8000 Room Controller is Considered as the Master</b></p> <p>The first SE8000 Room Controller added to the HRC is considered as the master, while the other SE8000 Room Controllers are considered as slaves.</p>
10	<p><b>All Sensors must be Connected to the Master SE8000 Room Controller</b></p> <p>All sensors must be connected to the "master" SE8000 room controller.</p>
11	<p><b>Temperature Unit is Not Synchronized Between the SE8000 Room Controllers</b></p> <p>The temperature units are not synchronized between all of the SE8000 Room Controllers if locally changed on the SE8000.</p>



## KNOWN LIMITATIONS

LIMITATION	DESCRIPTION
12	<p><b>Language is not Synchronized between the SE8000 Room Controllers</b></p> <p>The languages are not synchronized between all SE8000 Room Controllers if locally changed on the SE8000.</p>
13	<p><b>Fan Menu is only a Local Setting to each SE8000 Room Controller</b></p> <p>The fan menu is only a local setting to each SE8000 Room Controller and is not synchronized between all SE8000 Room Controllers.</p>
14	<p><b>Operation Sequence is only a Local Setting to each SE8000 Room Controller</b></p> <p>The operation sequence is only a local setting to each SE8000 Room Controller and is not synchronized between all SE8000 Room Controllers.</p>
15	<p><b>Some BACnet Objects are Applied on the Master SE8000</b></p> <p>The deadband, occupied cooling setpoint, and occupied heating setpoint are only applied to the "master" SE8000 Room Controller.</p>
16	<p><b>Curtains not Supported in the Restore Scene</b></p> <p>Currently the curtain's last state is not included in the restore scene.</p>
17	<p><b>Change Setpoint on SE8000 or TC300 could take up to 5 Seconds to Reflect on Glass Touch Thermostat</b></p> <p>When changing the setpoint locally on the SE8000 or TC300, it could take up to 5 seconds to update the new setpoint on the glass touch thermostat.</p>
18	<p><b>DALI Support</b></p> <p>The DALI failure report is Beta version only and not supported in this release.</p>

# HRC Version 1.1

## ENHANCEMENTS AND NEW FEATURES - VERSION 1.1

FEATURE	DESCRIPTION
1	<b>Lights and Scenes</b> Extended support for up to 48 lights (on/off lights and dimmers) and up to 16 scenes.
2	<b>I/O Extension Modules (EP14R)</b> Extended support for up to 10 EP14R expansion modules. More information: <a href="#">Link</a>
3	<b>Glass Touch Panels</b> Enabled communication with Glass Touch Panels. More information: <a href="#">Link</a>
4	<b>C-Bus</b> Enabled communication with C-bus devices.
5	<b>ZENcelo &amp; ULTI ELV Keycard</b> Support of ZENcelo & ULTI ELV keycard devices.
6	<b>TC300 &amp; TC500 Device Support</b> Drive TC300 and TC500 based on the room occupancy, such as enabled control of setpoint, fan speed and system mode from GRMS and Adapti-Apps. <ul style="list-style-type: none"> <li>• Room empty --&gt; go to Eco mode</li> <li>• Room is occupied --&gt; go to Occupied mode</li> </ul>
7	<b>AdaptiApps - BYOD</b> Validated AdaptiApps BYOD feature compatibility with Hotel solution.
8	<b>AdaptiApps - Widgets for 1.1.+</b> Developed new AdaptiApps Widgets for compatibility with HRC Application Package 1.1.+
9	<b>Restore on Power</b> Lights and courtesy status are restored if the HRC is power cycled.
10	<b>USB Field Upgrade</b> Now possible to upgrade the application package using a USB flash drive. More information: <a href="#">Link</a>
11	<b>Bootup Time</b> Reduced boot time of HRC from 1 minute to approximately 12 seconds.
12	<b>Pulse Counting</b> Support of pulse counting from devices such as iEM2010, iME1zr or other power meters with pulse output feature (1 input maximum / HRC).

## FIXES

FIX	DESCRIPTION
1	TC300 and TC500 setpoints corrected.
2	Support Touch Panel option can now be saved.
3	BELL now operational when importing json file from 0.9.8.2 to 1.1.0.3.
4	DND/MUR configuration now present when importing json file from 0.9.8.2 to 1.1.0.3.
5	DND/MUR or BELL now operational in version 1.1.0.2 for both ELV or non-ELV.
6	C-Bus can now be disabled.
7	Configuration now present when importing json file from 0.9.8.2 to 1.1.0.2.
8	Staff scene dimmer turns off after maid leaves the room.
9	Local room control stays disabled if keycard is not inserted.
10	Faulty motion no longer triggered by curtain movement when room is unoccupied.
11	C-Bus now able to import configuration from json file.
12	Curtain control MV objects now show relevant text.
13	HRC no longer reboots continuously after defining a dimmable light.
14	Dimmable function for Lights now operational.
15	Additional fields added to declare DO in HRC configuration as well as in the Scenes section.

## KNOWN LIMITATIONS AND ISSUES

LIMITATION	DESCRIPTION
1	<p><b>System Upgrade</b></p> <p>Upgrading the HRC from any previous version to version 1.1 will cause all existing data in the database to be lost. To keep the existing data, a backup of the database must be performed prior to the upgrade and re-loaded once the HRC has been upgraded to the new version. Make sure to note this limitation before upgrading an existing site.</p>
2	<p><b>Number of open HRC webpage sessions</b></p> <p>The HRC supports a maximum of 4 concurrent sessions.</p>
3	<p><b>Glass Touch Panel</b></p> <p>Cannot change setpoints by 0.5°C increments and unstable glass touch panel discovery process.</p>
4	<p><b>Fahrenheit Setpoint</b></p> <p>Cannot increase/decrease setpoints by 0.5°F increments.</p>
5	<p><b>AdaptiApps</b></p> <p>Incorrect state of lights displays momentarily.</p>
6	<p><b>Dashboards</b></p> <p>Do not reflect correct Door and Window status.</p>
7	<p><b>DO Indicator</b></p> <p>Monitor page sometimes rebounds when toggled.</p>
8	<p><b>GRMS Dashboard</b></p> <p>Floor summary units show only in °F. Dashboard also requires modification.</p>
9	<p><b>Lua4RC</b></p> <p>Kaba door status is not reflected in occupancy status.</p>
10	<p><b>C-Bus</b></p> <p>Creates groups in C-Bus Toolkit.</p>
11	<p><b>AO Dimming</b></p> <p>Analog Output dimming cannot be configured using Analog Input buttons.</p>
12	<p><b>Expansion Module</b></p> <p>Expansion Module goes offline after USB application upgrade.</p>