
INNtool/ Release notes

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Version: **1.00.07**

Date: **13-August-2021**

Revision History

Version	Date	Description	Author
1.00.00	17-Mar-2016	First draft document	AAN
1.00.01	25-Aug-2017	Appended subsection in Changes from previous version as old version changes	AAN
1.00.02	8-Dec-2017	Appended subsection in Changes from previous version as old version changes	SAK
1.00.03	11-Mar-2019	Updated for released version of INNtool 2.0	AKS
1.00.04	24-Dec-2019	Updated for released version of INNtool 2.10	AKS
1.00.05	14-Jan-2021	Updated for released version of INNtool 2.11	AKS
1.00.06	01-Apr-2021	Updated for released version of INNtool 2.12	AKS
1.00.07	13-Aug-2021	Updated for released version of INNtool 2.13	AKS

Review

File Name	INNtool 2.13 release notes.docx
Document	INNtool Release Note
Revision	1.00.07
Reviewer	Haresh
Done until	13 August 2021

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1 Purpose

The document specifies the features supported in INNtool version 2.10

The purpose of the Release Notes is to communicate the major new features/enhancements/defect fixes in this release of the INNtool Software. It also documents known problems and its respective work-around as applicable.

2 Standards and References

2.1 Standards

Ref.	Title	Author	Date
#N1	NA	NA	NA
#N2			

2.2 References

Ref.	Title	Author	Date
#R1			
#R2			
#R3			

3 Abbreviations

Abbreviation	Meaning
EMS	Energy management system
UI	User interface

4 Definitions

Definition	Meaning

5 Installation Procedure

Installation procedure mentioned here is for internal Honeywell users only. Outside users like ASIs, should get the latest INNtool through INNCOM (dealer's area) website.

Prerequisite: Valid internet connectivity for installation and connected to Honeywell network

Note –

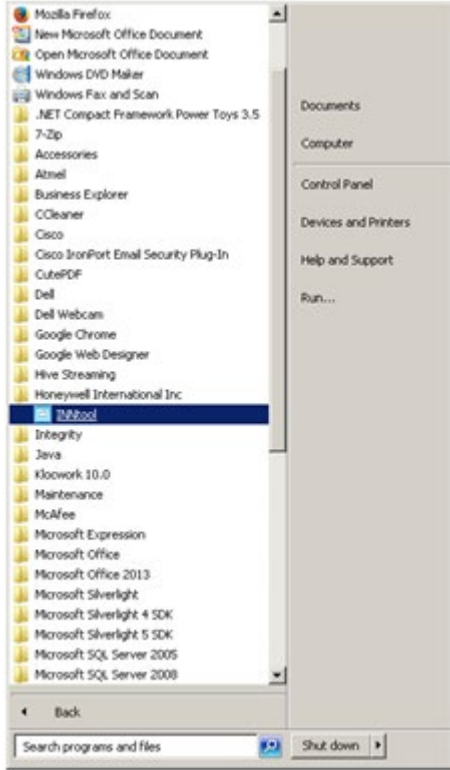
1. **New installation** – Following apply for fresh installation -
 - Please copy and paste this link (<\\CT24DTC06KRW1\poc>) in Windows Explorer.
 - Double Click to open the setup.exe and install the application.
 - Once installed, double click the shortcut created on the desktop to open the INNtool.
 - The application will automatically check for updated versions before it starts, and update with your permission if a newer version is available

2. Update existing

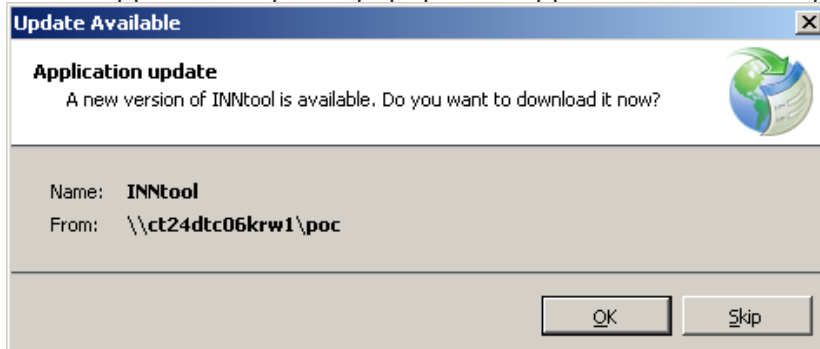
This procedure shall work for already installed INNtool users

Following steps needs to follow for update

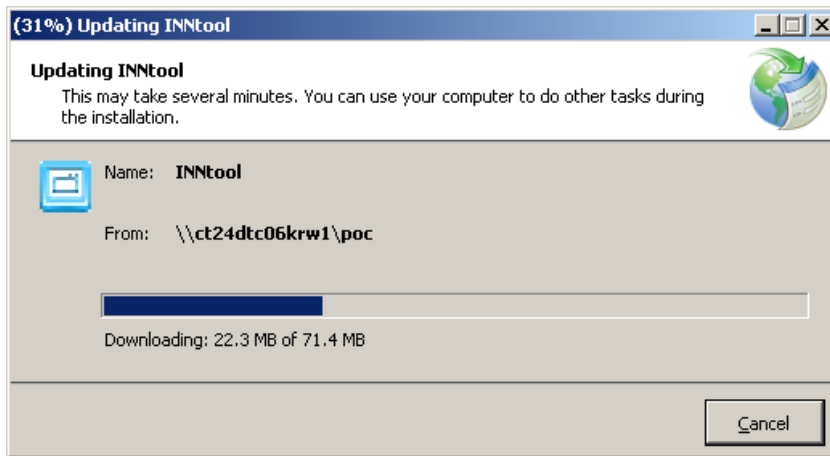
- Run installed INNtool as per below screen



- Application update popup shall appear click "Ok" to update.



- Wait while the update is being downloaded.



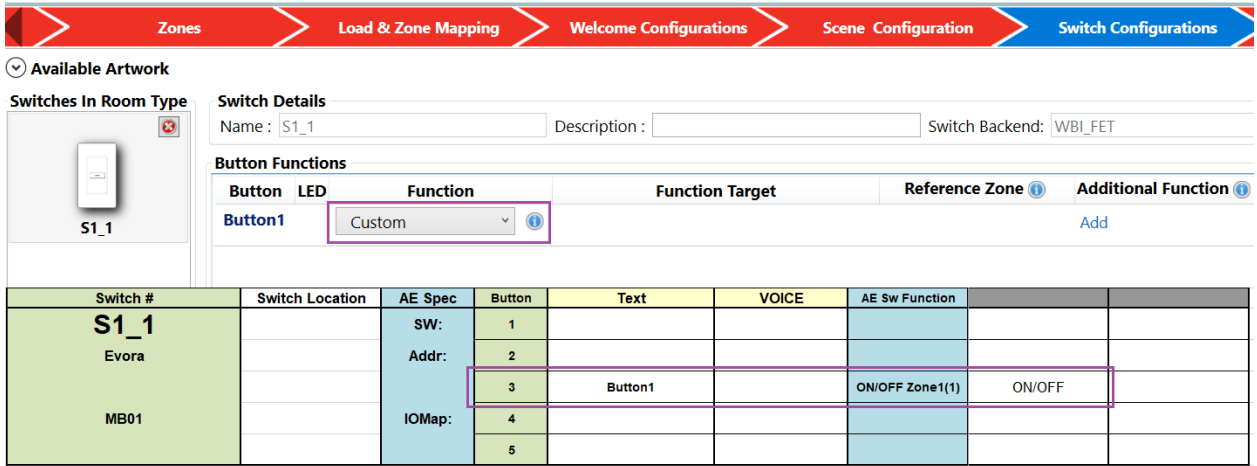
- INNtool shall open once download completed.

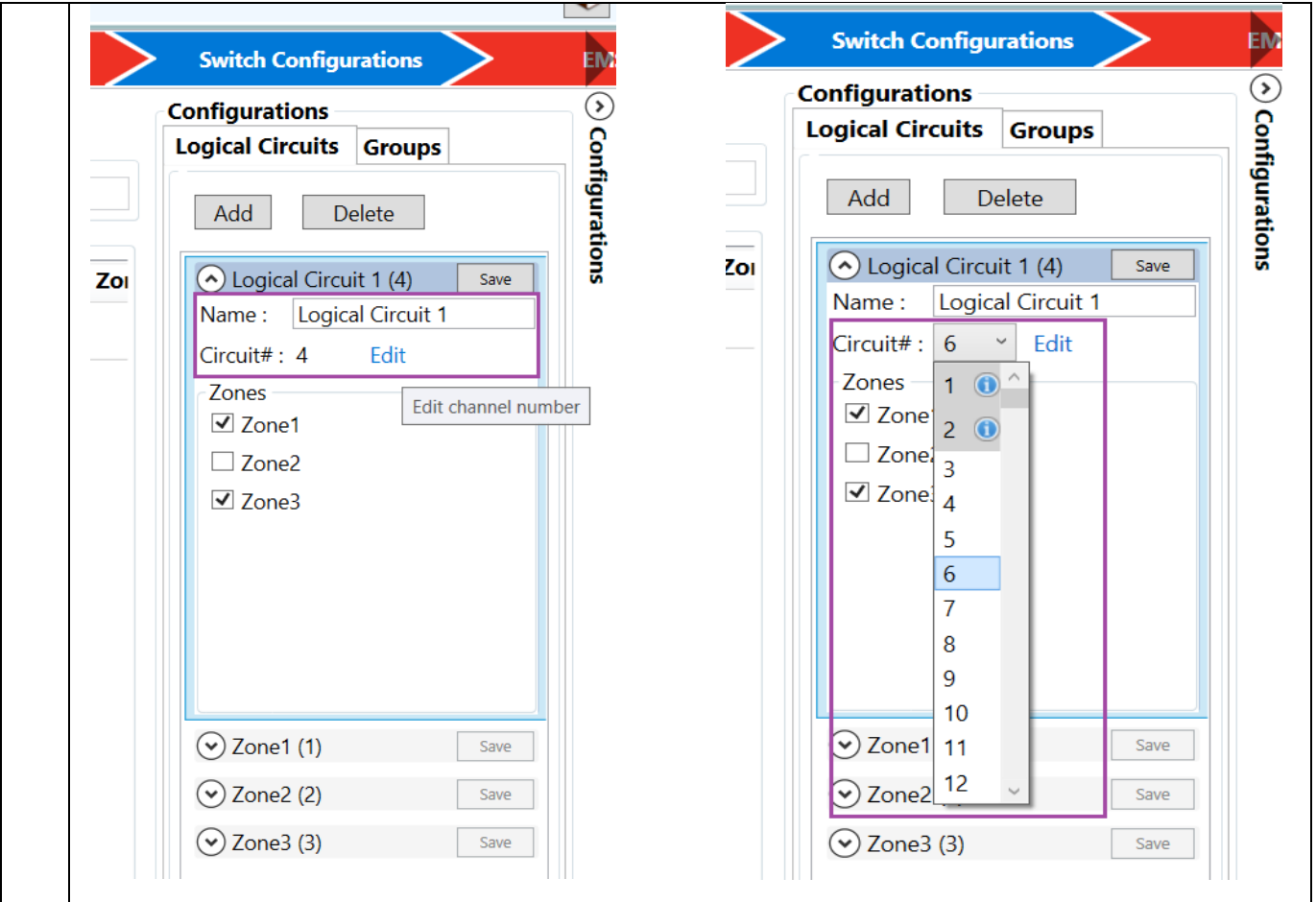
6 Supported Operating Systems

Windows 7 (English) 32 and 64 bit

7 Changes from previous version

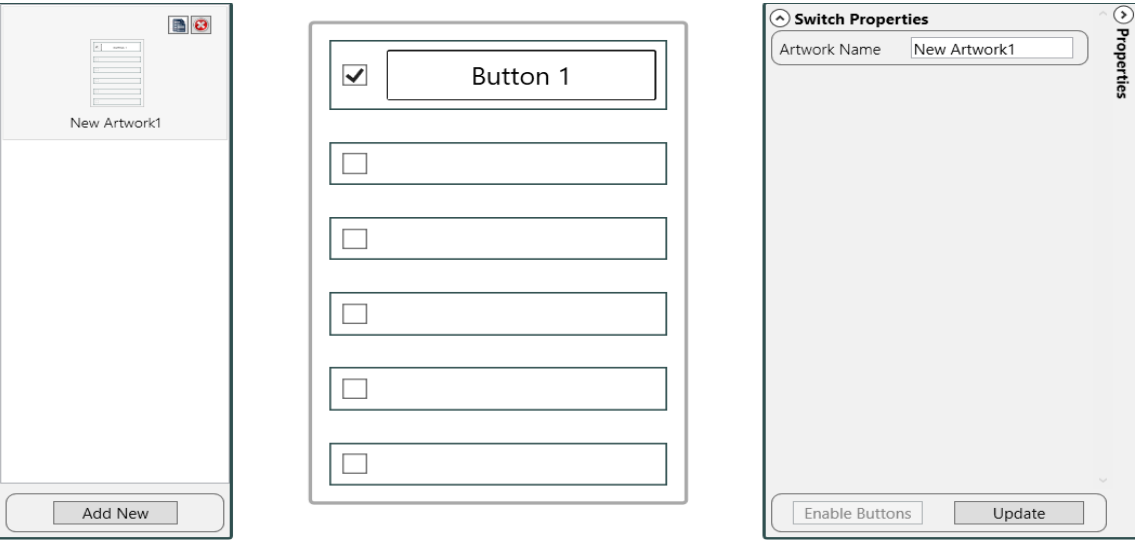
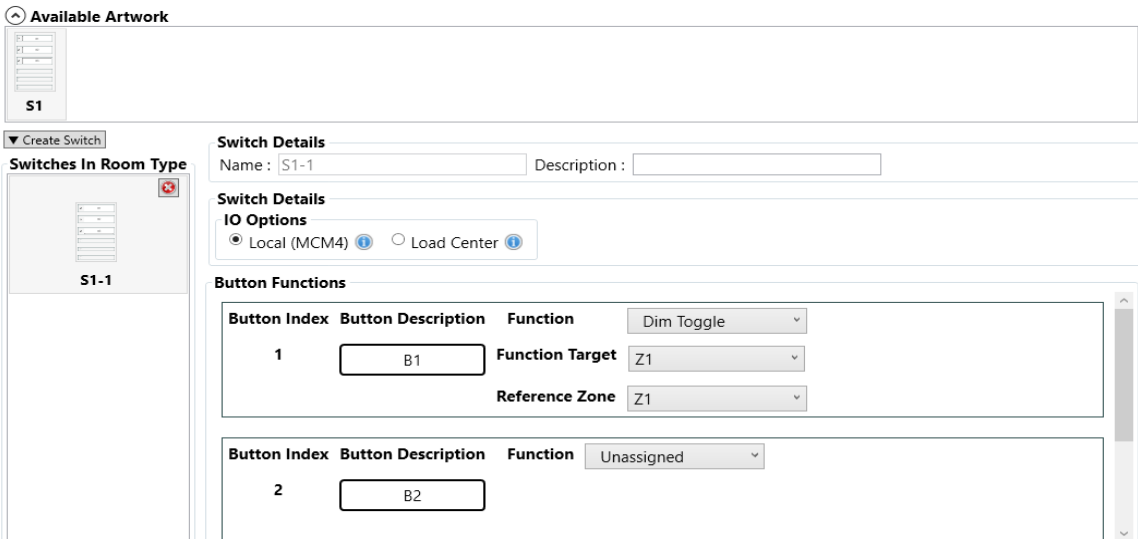
7.1 Version 2.13

S. No.	Enhancements/ changes																																																		
1	Roomtype specific wiring diagram for e7 with all variations of VRV/VRF is supported in INNtool.																																																		
2	File created in EngINN can now be opened in INNtool.																																																		
3	<p>Custom button function will now hold previously selected valid button configurations and SFT will display it as it is.</p>  <p>The screenshot shows the 'Switch Configurations' screen in INNtool. It features a navigation bar with steps: Zones, Load & Zone Mapping, Welcome Configurations, Scene Configuration, and Switch Configurations. Under 'Available Artwork', there's a section for 'Switches In Room Type' showing a switch icon for 'S1_1'. To the right, 'Switch Details' includes fields for Name (S1_1), Description, and Switch Backend (WBI_FET). Below that, the 'Button Functions' table is visible, with a purple box highlighting the 'Custom' function selected for 'Button1'. At the bottom, a detailed configuration table is shown:</p> <table border="1"> <thead> <tr> <th>Switch #</th> <th>Switch Location</th> <th>AE Spec</th> <th>Button</th> <th>Text</th> <th>VOICE</th> <th>AE Sw Function</th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td rowspan="5">S1_1 Evora MB01</td> <td></td> <td>SW:</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>Addr:</td> <td>2</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>3</td> <td>Button1</td> <td></td> <td>ON/OFF Zone1(1)</td> <td>ON/OFF</td> <td></td> </tr> <tr> <td></td> <td>IOMap:</td> <td>4</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>5</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Switch #	Switch Location	AE Spec	Button	Text	VOICE	AE Sw Function			S1_1 Evora MB01		SW:	1							Addr:	2								3	Button1		ON/OFF Zone1(1)	ON/OFF			IOMap:	4								5					
Switch #	Switch Location	AE Spec	Button	Text	VOICE	AE Sw Function																																													
S1_1 Evora MB01		SW:	1																																																
		Addr:	2																																																
			3	Button1		ON/OFF Zone1(1)	ON/OFF																																												
		IOMap:	4																																																
			5																																																
4	User can now edit Logical Circuit Number in switch function configuration.																																																		



- 5 Issue fixed:
- a. P5 Floss server was getting enabled by default in the e7/ room gateway.
 - b. Allowed configuration write to write P5 Cached NVRAM every time even 193_6 registry CRC matched. By doing this EngINN makes sure that server configuration shall always remain updated in a device.
 - c. Setting of Lock Proxy to Salto RF by default when no CELS selected is fixed.
 - d. INNtouch devices, EMS devices and other device address related issues fixed.
 - e. EngINN/INNtool sets the "SYNFIL" bits to "10" in Registry 7:1:X:2 DriverConfigFlags when the Input is supposed to be used.
 - f. Corrected 9:6 & 193:6:4 Registry default settings for all Thermostats.
 - g. Virtual input registry is now maintained when primary button function is custom and additional button function exist.
 - h. Lighting Output advanced configuration changes are retained when opened with INNtool to make additional changes

7.2 Version 2.12

S. No.	Enhancements/ changes															
1	<p>Third party switch artwork configuration is moved to project level in 'Switch Artworks' section, only switch instance creation is provided in switch function mapping page.</p>  <p>Third Party/Designer series switch function mapping as below,</p>  <table border="1" data-bbox="511 1260 1388 1501"> <thead> <tr> <th>Button Index</th> <th>Button Description</th> <th>Function</th> <th>Function Target</th> <th>Reference Zone</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>B1</td> <td>Dim Toggle</td> <td>Z1</td> <td>Z1</td> </tr> <tr> <td>2</td> <td>B2</td> <td>Unassigned</td> <td></td> <td></td> </tr> </tbody> </table>	Button Index	Button Description	Function	Function Target	Reference Zone	1	B1	Dim Toggle	Z1	Z1	2	B2	Unassigned		
Button Index	Button Description	Function	Function Target	Reference Zone												
1	B1	Dim Toggle	Z1	Z1												
2	B2	Unassigned														
2	D454.FET Registry 193:6 P5 Cached NVRAM and P5 Cached NVRAM, default value correction done.															
3	<p>Room type name and HVAC zone names are now editable in INNtool, user can change the existing value and save a new name anytime.</p> <p>Room Name:</p>															

Test13Aug01

- Energy Management Configur...
- Switch Artworks
- Room1 (10 Rooms)
 - Lighting
 - HVAC

Room Setup | HVAC | Amenities

Setup Room Type as: Guest Room

Room Type: RoomType1

Total Rooms of this type: 10

Configure HVAC and Energy Management Devices

Configure Lighting & other user interface devices

Previous | Next | Cancel

HVAC Zone Name:

Test13Aug01

- Energy Management Configur...
- Switch Artworks
- RoomType1 (10 Rooms)

Room Setup | HVAC Type | Humidity Control | Voltage &...

HVAC Zone(s): Room1

HVAC Zone's properties

Name: HVACZone1

Check if HVAC Zone has Multiple Points of Control

Delete | Update | Cancel

All Thermostat devices in HVAC Zone shares a common Setpoint.

Add New

Previous | Next | Cancel

Lighting Zone Name:

Amenities Setup
Loads
Zones

Zones

- Zone1
- Zone2

Update Zone

Zone Name:

Description:

Is Power feed available?

Logical Circuit#: 1 [Edit](#)

Select Zone Type

Relay ⓘ
 Dimmer ⓘ

Select Light Output

Central Lighting (Load Panel) ⓘ
 Distributed (WBI) ⓘ
 Loose Lighting (Lamp Controller) ⓘ
 DALI Ballast ⓘ

Select Zone Control type

Occupancy Based
 User Controlled

4 Corridor and Interior for S-Series, S563 and S564 are now listed in S5 Island for S5 mapping and device power mapping for power source assignment.

Switch Configurations
EMS Options
Input Mappings
S5 Island
Device Power Mapping

Radio Devices

	Source Devices	Device Count in its S5 Segment
<input type="checkbox"/>	e7_1	5

S5 Island

S5 Devices	Available Radio Sources	S5 Island
S1-1_MCM4	e7_1 ▾	e7_1 Radio Island
S563_1	e7_1 ▾	e7_1 Radio Island
S564_1	e7_1 ▾	e7_1 Radio Island
X05R_1	e7_1 ▾	e7_1 Radio Island

And

	Switch Configurations	EMS Options	Input Mappings	S5 Island	Device Power Mapping																			
	<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p>Power Source Devices</p> <table border="1"> <thead> <tr> <th>Source Devices</th> <th>Remaining Supply Current(mA)</th> <th></th> </tr> </thead> <tbody> <tr> <td>e7_1</td> <td>39</td> <td></td> </tr> <tr> <td>PS564.DIN_1</td> <td>721</td> <td><input type="button" value="Delete"/></td> </tr> </tbody> </table> </div> <div style="width: 48%;"> <p>Power Consuming Devices</p> <table border="1"> <thead> <tr> <th>Consuming Devices</th> <th>Available Power Sources</th> </tr> </thead> <tbody> <tr> <td>S1-1_MCM4</td> <td><input type="text" value="e7_1"/></td> </tr> <tr> <td>S563_1</td> <td><input type="text" value="e7_1"/></td> </tr> <tr> <td>S564_1</td> <td><input type="text" value="e7_1"/></td> </tr> <tr> <td>X05R_1</td> <td><input type="text" value="PS564.DIN_1"/></td> </tr> </tbody> </table> </div> </div>					Source Devices	Remaining Supply Current(mA)		e7_1	39		PS564.DIN_1	721	<input type="button" value="Delete"/>	Consuming Devices	Available Power Sources	S1-1_MCM4	<input type="text" value="e7_1"/>	S563_1	<input type="text" value="e7_1"/>	S564_1	<input type="text" value="e7_1"/>	X05R_1	<input type="text" value="PS564.DIN_1"/>
Source Devices	Remaining Supply Current(mA)																							
e7_1	39																							
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S1-1_MCM4	<input type="text" value="e7_1"/>																							
S563_1	<input type="text" value="e7_1"/>																							
S564_1	<input type="text" value="e7_1"/>																							
X05R_1	<input type="text" value="PS564.DIN_1"/>																							
5	Wiring diagram updated for e7 thermostat.																							
6	<p>Few issues corrected:</p> <ul style="list-style-type: none"> a) Evora text change after icon/rocker enabling is supported. b) User can change the location of an already added edge router in the Network View configuration. 																							

7.3 Version 2.11

S. No.	Enhancements/ changes
1	Allow user to mix Elements switch/Thermostat with other switches/thermostats.
2	<p>Controller type selection option is provided in Load to Zone mapping.</p> <p>User can select available loose controller type for the current mapping and can override it.</p>

Room Setup > Amenities Setup > Lo

Select Zone

- L2_1
- ▲ Z2
 - L2_2
- ▲ Z3
 - L1_1
- ▲ Z4
 - L2_3
- ▲ Z5
 - L1_2
- ▲ Z6
 - L2_4
- ▲ Z7
 - LooseLoad_1
- Z8
- Z9
- Z10
- Z11

Selected Zone Properties

Zone Name: Z7
Zone Description: a
Zone Type: Relay
Light Output Type: LooseLighting
Power feed circuit identifier: NA
Total Wattage: 10
Controller Type: L208
Controller: L208
Switch Type: L506

Relay zone controller override/ type change supported between X05R, X05BX06. X45RA and X09

Room Setup > Amenities Setup > Load

Select Zone

- L2_2
- ▲ Z3
 - L1_1
- ▲ Z4
 - L2_3
- ▲ Z5
 - L1_2
- ▲ Z6
 - L2_4
- ▲ Z7
 - LooseLoad_1
- ▲ Z8
 - DimmableLoosLoad_1
- ▲ Z9
 - Relay1_1
- Z10
- Z11

Selected Zone Properties

Zone Name: Z9
Zone Description: a
Zone Type: Relay
Light Output Type: Central
Power feed circuit identifier: NA
Total Wattage: 10
Controller Type:
Controller: [ment](#)

X05R
X05BX06
X45RA
X09

Supported override controller type for dimmable zones

Select Zone

- ▲ Z1
 - L2_1
- ▲ Z2
 - L2_2
- ▲ Z3
 - L1_1
- ▲ Z4
 - L2_3
- ▲ Z5
 - L1_2
- ▲ Z6
 - L2_4
- ▲ Z7
 - L3_1
- ▲ Z8
 - L4_1

Selected Zone Properties

Zone Name Z8
Zone Description : a
Zone Type : Dimmer
Light Output Type : Central
Power feed circuit identifier : NA
Total Wattage : 10
Controller Type
Controller :
Driver type :
Dimming type :

D454_FET
D454_FET
D254_FET
Reverse Phase

3 User can now include project notes while configuring the project.

Property Details

Project Code: DALITesting Sales Representative: DALITesting

Property Details

Property Name: DALITesting

Address: [Empty Field]

City: [Empty Field]

State: [Empty Field]

Country: United States

Zip: [Empty Field]

Phone: [Empty Field]

Fax: [Empty Field]

Certifications: CQC (China) CE Certification Display *C

Networking

Is property Networked? Yes No

Secure Connection: Yes No

Labor Details

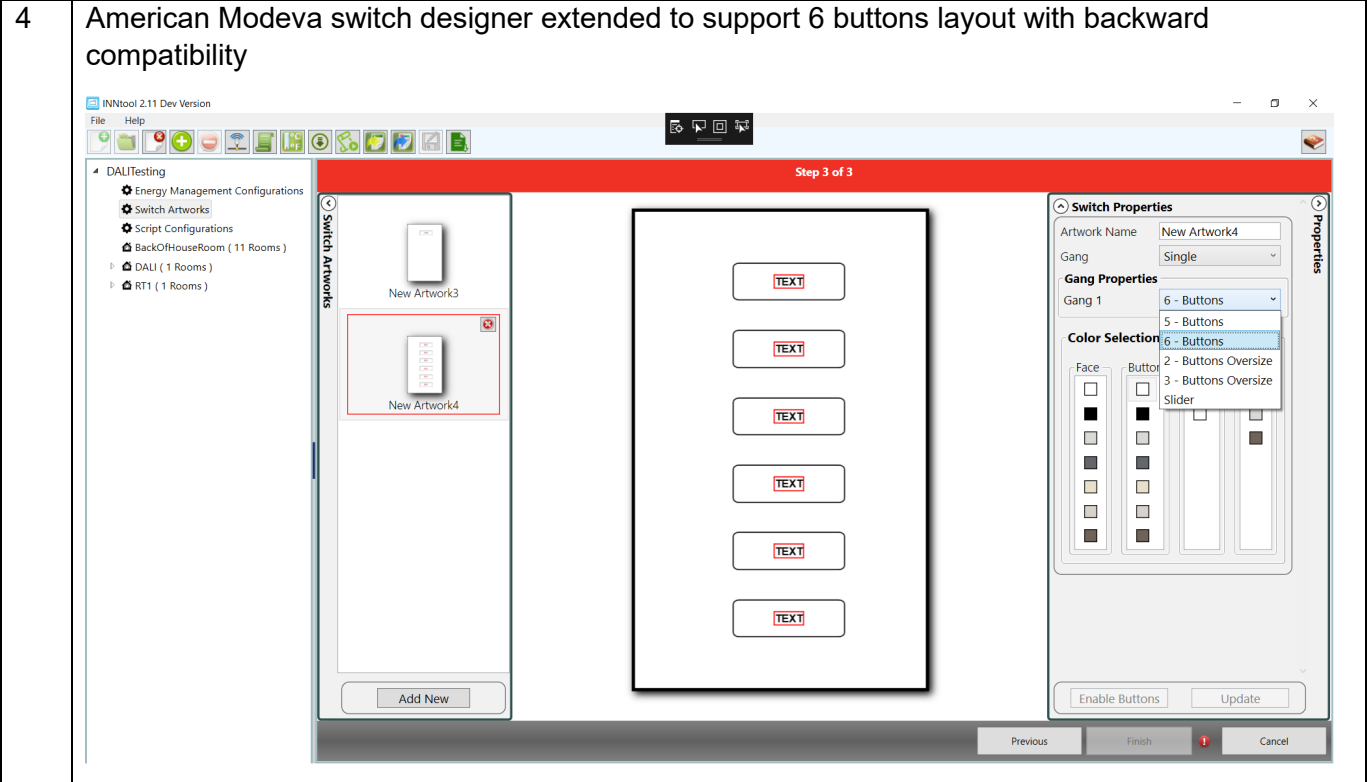
Is there Honeywell Labor Involved? Yes No

Hilton Edge Controller

Hilton Edge Controller Connectivity Required? Yes No

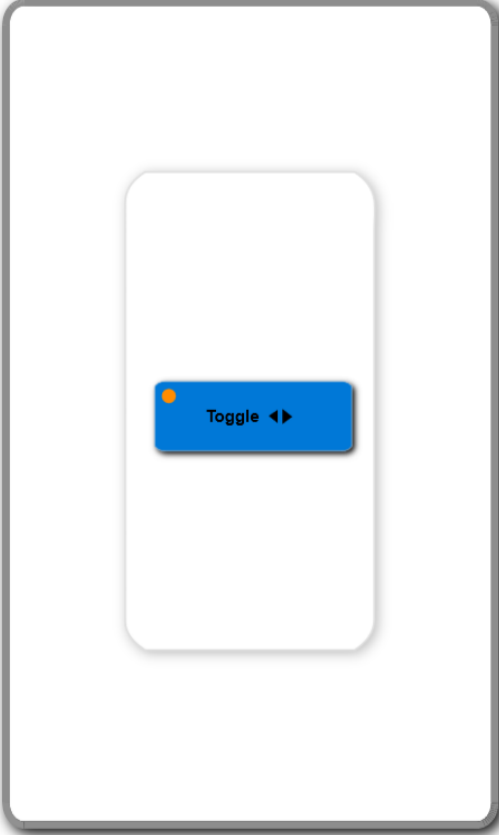
Notes

DALI color verification
Room has PCS0X with Modeva switch



5 Added support for button LED type as Pilot in switch artwork design.

Step 3 of 3



Switch Properties
Button Properties

Property	Value
Icon Required:	<input checked="" type="checkbox"/>
Text:	<input type="text" value="Toggle"/>
Font:	<input type="text" value="Arial Bold"/>
Font Size:	<input type="text" value="9"/>
LED Required:	<input checked="" type="checkbox"/>
LED Type:	<input type="text" value="Pilot"/>
Rocker:	<input type="checkbox"/>

▲ ▼ ◀▶
▶▶

6 User can now configure Hilton projects, by enabling Hilton edge connectivity option at project level, PC502.H device gets added.

Property Details

Project Code: Sales Representative:

Property Details

Property Name:

Address:

City:

State:

Country:

Zip:

Phone:

Fax:

Certifications: CQC (China) CE Certification Display °C

Networking

Is property Networked? Yes No

Secure Connection Yes No

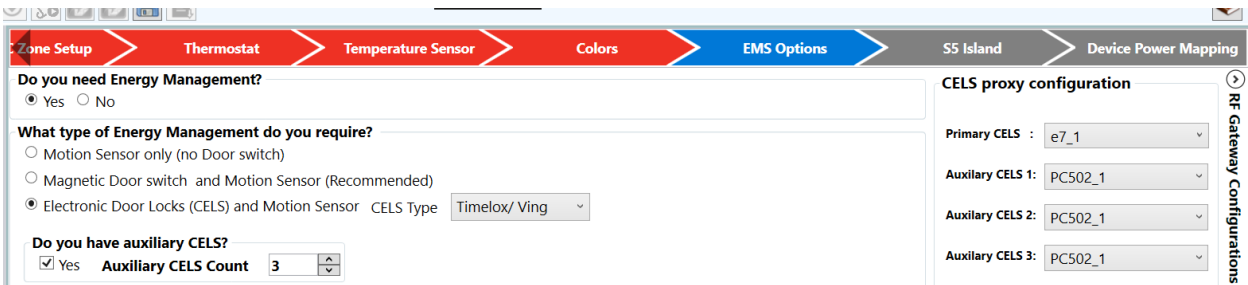
Labor Details

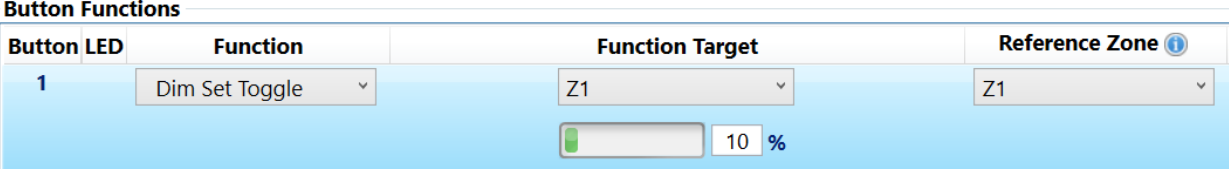
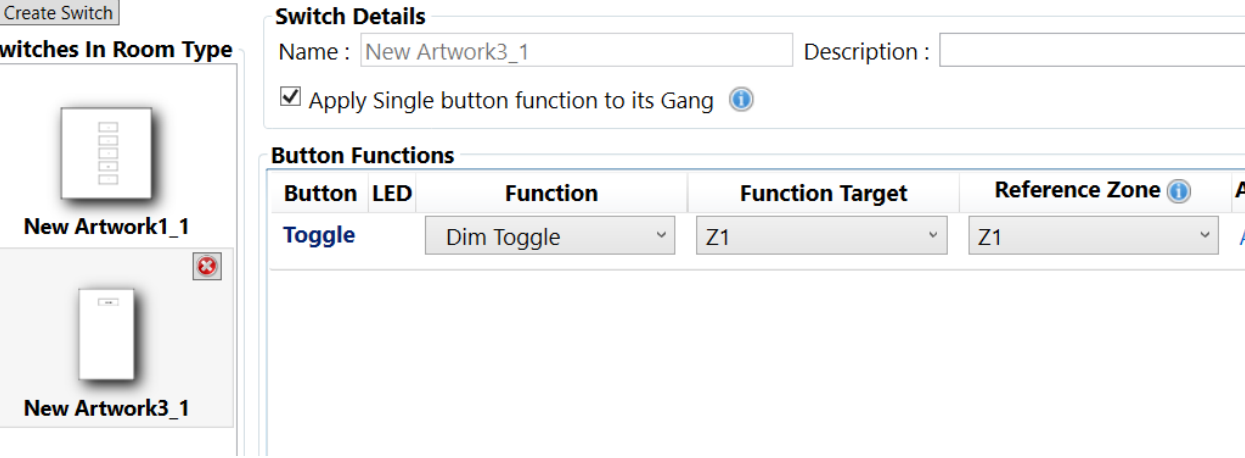
Hilton Edge Controller

Hilton Edge Controller Connectivity Required? Yes No

Notes

7 Allow user to create room only "Back Of House" with required CELS configuration

	<div data-bbox="311 226 1279 636"> <p>Setup Room Type as Guest Room</p> <p>Room Type Guest Room Common Door Back of House ⓘ</p> <p>Total Rooms of this type Back of House</p> <p><input type="checkbox"/> Configure HVAC and Energy Management Devices</p> <p><input type="checkbox"/> Configure Lighting & other user interface devices</p> </div> <div data-bbox="311 741 1500 1186"> <p>Setup Room Type as Back of House</p> <p>Room Type BackOfHouseRoom ⓘ</p> <p>Total Rooms of this type 11 ⓘ</p> <p>Select CELS Type Timelox/ Ving</p> </div>
8	Address uniqueness within HVAC Zone is now supported for EMS devices as well.
9	Window switch name is now changed to S241R.SM.
10	<p>Auxiliary CELS with device count is provided in EMS configuration page for electronic door lock. Now tool support additional/ Auxiliary CLES for Electronic Door Lock.</p> <p>Allow user to select up to 3 AUX CLES and their mapping.</p>  <p>The screenshot shows the 'EMS Options' configuration page. It includes a breadcrumb trail: Zone Setup > Thermostat > Temperature Sensor > Colors > EMS Options > S5 Island > Device Power Mapping. The 'Do you need Energy Management?' section has 'Yes' selected. The 'What type of Energy Management do you require?' section has 'Electronic Door Locks (CELS) and Motion Sensor' selected, with 'CELS Type' set to 'Timelox/ Ving'. The 'Do you have auxiliary CELS?' section has 'Yes' selected and 'Auxiliary CELS Count' set to 3. The 'CELS proxy configuration' section on the right shows 'Primary CELS' as 'e7_1' and three 'Auxiliary CELS' (1, 2, and 3) all set to 'PC502_1'. A vertical sidebar on the far right is labeled 'RF Gateway Configurations'.</p>

11	<p>Added new HVAC type as "4-Pipe Electric-Pneumatic Transducer (EPT) 0-10V" with Cool/ Heat valve type modulating.</p> <p>Select HVAC Type</p> <ul style="list-style-type: none"> <input checked="" type="radio"/> Generic Single Stage Heat / Single Stage Cool (PTAC, 4 Pipe FCU, 2 Pipe Cool with Electric Heat, 2 Pipe Change-over managed internally by aquastat in the HVAC unit) <input type="radio"/> Heat Pump O-Type (HpO) <input type="radio"/> Heat Pump B- Type (HpB) <input checked="" type="radio"/> 2-Pipe System with Change-Over (Includes Pipe Water Temperature Sensor) <input type="radio"/> 2-Pipe System with Change-Over and Back-up Electric Heat (Includes Pipe Water Temperature Sensor) <input type="radio"/> Cool Only System (No Heat available) <input type="radio"/> Heat Only System (No Cooling available) <input type="radio"/> 4-Pipe Electric-Pneumatic Transducer (EPT) 0-10V <input type="radio"/> VRV / VRF
12	<p>New button function added as DimSetToggle for all the switches</p>  <p>The screenshot shows a table with columns: Button, LED, Function, Function Target, and Reference Zone. The first row has Button '1', LED, Function 'Dim Set Toggle', Function Target 'Z1', and Reference Zone 'Z1'. Below the table is a slider set to 10%.</p>
13	<p>Ability to set entire Modeva touch slider as a single button function.</p>  <p>The screenshot shows a 'Switch Details' section with 'Name: New Artwork3_1' and 'Description:'. A checkbox 'Apply Single button function to its Gang' is checked. Below is a 'Button Functions' table with columns: Button, LED, Function, Function Target, Reference Zone, and A. The first row has Button 'Toggle', LED, Function 'Dim Toggle', Function Target 'Z1', Reference Zone 'Z1', and A.</p>
14	<p>Added support to configure White tone supported lighting include Zone, button function, scene configuration</p>

Room Setup
Amenities Setup
Loads
Zones

Zones

- Z1
- Z2
- Z3
- Z4
- Z5
- Z6

Update Zone

Zone Name:

Description:

Is Power feed available?

Logical Circuit#: 1 [Edit](#)

Select Zone Type

Relay ⓘ

Dimmer ⓘ

Select Light Output

Central Lighting (Load Panel) ⓘ

Distributed (WBI) ⓘ

Loose Lighting (Lamp Controller) ⓘ

DALI Ballast ⓘ

White Tone Information

Supports White Tone

Welcome scene

Welcome Configurations

Name: Scene Number:

Zone / Drapes ▲	Controller	Unoccupied Response	Welcome Response	Level	
Z1	PC50X_1.1	Off when unoccupied ▼	Welcome Always ▼	Dim Level: <input type="text" value="0"/> %	White Tone Level: <input type="text" value="6250"/> K
Z2	PC50X_1.2	Off when unoccupied ▼	Welcome Always ▼	Dim Level: <input type="text" value="0"/> %	White Tone Level: <input type="text" value="6250"/> K

Scene configuration

Select Scene

- Scene 1
- Scene 2
- Scene 3
- Scene 4
- Scene 5
- Scene 6
- Scene 7

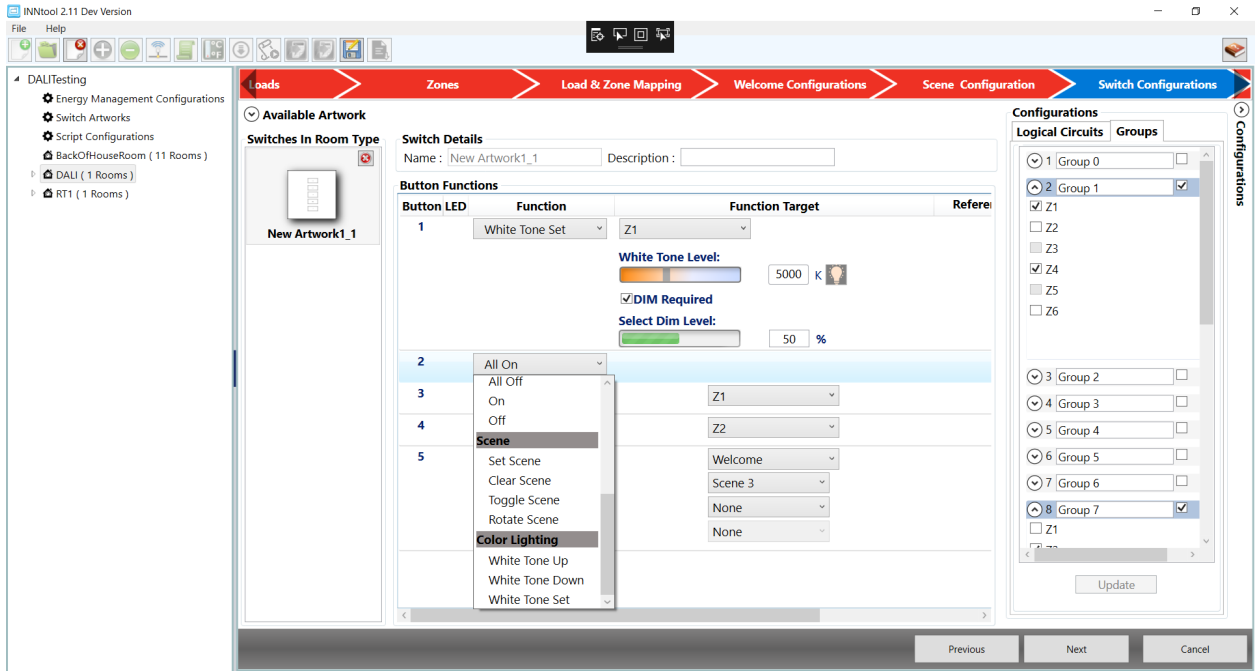
Configure Scene

Name: Scene Number: Enable Scene

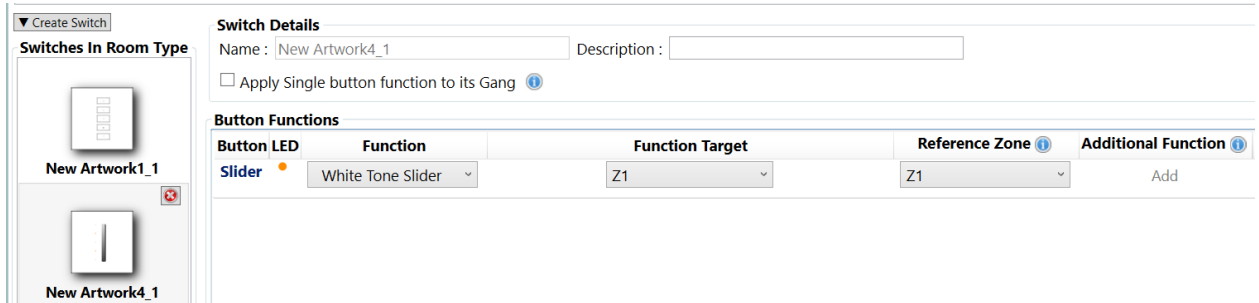
Zones	Controller ▲	Participate	Level	
Z1	PC50X_1.1	<input checked="" type="checkbox"/>	Dim Level: <input type="text" value="0"/> %	White Tone Level: <input type="text" value="6250"/> K
Z2	PC50X_1.2	<input checked="" type="checkbox"/>	Dim Level: <input type="text" value="0"/> %	White Tone Level: <input type="text" value="6250"/> K

15	Supported DALI white tone function like White tone set, White tone up, down and slider
----	--

Slider



Slider



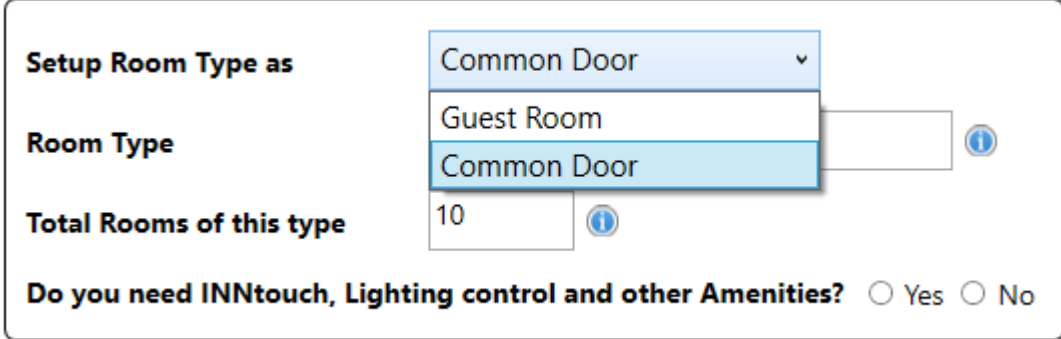
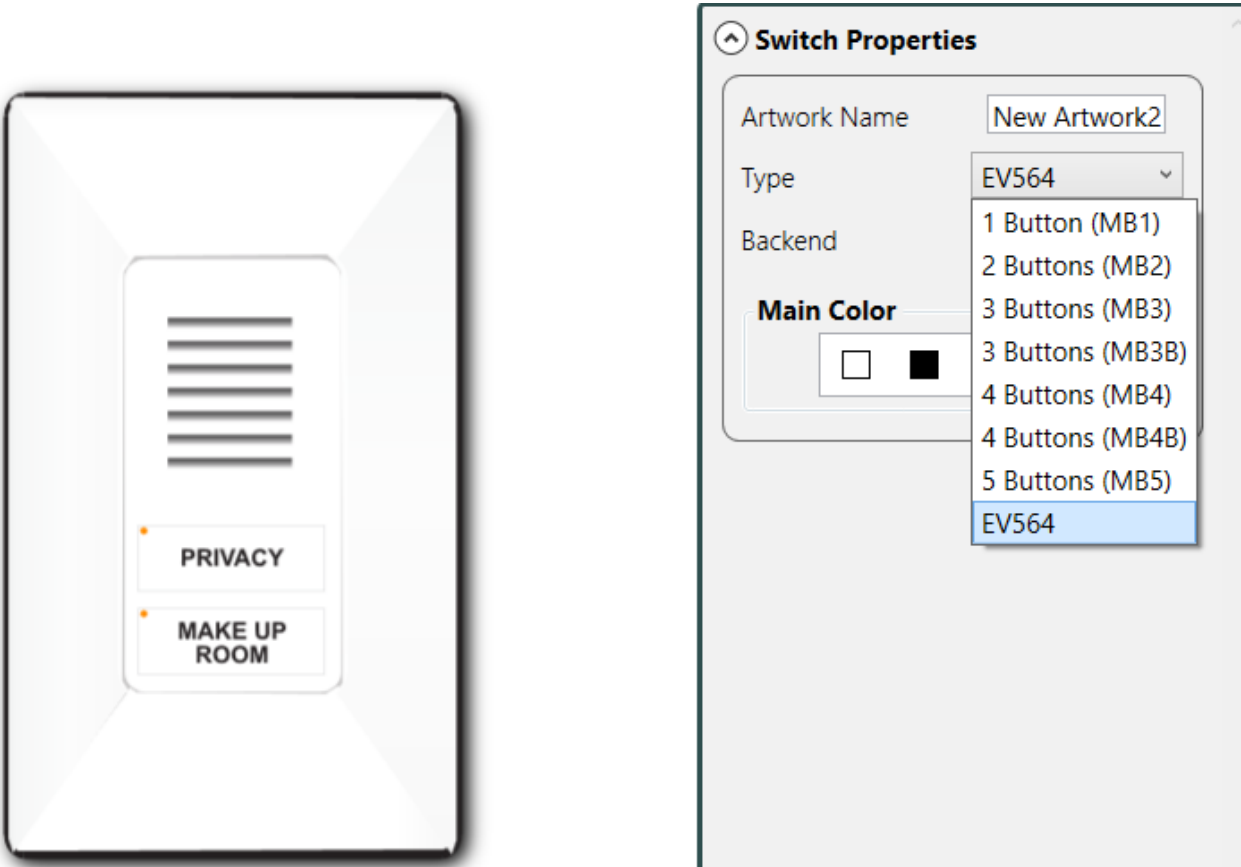
Additional to this now all 16 Groups shall preexist and user can enable based on requirement.

Now DALI group shall auto reserve based on scene toggle button function configure.

- 16 Secure connection option provided at project level, which will support addition of secure edge router based on configuration in network wizard

Property Details	
<div style="display: flex; justify-content: space-between; border-bottom: 1px solid #ccc;"> Project Code <input type="text" value="DALITesting"/> Sales Representative <input type="text" value="DALITesting"/> </div>	
<div style="border: 1px solid #ccc; padding: 5px;"> <p>Property Details</p> <p>Property Name <input type="text" value="DALITesting"/></p> <p>Address <input style="height: 40px;" type="text"/></p> <p>City <input type="text"/></p> <p>State <input type="text"/></p> <p>Country <input type="text" value="United States"/></p> <p>Zip <input type="text"/></p> <p>Phone <input type="text"/></p> <p>Fax <input type="text"/></p> <p>Certifications <input type="checkbox"/> CQC (China) <input type="checkbox"/> CE Certification <input type="checkbox"/> Display °C</p> </div>	<div style="border: 1px solid #ccc; padding: 5px;"> <p>Networking</p> <p>Is property Networked? <input checked="" type="radio"/> Yes <input type="radio"/> No ?</p> <p style="border: 2px solid red; padding: 2px;">Secure Connection <input checked="" type="radio"/> Yes <input type="radio"/> No ?</p> <p>Labor Details</p> <p>Is there Honeywell Labor Involved? <input checked="" type="radio"/> Yes <input type="radio"/> No</p> <p>Hilton Edge Controller</p> <p>Hilton Edge Controller Connectivity Required? <input type="radio"/> Yes <input checked="" type="radio"/> No</p> <p>Notes</p> <div style="border: 1px solid #ccc; padding: 5px; min-height: 100px;"> <p>DALI color verification Room has PC50X with Modeva switch</p> </div> </div>
<div style="border: 1px solid #ccc; padding: 5px;"> <p>Configure Network View</p> <p><input type="checkbox"/> Show Room IDs</p> <div style="border: 1px solid #ccc; padding: 5px; margin-top: 5px;"> <p>DALITesting</p> </div> </div>	<div style="border: 1px solid #ccc; padding: 5px;"> <p>Room List</p> <div style="border: 1px solid #ccc; padding: 5px; margin-top: 5px;"> <p>Room 101</p> </div> </div> <div style="margin-top: 10px;"> <p>Add</p> <p><input type="radio"/> B578S</p> <p><input type="radio"/> B578R</p> </div>
17	Switch function table updated based on latest template provided.
18	Device price correction done, based on latest JCA.

7.4 Version 2.10

S. No.	Enhancements/ changes
1	<p>Room type configuration will have room configuration type options as Guest room or Common door.</p> 
2	<p>Supported feature to add multiple EV564 in a single room in INNtool, and it can have different name other than standard name EV564, color variations can be configured.</p> 
3	<p>Provided feature to override IC5 amenities module text.</p>

	<p>Amenities (to be configured in IC5) ⓘ</p> <p><input checked="" type="checkbox"/> Valet</p> <p><input checked="" type="checkbox"/> Override text for this point in IC5? Text : <input type="text"/></p>																																																																						
4	<p>New button function added as Dim Set and Rotate Scene, which will support additional button function parameter configuration in switch function mapping of INNtool. Dim set will have additional parameter dim value and rotate scene will have two or more scene parameters for configuration.</p> <p>Button Functions</p> <table border="1"> <thead> <tr> <th>Button LED</th> <th>Function</th> <th>Function Target</th> <th>Reference Zone ⓘ</th> <th>Additional Function ⓘ</th> </tr> </thead> <tbody> <tr> <td>b1</td> <td>Dim Set</td> <td>Z3</td> <td></td> <td>Add</td> </tr> <tr> <td colspan="2"></td> <td>Select Dim Value</td> <td colspan="2"></td> </tr> <tr> <td colspan="2"></td> <td><input type="text" value="54"/> %</td> <td colspan="2"></td> </tr> <tr> <td>b2</td> <td>Rotate Scene</td> <td>Scene 1</td> <td></td> <td>Add</td> </tr> <tr> <td colspan="2"></td> <td>Welcome</td> <td colspan="2"></td> </tr> <tr> <td colspan="2"></td> <td>Scene 3</td> <td colspan="2"></td> </tr> <tr> <td colspan="2"></td> <td>None</td> <td colspan="2"></td> </tr> <tr> <td>b3</td> <td>All On</td> <td>None</td> <td></td> <td>Add</td> </tr> <tr> <td colspan="2"></td> <td>Welcome ⓘ</td> <td colspan="2"></td> </tr> <tr> <td colspan="2"></td> <td>Scene 1 ⓘ</td> <td colspan="2"></td> </tr> <tr> <td colspan="2"></td> <td>Scene 2</td> <td colspan="2"></td> </tr> <tr> <td colspan="2"></td> <td>Scene 3 ⓘ</td> <td colspan="2"></td> </tr> <tr> <td colspan="2"></td> <td>Scene 4</td> <td colspan="2"></td> </tr> </tbody> </table>	Button LED	Function	Function Target	Reference Zone ⓘ	Additional Function ⓘ	b1	Dim Set	Z3		Add			Select Dim Value					<input type="text" value="54"/> %			b2	Rotate Scene	Scene 1		Add			Welcome					Scene 3					None			b3	All On	None		Add			Welcome ⓘ					Scene 1 ⓘ					Scene 2					Scene 3 ⓘ					Scene 4		
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		Welcome																																																																					
		Scene 3																																																																					
		None																																																																					
b3	All On	None		Add																																																																			
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		Scene 2																																																																					
		Scene 3 ⓘ																																																																					
		Scene 4																																																																					
5	<p>In EMS, float or smoke alarm option provided along with input type.</p> <p>Will you be monitoring a Float switch for the HVAC unit or a Smoke alarm? ⓘ</p> <p><input checked="" type="radio"/> Yes <input type="radio"/> No <input type="text" value="Float Switch"/> Type of Input: <input type="text" value="Normal Close"/></p>																																																																						
6	<p>Support for addition of PS563 Jard transformer in INNtool.</p> <p>What is the HVAC control Interface voltage ? —</p> <p><input checked="" type="radio"/> 24VAC</p> <p><input checked="" type="checkbox"/> Is PS563 required? <input type="text" value="PS563-120VAC"/></p> <p><input type="radio"/> Line Voltage 100 - 240 (VAC at 50/60 Hz)</p> <p><input type="radio"/> Line Voltage 265 - 277 (VAC at 50/60 Hz)</p>																																																																						

7

Group name as function parameter is supported in button function mapping. Configuration of groups is allowed in a pop-up. These groups can also be added in separate tab 'Configurations' on the right along with Logical zones/Logical drapes.

Button Functions

Button LED	Function	Function Target	Reference Zo
b1	Dim Zone Up	Group 1	
b2	All Off		
b3	All On		

Zone/Lighting Circuit

- Z1
- Z3

Add Logical circuit ⓘ

Group

- Group 1

[Create New Group](#)

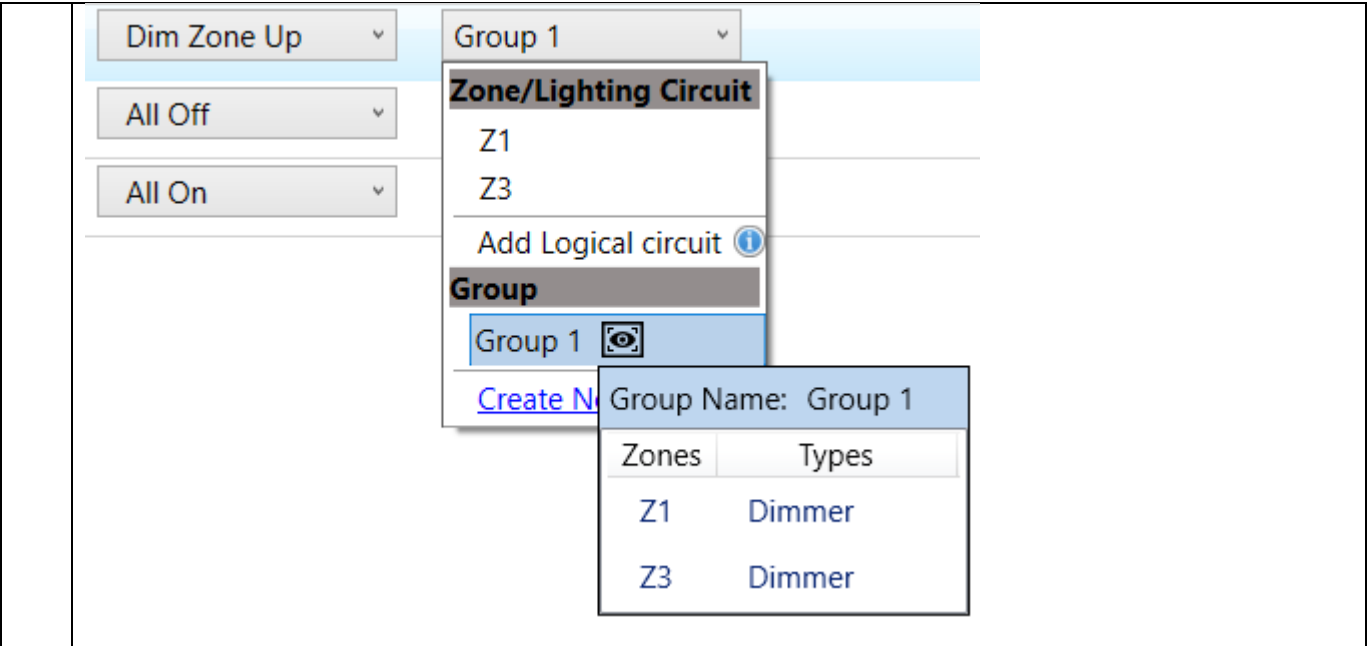
Create New Group

Group Name:

Z1

Z3

Also, preview existing groups for their configuration.



8 Scene preview is provided in button function mapping.

Button Functions				
Button LED	Function	Function Target	Reference Zone	Additional Function
b1	Dim Zone Up	Group 1		Add
b2	Set Scene			Add
b3	All On	Welcome		Add
		Scene 1		

Scene : Scene 1		
Zones	Level	
Z1	<input type="range" value="29"/>	29 %
Z3	<input type="range" value="78"/>	78 %
Z2	<input type="range" value="55"/>	55 %

9 Logical zone id can be editable and it will be starting from 1 instead of 20.

	<div data-bbox="289 189 1136 1081"> <p>Update Zone</p> <p>Zone Name: <input type="text" value="Z3"/></p> <p>Description: <input type="text" value="test"/></p> <p>Power feed identifier: <input type="text" value="test"/> ⓘ</p> <p>Logical Circuit#: <input type="text" value="2"/> Edit</p> <p>Select Zone Type</p> <p><input type="radio"/> Relay ⓘ</p> <p><input checked="" type="radio"/> Dimmer ⓘ</p> <p>Select Light Output</p> <p><input type="radio"/> Central Lighting (L... ⓘ)</p> <p><input type="radio"/> Distributed (WBI) ⓘ</p> <p><input type="radio"/> Loose Lighting (Lan... ⓘ)</p> <p><input checked="" type="radio"/> DALI Ballast ⓘ</p> <p><input type="button" value="Delete"/> <input type="button" value="Update"/> <input type="button" value="Cancel"/></p> </div>
10	Along with HVAC type, user can provide make and model information of selected HVAC.

	<p>Select HVAC Type</p> <ul style="list-style-type: none"> <input type="radio"/> Generic Single Stage Heat / Single Stage Cool (PTAC, 4 Pipe FCU, 2 Pipe Cool with Electric Heat, 2 Pipe Change-over managed internally by aquastat in the HVAC unit) <input type="radio"/> Heat Pump O-Type (HpO) <input type="radio"/> Heat Pump B- Type (HpB) <input checked="" type="radio"/> 2-Pipe System with Change-Over (Includes Pipe Water Temperature Sensor) <input type="radio"/> 2-Pipe System with Change-Over and Back-up Electric Heat (Includes Pipe Water Temperature Sensor) <input type="radio"/> Cool Only System (No Heat available) <input type="radio"/> Heat Only System (No Cooling available) <input type="radio"/> VRV / VRF <p>Select Valve Type</p> <p>Cooling/ Heating <input type="text" value="ON/OFF"/> <input type="button" value="i"/> Valve Type <input type="text" value="Normally Closed"/></p> <p>HVAC Information</p> <p>Make <input type="text"/></p> <p>Model <input type="text"/></p>										
11	<p>In EMS, motion sensor and window switch count can be included for each type, also user can have mix of types.</p> <p>What type of Motion Detector do you require?</p> <table border="1" data-bbox="300 1060 1523 1192"> <tr> <td><input type="checkbox"/> Built In Sensor</td> <td><input checked="" type="checkbox"/> Wired Sensor</td> <td> <input checked="" type="checkbox"/> Wall Mount <input type="text" value="1"/> <input type="button" value="up"/> <input type="button" value="down"/> <input type="button" value="i"/> <input checked="" type="checkbox"/> Ceiling Mount <input type="text" value="1"/> <input type="button" value="up"/> <input type="button" value="down"/> <input type="button" value="i"/> </td> <td><input type="checkbox"/> Wireless Sensor</td> </tr> </table> <p>What type Door Switch do you require?</p> <table border="1" data-bbox="300 1234 1523 1325"> <tr> <td><input checked="" type="checkbox"/> Wired</td> <td> <input checked="" type="radio"/> Flush Mount <input type="radio"/> Surface Mount </td> <td><input type="checkbox"/> Wireless</td> </tr> </table> <p>Do you want to add Balcony / Window / Lanai switch? If yes, select type <input type="button" value="i"/></p> <table border="1" data-bbox="300 1367 1523 1507"> <tr> <td><input type="checkbox"/> Wired</td> <td> <input checked="" type="checkbox"/> Wireless <input type="text" value="1"/> <input type="button" value="up"/> <input type="button" value="down"/> <input type="button" value="i"/> </td> <td> <input checked="" type="checkbox"/> Flush Mount (3/4" Diameter) <input type="text" value="1"/> <input type="button" value="up"/> <input type="button" value="down"/> <input type="button" value="i"/> <input type="checkbox"/> Flush Mount (1/4" Diameter) <input type="checkbox"/> Surface Mount </td> </tr> </table>	<input type="checkbox"/> Built In Sensor	<input checked="" type="checkbox"/> Wired Sensor	<input checked="" type="checkbox"/> Wall Mount <input type="text" value="1"/> <input type="button" value="up"/> <input type="button" value="down"/> <input type="button" value="i"/> <input checked="" type="checkbox"/> Ceiling Mount <input type="text" value="1"/> <input type="button" value="up"/> <input type="button" value="down"/> <input type="button" value="i"/>	<input type="checkbox"/> Wireless Sensor	<input checked="" type="checkbox"/> Wired	<input checked="" type="radio"/> Flush Mount <input type="radio"/> Surface Mount	<input type="checkbox"/> Wireless	<input type="checkbox"/> Wired	<input checked="" type="checkbox"/> Wireless <input type="text" value="1"/> <input type="button" value="up"/> <input type="button" value="down"/> <input type="button" value="i"/>	<input checked="" type="checkbox"/> Flush Mount (3/4" Diameter) <input type="text" value="1"/> <input type="button" value="up"/> <input type="button" value="down"/> <input type="button" value="i"/> <input type="checkbox"/> Flush Mount (1/4" Diameter) <input type="checkbox"/> Surface Mount
<input type="checkbox"/> Built In Sensor	<input checked="" type="checkbox"/> Wired Sensor	<input checked="" type="checkbox"/> Wall Mount <input type="text" value="1"/> <input type="button" value="up"/> <input type="button" value="down"/> <input type="button" value="i"/> <input checked="" type="checkbox"/> Ceiling Mount <input type="text" value="1"/> <input type="button" value="up"/> <input type="button" value="down"/> <input type="button" value="i"/>	<input type="checkbox"/> Wireless Sensor								
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12	<p>Major feature of this release is DALI, user can configure DALI supported loads in load configuration of lighting.</p>										

Add New Load Type

Name	<input type="text" value="L3"/>
Load type	<input checked="" type="radio"/> Fixed (Hard wired) ⓘ <input type="radio"/> Loose (Plug-In) ⓘ
Manufacturer	<input type="text" value="test"/>
Model number	<input type="text" value="test"/>
Wattage	<input type="text" value="120"/>
Support DALI	<input checked="" type="checkbox"/>
Is dimmable?	<input checked="" type="checkbox"/>
<input type="button" value="Add"/>	

Configuration of DALI ballast zone provided in zone configuration.

Add New Zone

Zone Name	<input type="text" value="Z3"/>
Description :	<input type="text" value="test"/>
Power feed identifier :	<input type="text" value="test"/> ⓘ
Logical Circuit# :	Not assigned
Select Zone Type	
<input type="radio"/> Relay ⓘ <input checked="" type="radio"/> Dimmer ⓘ	
Select Light Output	
<input type="radio"/> Central Lighting (Load Panel) ⓘ <input type="radio"/> Distributed (WBI) ⓘ <input type="radio"/> Loose Lighting (Lamp Controller) ⓘ <input checked="" type="radio"/> DALI Ballast ⓘ	
<input type="button" value="Add"/>	

On mapping of these loads and zones, PC50X DALI device is included in room type.

13	<p>User need to configure master zone; no default master zone is added.</p> <p>Based on latest JCA, device prices are updated.</p>
----	--

7.5 Version 2.9

S. No.	Enhancements/ changes
1	<p>Mix of user interface feature is now supported in tool.</p> <div data-bbox="289 541 1533 1026" style="border: 1px solid black; padding: 10px;"> <p>Select User Interface Device</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> EVORA (American Standard) <input type="checkbox"/> MODEVA (American Standard) <input checked="" type="checkbox"/> MODEVA (British Standard) <input checked="" type="checkbox"/> Designer Series <input type="checkbox"/> 3rd Party Switches <input type="checkbox"/> Elements (British Standard) <p style="color: red; font-weight: bold;">Note: To enable MODEVA (American Standard) you need to configure switch artworks in project level primarily.</p> </div> <ol style="list-style-type: none"> 1. Artwork design is now strictly moved to 'Switch Artworks' section. So, user need to first configure at least one switch artwork in project level for each user interface type to enable the selection of user interface in Amenities set up page. 2. User interface options with no artwork available is disabled for selection and warning message is displayed with details. 3. 'Designer Series' and '3rd Party Switches' are always enabled since we don't configure any switch artwork for this, we directly configure switches. 4. Elements designer is still existing in room level configuration as we do not mix it with other user interfaces. If elements with other user interfaces is selected, then 'Next' is disabled with error message. <p>Amenities set up page structure is modified for clear understanding.</p>

Amenities

 DND/MUR and Chime

Select Line Voltage for Lighting Loads

 110V ⓘ
 220V ⓘ

Drapes

 Include Drapes

Select User Interface Device

 EVORA (American Standard)
 MODEVA (American Standard)
 MODEVA (British Standard)
 Designer Series
 3rd Party Switches
 Elements (British Standard)

Master Power Contact

 Include Master Power Contact

Do you need local Lighting Control ?


 Yes No ⓘ


Note: To enable MODEVA (American Standard) you need to configure switch artworks in project level primarily.


1. Provided option to include local lighting control (zone, load configurations).
2. When no DND, Drapes, Master Power Contact is selected then Local lighting control is required so we have disabled the 'No' option.
3. When any of the above three options is enabled (DND/Drapes/Master Power Contact), then user can have a room with no local lighting control. For example, he can configure a room for only drapes.


In switch function mapping all the available artworks for selected user interface options are listed, and user need to add at least one switch for all selected user interface options.


Available Artwork


New Artwork1


New Artwork3



New Artwork4



ThirdParty



DS12

ⓘ This room contains user interface devices with different finishes, please verify.

Switches In Room Type


New Artwork3_1


New Artwork4_1


SwitchPanel 2

Switch Details

Name : **IO Options**
 Local ⓘ Load Center ⓘ

Description :

Barrel and trim ring color : Cap Color :

Button Functions

	Button Description	Operation	Function Parameter
<input checked="" type="checkbox"/>	Button 1	Dim Zone Up	Z2
<input type="checkbox"/>	Button 2		
<input type="checkbox"/>	Button 3		
<input type="checkbox"/>	Button 4		

- a. For '3rd Party Switches' and 'Designer Series' user interface options, switch artwork place holder is added in available artwork list. User can select and create switch, configure it same as it was done in previous versions.
- b. Since we have moved switch artwork designer to project level, INNtouch devices will have their color selection option in INNtouch page itself.

2 A single room type can have zones with different light output. It could be central lighting (load panel) or distributed (WBI) or loose lighting (lamp controller).
 Provided option for zone control type as occupancy based or user controlled.
 We have provided this feature in 'Add New Zone' section in Zone Configuration, and removed it from Amenities Setup Page.

Add New Zone

Is Master Zone

Zone Name

Description :

Power feed identifier : ⓘ

Select Zone Type

Relay ⓘ

Dimmer ⓘ

Select Light Output

Central Lighting (Load Panel) ⓘ

Distributed (WBI) ⓘ

Loose Lighting (Lamp Controller) ⓘ

Select Zone Control type

Occupancy Based

User Controlled

User will select the light output for each zone addition.
 When Evora or American Modeva is configured then Distributed (WBI) option is enabled. If none of these two is selected, then WBI option is disabled.

Select Light Output

Central Lighting (Load Panel) ⓘ

Distributed (WBI) ⓘ

Lighting Output
 WBI is supported only for Evora and Modeva American user interface based design.

Option to add additional master zone is given in Zone Configuration, User can select any master contactor type based on which device is included.

Add New Zone

Is Master Zone

Zone Name

Description :

Select Zone Control type

Occupancy Based

User Controlled

Select Master Contactor type

Include Master Power Control (X09/ PC485)


Modeva/Evora Master power Control (WBI)

Include Master Power Control (X05BX06)

Master Power Control (WBI) is disabled for Master Zone when occupancy based zone control type is selected.

Switch to zone/WBI mapping is available for selected type of switch in switch function mapping screen. Switch to zone/WBI mapping is enabled only for Evora or American Modeva switch when it is selected and only WBI zones are listed for mapping. For other switches this section is disabled.

Switches In Room Type



New Artwork3_1

Switch Details
 Name :
 Description :

Switch - Zone/WBI Mapping


Switch Gang	Assigned Zone/WBI
Single Gang	Low Voltage Adapter <input type="button" value="Clear"/>

Button Function

Button LED	Function Parameter	Reference Zone
B1	Unassigned	
B2	Unassigned	
B3	Unassigned	

All Occupancy based control type zones are disabled for switch button function mapping.

Switches In Room Type



New Artwork1_1

Switch Details
 Name : Description :

Switch - Zone/WBI Mapping

Switch Gang	Assigned Zone/WBI
Single Gang	Low Voltage Adapter <input type="button" value="Clear"/>

Button Functions

Button Icon	Button LED	Operation	Function Parameter	Reference Zone
	B1	Toggle Zone		
	B2	Unassigned		
	B3	Unassigned		

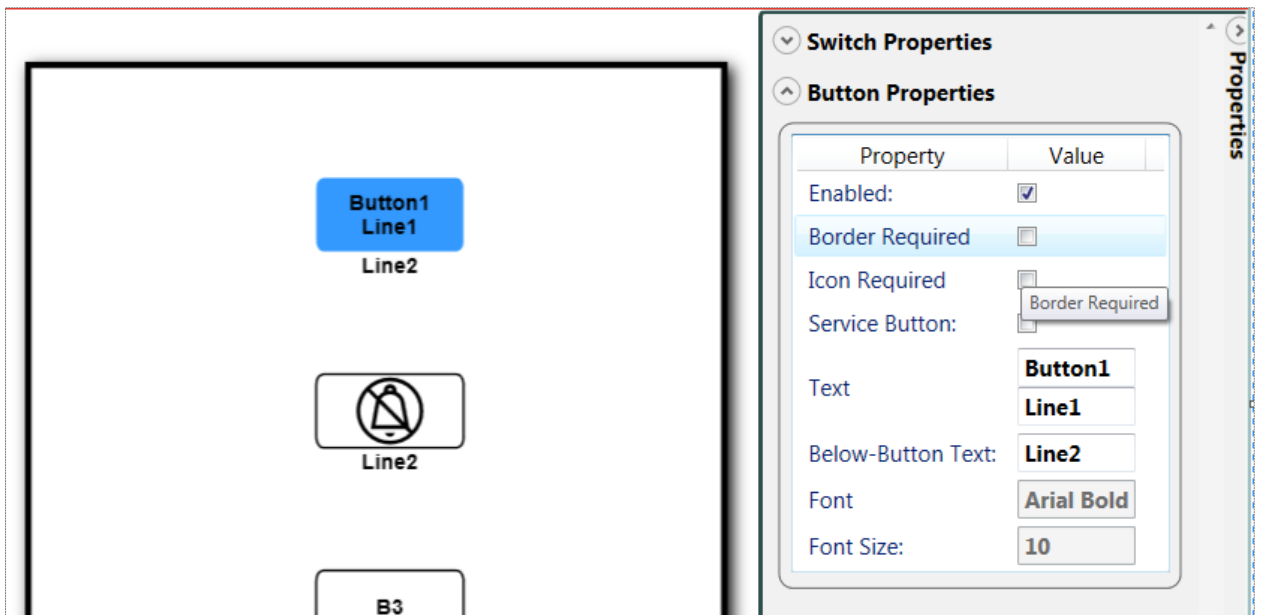
3 In welcome configuration, user can edit occupancy delay for Guest and Staff, when occupied with delay option is selected for unoccupied response.

Zone / Drapes ▲	Controller	Unoccupied Response	Welcome Response	Level	Staff Participate
Zone1	X45RA_1.1	Off when unoccupied (Delay in minutes) 20	Welcome Always	50 %	<input checked="" type="checkbox"/> 20

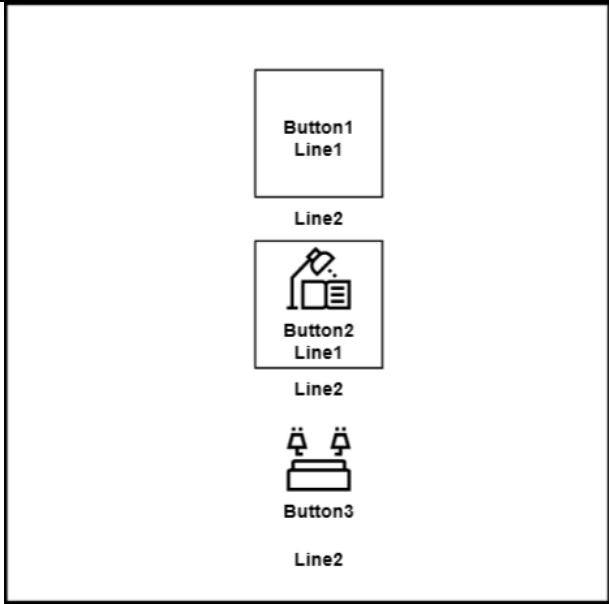
Provided sorting of entries in welcome scene and Scene configuration in ascending/descending order of the columns (Zone, controller, unoccupied, welcome response).

Tools updated to handle 48 scenes; including welcome, 47 scenes are listed in scene configuration page.

4 Updated button border style for british modeva switch artwork configuration.



User can include/exclude button border. Each button will have two lines of text and button below text.



For oversized button, user can now include icon and two lines of text in selectable area.

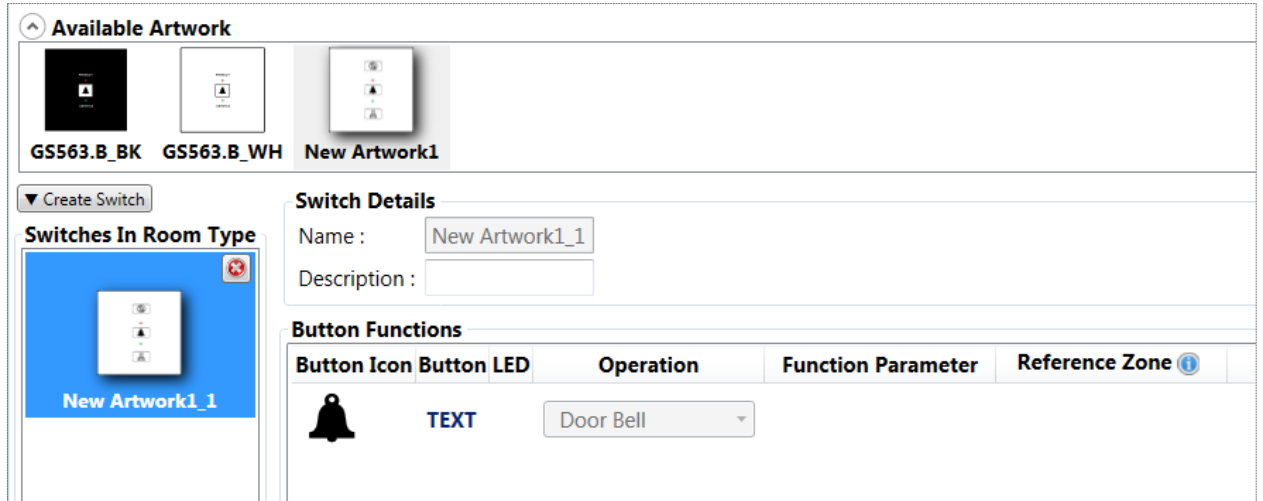
5 Provided option to configure custom doorbell for modeva british switch.

We include two standard british modeva doorbell in color variant black and white in available artwork list, along with custom doorbell configured (if any), user need to add it to room type like standard switch.

Doorbell configuration in Switch Artworks page.

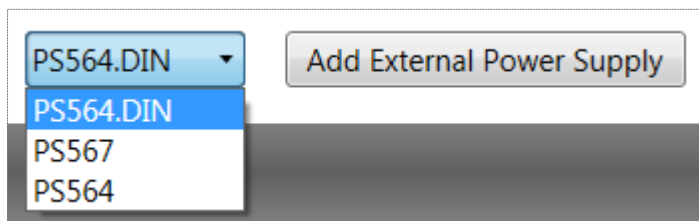
Two standard doorbells in color variants are included in design, custom doorbell can be configured by editing buttons.

Including doorbells in room configuration




When user selects Modeva British as corridor annunciator then standard and custom modeva doorbells are listed in available artwork list, user can select and add/delete any of the doorbell based on his requirement.

6 Power source device PS564 is renamed as PS564.DIN, new power source option PS564 with 200mA is provided in device power mapping.



7 Multiple Button operation on single press of Button.
 Additional button function supported in switch button function mapping.
 User can add maximum two additional button function for a single button. Additional button function can also be removed if not required.

Switches In Room Type




Switch Details
 Name : S3_1 Description :

Button Functions

Button Icon	Button LED	Operation	Function Parameter	Reference Zone ⓘ	Add/ Remove Function
B1		Toggle Zone	Z1	Z1	Add
		Toggle Scene	Welcome	Z1	Remove
		Unassigned			Remove

DND/MUR and Slider will not have additional button function support.

Switches In Room Type



Switch Details
 Name : S2_1 Description :

Button Functions

Button Icon	Button LED	Operation	Function Parameter	Reference Zone ⓘ	Add/ Remove Function
DND		Do Not Disturb (DND)			Add
Slider		Slider (Dimmer)	Z1		Add

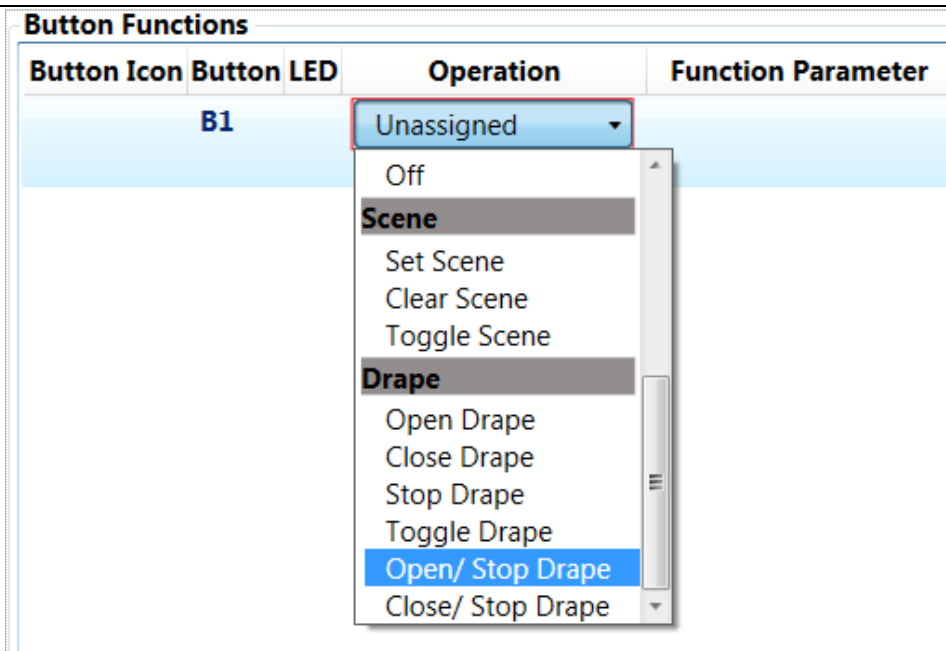
8 Custom button function is supported in INNtool, that is whenever button function configuration is changed from EngINN advanced configuration for switch and it is not matching with any valid button function or parameter, then selected button function is set as 'Custom'.
 Custom button function is disabled for selection.

Button Functions

Button Icon	Button LED	Operation	Function Parameter	Reference Zone ⓘ	Add/ Remove Function
B1		Dim Zone Up	Z1		Add
B2		Custom ⓘ			Add
B3		Toggle Zone	Z1	Z1	Add

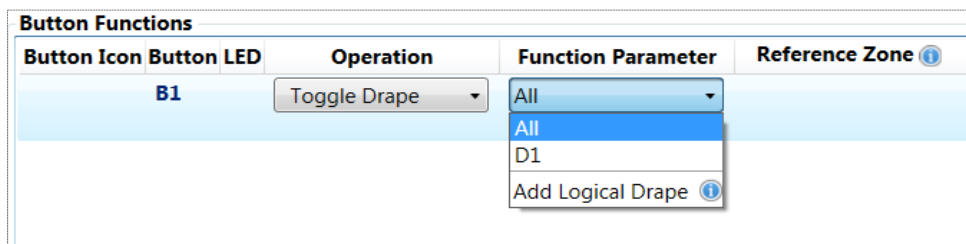
9 E7 Wiring diagram for H1 header is generated in word document. When BOM is generated, inside room type documents folder E7 wiring diagram is added.

10 In addition to existing drape functions two additional drape functions are added for drape button in switch button function mapping.



Provided support for drape operations for all drapes in the room.

"All" option added in parameter selection list for drape operations, Logical drape ID set as 0 when drape "All" operation selected



11 Network wizard updated to include IC5 software modules.

Three types of server software solutions are provided. They are Only IC3, Only IC5 and IC5 co-exist with IC3.

	<p>Select type of Server Software Solution</p> <ul style="list-style-type: none"> <input type="radio"/> Only IC3 <input type="radio"/> Only IC5 (Limited integration via JACE or Server) <input checked="" type="radio"/> IC5 co-exist with IC3 <ul style="list-style-type: none"> <input checked="" type="radio"/> Pre-existing IC3 <input type="radio"/> New IC3 <p>Select Software Modules (other than IC3 s/w modules)</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> IC3 Software License (Pre-existing) <input checked="" type="checkbox"/> Energy Management Software Full IC3 (Pre-existing) <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">Pre-existing software modules</th> <th style="width: 50%;">New software modules</th> </tr> </thead> <tbody> <tr> <td><input type="checkbox"/> 3D for complex building</td> <td><input type="checkbox"/> 3D for complex building</td> </tr> <tr> <td><input type="checkbox"/> CELS Software Interface</td> <td><input type="checkbox"/> CELS Software Interface</td> </tr> <tr> <td><input type="checkbox"/> Suite Linking Software</td> <td><input type="checkbox"/> Suite Linking Software</td> </tr> <tr> <td><input type="checkbox"/> Minibar Software</td> <td><input type="checkbox"/> Minibar Software</td> </tr> <tr> <td><input type="checkbox"/> Outside Air Temperature Software</td> <td><input type="checkbox"/> Outside Air Temperature Software</td> </tr> <tr> <td><input type="checkbox"/> Scheduling Software</td> <td><input type="checkbox"/> Scheduling Software</td> </tr> </tbody> </table> <p>BOM updated to include IC5 software modules details.</p>	Pre-existing software modules	New software modules	<input type="checkbox"/> 3D for complex building	<input type="checkbox"/> 3D for complex building	<input type="checkbox"/> CELS Software Interface	<input type="checkbox"/> CELS Software Interface	<input type="checkbox"/> Suite Linking Software	<input type="checkbox"/> Suite Linking Software	<input type="checkbox"/> Minibar Software	<input type="checkbox"/> Minibar Software	<input type="checkbox"/> Outside Air Temperature Software	<input type="checkbox"/> Outside Air Temperature Software	<input type="checkbox"/> Scheduling Software	<input type="checkbox"/> Scheduling Software
Pre-existing software modules	New software modules														
<input type="checkbox"/> 3D for complex building	<input type="checkbox"/> 3D for complex building														
<input type="checkbox"/> CELS Software Interface	<input type="checkbox"/> CELS Software Interface														
<input type="checkbox"/> Suite Linking Software	<input type="checkbox"/> Suite Linking Software														
<input type="checkbox"/> Minibar Software	<input type="checkbox"/> Minibar Software														
<input type="checkbox"/> Outside Air Temperature Software	<input type="checkbox"/> Outside Air Temperature Software														
<input type="checkbox"/> Scheduling Software	<input type="checkbox"/> Scheduling Software														
12	Elements custom switches part number is now based on iconography instead of personality code.														
13	<p>Provided option for a connecting door capability.</p> <p>In EMS page, checkbox provided to include wired or wireless connecting doors. Maximum of 2 connecting doors can be added, and these inputs can be mapped in input mapping.</p> <div style="border: 1px solid #ccc; padding: 5px; margin-top: 10px;"> <p>Will you be monitoring a Connecting Door Input for this room type? If yes, select type</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td style="width: 30%;"><input checked="" type="checkbox"/> Wired</td> <td style="width: 40%;"> <input checked="" type="checkbox"/> Flush Mount <input type="text" value="1"/> <input type="button" value="▲"/> <input type="button" value="▼"/> <input type="button" value="i"/> <input checked="" type="checkbox"/> Surface Mount <input type="text" value="1"/> <input type="button" value="▲"/> <input type="button" value="▼"/> <input type="button" value="i"/> </td> <td style="width: 30%;"><input type="checkbox"/> Wireless</td> </tr> </tbody> </table> </div>	<input checked="" type="checkbox"/> Wired	<input checked="" type="checkbox"/> Flush Mount <input type="text" value="1"/> <input type="button" value="▲"/> <input type="button" value="▼"/> <input type="button" value="i"/> <input checked="" type="checkbox"/> Surface Mount <input type="text" value="1"/> <input type="button" value="▲"/> <input type="button" value="▼"/> <input type="button" value="i"/>	<input type="checkbox"/> Wireless											
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14	<p>Backend WBI feature implemented for Evora switch.</p> <p>Evora backend option provided while configuring switch artwork.</p>														

Switch Properties

Artwork Name: S1

Gang: 1 Button (MB1)

Backend: Low Voltage Adapter

Main Color:

FET
 TRIAC
 RELAY
 Low Voltage Adapter
 Power Supply
 Master Contactor

In switch function mapping, only backend matched controller zones are enabled in button function mapping.

Switches In Room Type

S6_1

Switch Details

Name: S6_1 Description: Switch Backend: WBI_RELAY

Switch - Zone/WBI Mapping

Switch Gang	Assigned Zone/WBI
Single Gang	Z1

Button Function: Z2

Button Icon But: Z3

B1: Z4

Function Parameter Reference Zone Add/ Remove Function

Add

When the zone controller type and WBI doesn't match then disable zone with tooltip.

Gang: Single Gang

Assigned Zone/WBI: Z1

Button Function: Z2

Button Icon But: Z3

B1: Z4

Function Parameter Reference Zone Add/ Remove Function

Add

The control specified for this zone is TRIAC, which does not match with WBI Relay switch; add a new artwork or switch instance with WBI TRIAC Backend.

Evora spare switch can also be configured, that is switch with backend controller not mapped. If user chooses not to map any zone controller to Evora switch then he can do it, this will be considered as Spare switch.

7.6 Version 2.8.0.0


S. No	Enhancements/ changes
1	<p>Tool extended to provide following HVAC sub type under VRV/VRF</p> <div data-bbox="289 457 1058 871"><p><input checked="" type="radio"/> VRV / VRF</p><p>Select VRV Type</p><ul style="list-style-type: none"><input type="radio"/> Daikin Heat Recovery<input checked="" type="radio"/> LG Interface<p>Select LG Interface Type</p><ul style="list-style-type: none"><input checked="" type="radio"/> 3 Fan Speed Cool and Heat ⓘ<input type="radio"/> 2 Fan speed Cool only<input type="radio"/> 2 Fan speed Heat and Cool<p><input type="radio"/> Mitsubishi</p></div> <div data-bbox="289 898 1128 1291"><p><input checked="" type="radio"/> VRV / VRF</p><p>Select VRV Type</p><ul style="list-style-type: none"><input type="radio"/> Daikin Heat Recovery<input type="radio"/> LG Interface<input checked="" type="radio"/> Mitsubishi<p>Select Mitsubishi Type</p><ul style="list-style-type: none"><input checked="" type="radio"/> 3 Fan Speed Cool and Heat ⓘ<input type="radio"/> 1 Fan Speed 2 stage Heat & 2 stage Cool ⓘ</div>

	<p>Select a Thermostat option for 'RT2' HVAC Zone</p> <p>e5 Series</p> <ul style="list-style-type: none"> <input type="radio"/> E528 with Built in Relays ⓘ <input type="radio"/> E528 (Powered by VRV 12V) ⓘ <input type="radio"/> E527 (Powered by VRV 12V) ⓘ <p>e7 Series</p> <ul style="list-style-type: none"> <input type="radio"/> e7 with built in relays ⓘ <p>Modeva</p> <ul style="list-style-type: none"> <input type="radio"/> American Standard Modeva (Selected HVAC and Fan Speeds Requires 3 Wires - S5 Bus) ⓘ <input type="radio"/> British Standard Modeva (Selected HVAC and Fan Speeds Requires 3 Wires - S5 Bus) ⓘ <p>Element</p> <ul style="list-style-type: none"> <input type="radio"/> Elements (Selected HVAC and Fan Speeds Requires 3 Wires - S5 Bus) ⓘ <ul style="list-style-type: none"> • When user selected "3 Fan Speed Cool and Heat" option of LG interface then extra X05R shall be added with configured output. • Corrected configuration for Daikin heat recovery option. • Considered E7 as power consumer device with required power 84 mA when used with DD15(VRV_VRF Daikin system). • Updated DD15 available power from 34 mA to 84 mA
2	<p>Modeva British standard switch designer enhanced to support following</p> <ol style="list-style-type: none"> 1. Gang selection as single or double 2. Column selection as single or double 3. Button size selection Normal or oversized <div data-bbox="381 1207 852 1501" style="border: 1px solid #ccc; padding: 5px; margin: 10px 0;"> <p>Gang Selection</p> <p><input checked="" type="radio"/> Single Double Column ▾</p> <p><input type="radio"/> Double Single Column</p> <p style="margin-left: 20px;">Double Column</p> <p>Button Size Selection</p> <p><input checked="" type="radio"/> Normal</p> <p><input type="radio"/> Over Sized</p> </div> <p>Allow user to select button layout of individual column like 2-buttons, 3-buttons, 5 buttons or slider. Options shall be validated based on user selection</p>

Column Properties

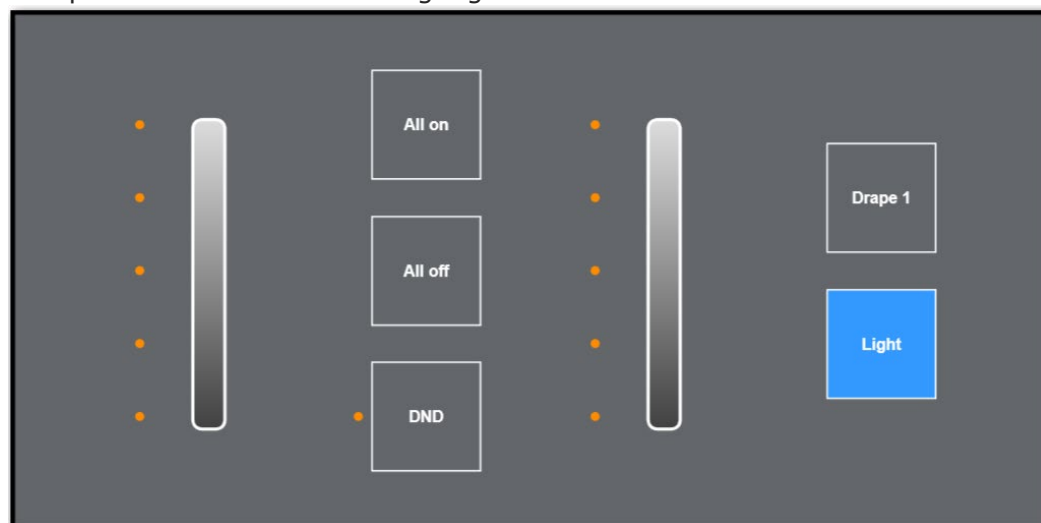
Column 1

Column 2

Column 3 

Column 4

Sample switch contain double gang slider with oversized buttons



3	Fan icon included for element designer
4	PAN ID range validated 2-254 added during script configuration
5	Medium fan speed allowed with single stage heat (HpO and HpB HVAC)
6	Project file protected using checksum. File modified other than INNtool and EngINN cannot be reopen.
7	Switch instance start from _1 instead of _A
8	Reference zone parameter selection allowed for British Modeva switches
9	Added fan speed selection validation with error message. <ul style="list-style-type: none"> • Only Low fan speed allowed when 1 relay remains • Low and High fan speeds allowed when 2 relay remains.
10	Information message updated for minimum lead time of custom colored Modeva thermostat from 6 weeks to 12-16 weeks.
11	Fan map master for medium fan speed disabled when HVAC type selected as HpO or HpB with second stage heat.
12	Edge router validation added for unique combination of RF channel and PAN ID.
13	Corrected application server configuration for multiple HVAC zone with networked and nonnetworked rooms.

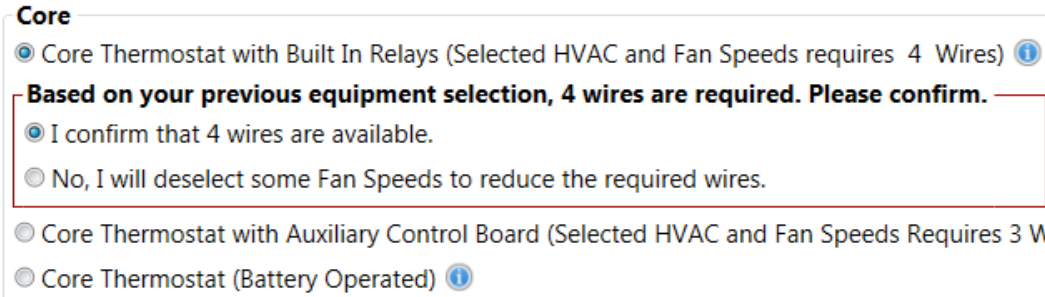
14	Corrected MCM4 default configuration. Default address for doorbell is 232
15	Improved performance of script configuration wizard.
16	Help document updated.
17	Enhancements and bug fixes

7.7 Version 2.7.0.0

S. No	Enhancements/ changes
1	Proper device key is set to thermostat devices based on voltage selection to generate wiring diagrams correctly.
2	Added profit summary tab and labor in BOM for E5 and E7
3	Pricing updated for devices
4	Included single PC503 device by default in BOM while generating deliverables.
5	Disabled Script and Network options if "Is Property Network" is selected as NO.
6.	Changed layout of property details screen. Changed wording of label "Is Installation by Contractor?" to "Is there Honeywell Labor Involved."
7	<p>On thermostat page selection, Core thermostat section is renamed to e7 Series as follows:</p> <p>e7 Series</p> <ul style="list-style-type: none"> <input checked="" type="radio"/> e7 Thermostat with Built In Relays (Selected HVAC and Fan Speeds requires 5 Wires) ⓘ Based on your previous equipment selection, 5 wires are required. Please confirm. <ul style="list-style-type: none"> <input checked="" type="radio"/> I confirm that 5 wires are available. <input type="radio"/> No, I will deselect some Fan Speeds to reduce the required wires. <input type="radio"/> e7 Thermostat with Auxiliary Control Board (Selected HVAC and Fan Speeds Requires 3 Wires - S5 Bus) ⓘ <p><i>Figure 1 Options for e7 thermostat</i></p>
8	EMS option is selected as “yes” on Ems options screen when Core thermostat is selected.
9	Removed HAFELE option from CELS type combo-box on EMS options screen. CELS type combo-box was shown when Ems type is selected as “Electronic Door Locks and Motion sensor”
10	Added point of control summary for each HVAC Zone in room type summary screen.

11	Added PC502 device in “Add Device” combo-box in input mapping screen so that same device can be utilized in S5 mappings.
12	CELS option shall auto populate on EMS option screen based on selected CELS option from network wizard.

7.8 Version 2.6.0.0

S. N o.	Enhancements/ changes
1	Allow user to create Evora artwork with rocker.
2	Load & Zone mapping screen enhanced to override controller mapping; User shall be allowed to add new controller for mapping.
3	Enhancement done in input mapping and S5 island screen.
4	Added support for WBI based master contactor. Master Zone configuration to allow selection of Master contactor type and zone control type
5	Input mapping screen only visible when any input device available.
6	<p>Allow user to create HVAC room with Core thermostat</p> <ul style="list-style-type: none"> New option added as Core thermostat in thermostat selection screen  <p><i>Figure 2: Core thermostat options for first point of control</i></p> <ul style="list-style-type: none"> Below options available from 2nd point of control when 1st point of control configured with Core thermostat

Core

- Core Thermostat with Built In Relays (Selected HVAC and Fan Speeds requires 4 Wires) ⓘ
- Core Thermostat with Auxiliary Control Board (Selected HVAC and Fan Speeds Requires 3 Wires) ⓘ
- Core Thermostat (Battery Operated) ⓘ
- Secondary Actuator ⓘ

Select the Connection Type

- Wired Directly to Thermostat (S5 Bus)
- Wireless (Requires PC502)



Figure 3: Core thermostat options from second point of control

- Two color options available for Core as Black and white.
- Core thermostat considered as available radio source device in S5 island screen.
- Included in bill of material with part number and required quantity. Pricing shall available in coming release.

7 Provided user selection as “Is property networked” for most effective energy management system during project creation.

8 HVAC wizard flow changed for multipoint of control. Following are the changes.

- Added new page as HVAC zone setup to create HVAC zones as per below screen.

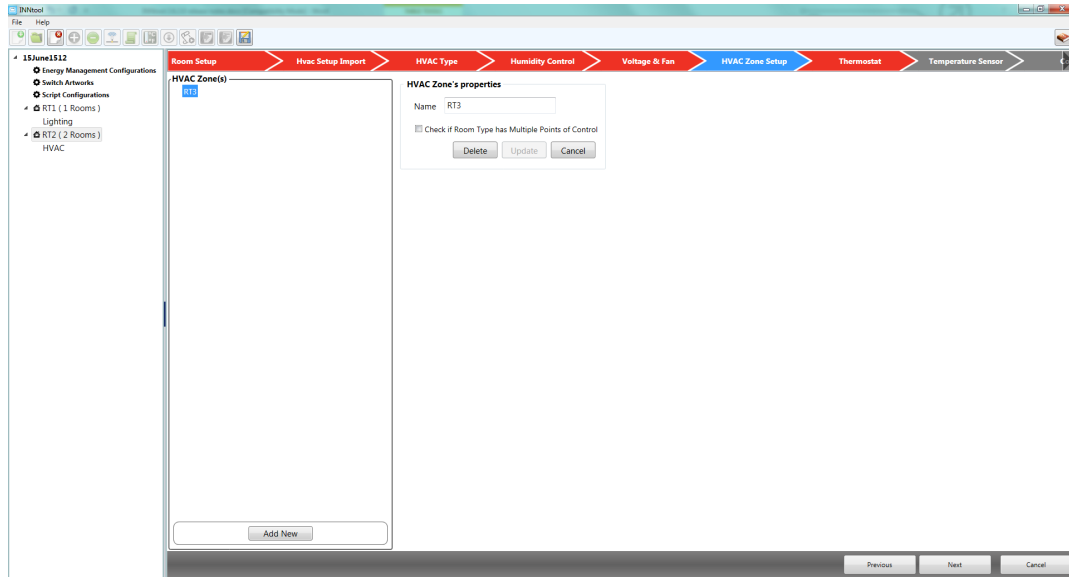


Figure 4 : HVAC zone screen for single point of control

Screen shall allow to add multiple zones with multiple point of controls.

- Modified Thermostat selection screen as per below

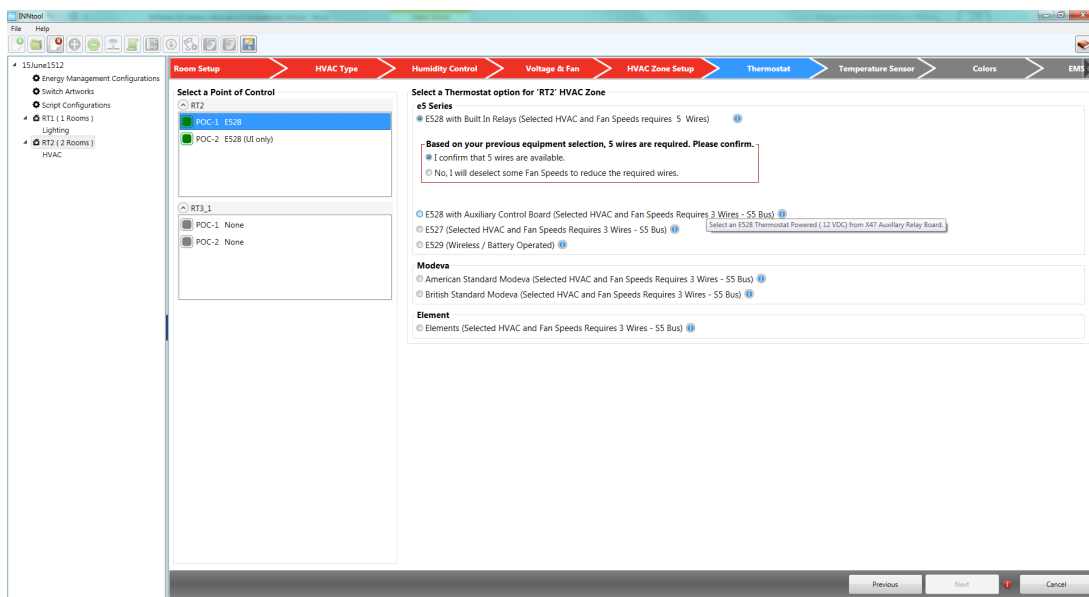


Figure 5 : Selecting Thermostat for 1st point of control

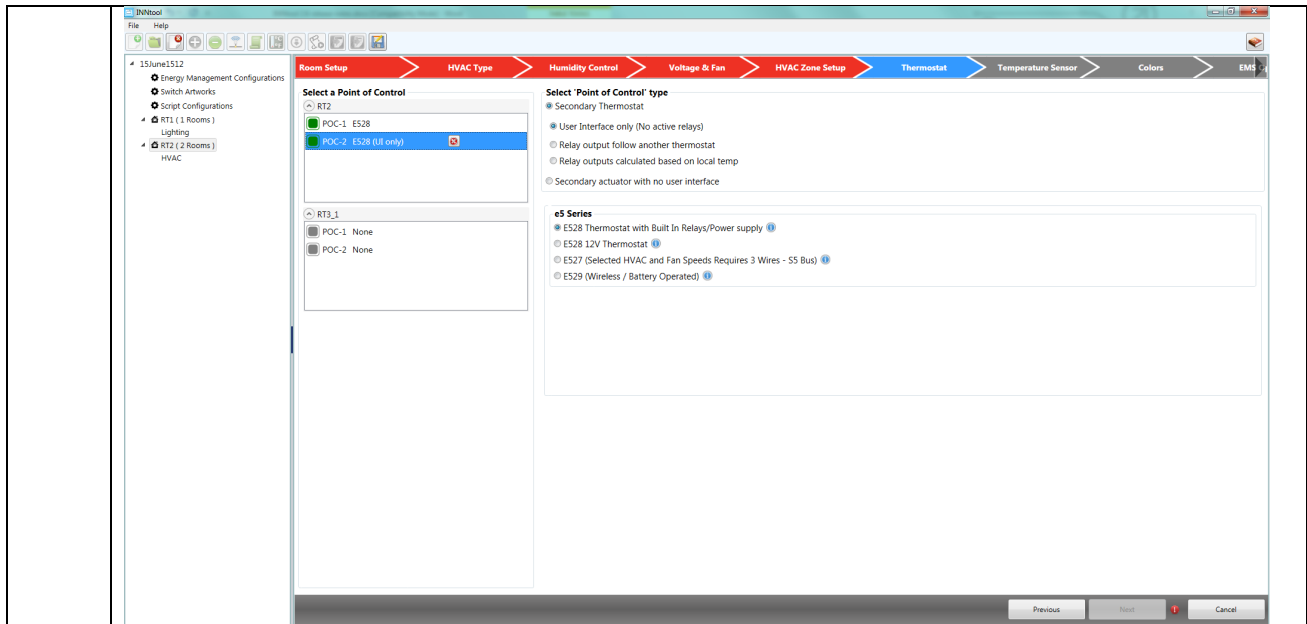


Figure 6 : Selecting Thermostat for 2nd point of control, User interface

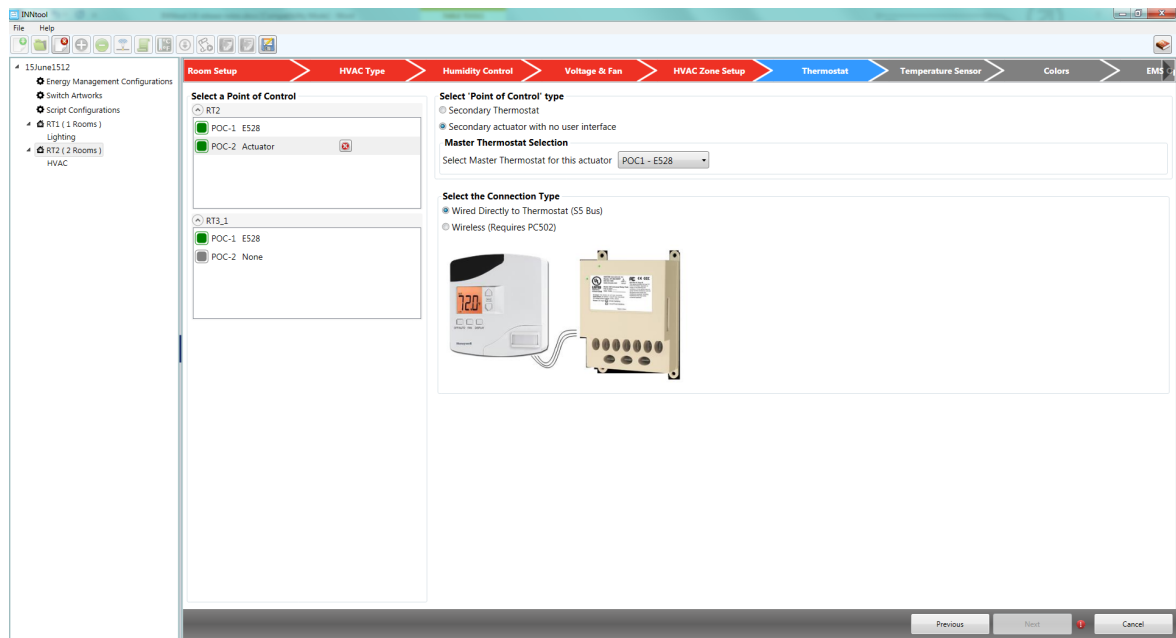


Figure 7 : Selecting Thermostat for 2nd point of control, No User interface

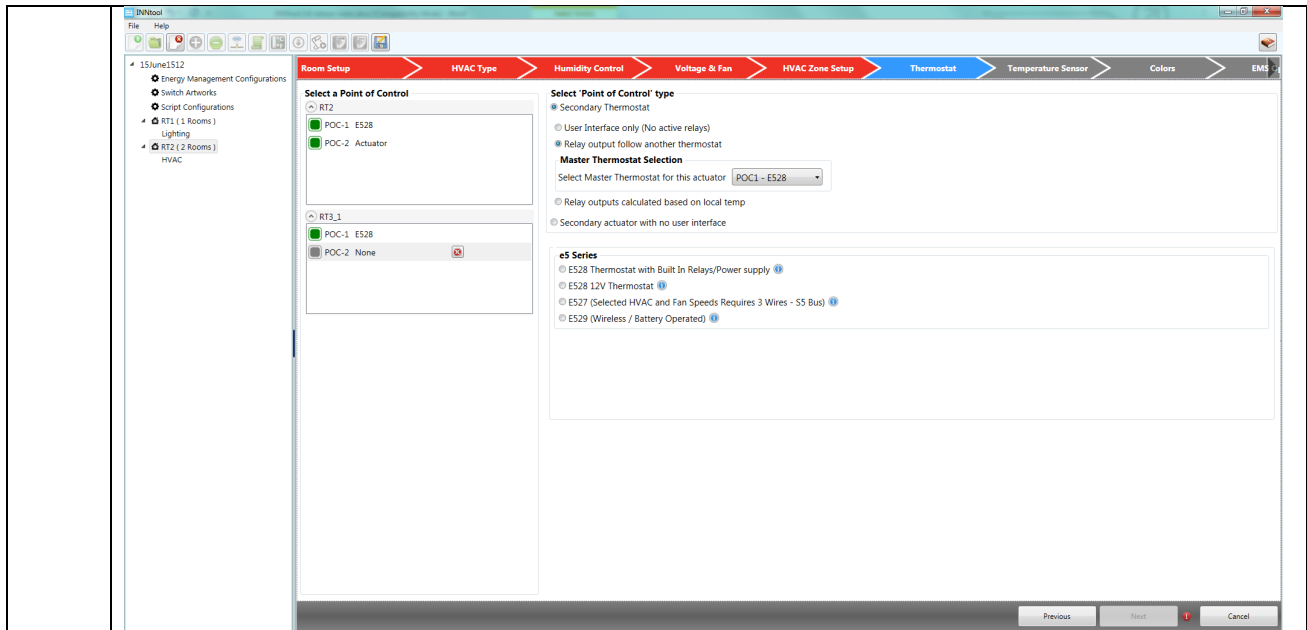


Figure 8 : Selecting Thermostat for 2nd point of control; Relay output follow another thermostat

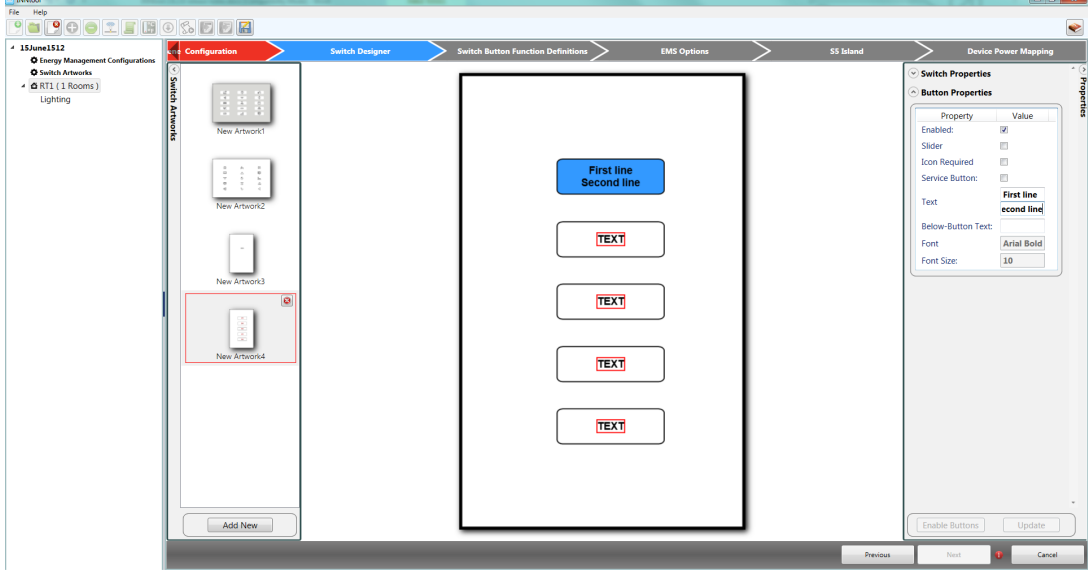
- Multiple SREC created for multiple point of control room. Following would be the format of SREC file considering max length of SREC file 30 characters
Projectcode(5 chars)_Roomtype(4 chars)_Zonenum(3 chars)_DeviceType(4 chars)_DeviceAddress(3 chars).Srec
- When Property is Networked then within each HVAC zone address of HVAC devices can start back from its base address for example for "HVACZone1" address of 1st tstat would be 14 second would be 15 and so on, for "HVACZone2" address of 1st tstat STILL can be 14 and second would be 15 and so on,
- When Property is Non-Networked then within across all the HVAC zones address of HVAC devices cannot be repeated for example in "HVACZone1" address of 1st tstat would be 14 second would be 15 and so on, for "HVACZone2" address of 1st tstat would be 16 and second would be 17 and it cannot be repeated because same room ID is going to be shared between multiple HVACZones for non-networked property.

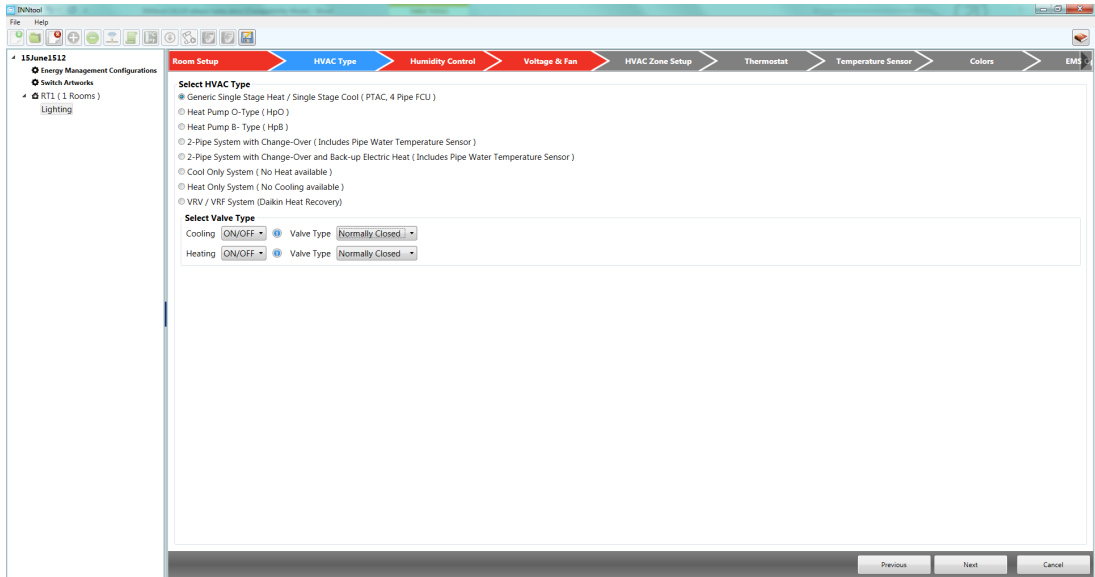
9	Network wizard enhanced such way that when Wireless RF/ Ethernet option is selected "B578 - L" edge router can be specified in Wizard and in BOM. Part number for B578 is changed
10	Pricing information updated for B578 device.
11	Color configuration page enhanced for core thermostat. Allow user to select different color for individual point of control as per below screen.



Actuator point of control shall not be selectable for color selection.

12	<p>Allow user to generate switch Metrix document when room configured with HVAC only.</p> <p>All user selected color option core devices shall be listed based on multi point of control.</p>
13	<p>Improved load & Zone mapping screen for override controller assignment.</p>
14	<p>Device power mapping screen updated.</p> <ul style="list-style-type: none"> • X47s available power is updated to 130mA. • Pc502 power consumption is updated to 70mA. • Power Management correction for Evora and US Modeva switches.
15	<p>Following change done in Script section</p> <ul style="list-style-type: none"> • WinP5PT.p5s script file is updated • DMSPC.cfg file is corrected. • Supported addition of B578 Edge router in script wizard.
16	<p>On and Off switch function added for relay type of circuits.</p>
17	<p>Relay zones shall be disabled for Dim up and Dim down switch function.</p>
18	<p>Changed text for HVAC & Valve type as per follow</p> <ul style="list-style-type: none"> • Heat Pump South to Heat Pump B-type • Heat Pump North to Heat Pump O-Type
19	<p>Modeva thermostat (GS528V, GS528H and GS527) power consumption updated to 35mA.</p>
20	<p>Double line text supported for Modeva and Evora switches as per below screen. Two text fields added in button properties section to accept user input.</p>

	
21	<p>Changed text for Electronic Door lock (CELS) to Electronic Door Lock (CELS) and Motion Sensor.</p>
22	<p>Updated all UI where X45RA show with channel number, Now channel shall show in pair if paired. Example 1-4, 2-6, 3-7 & 4-8.</p>
23	<p>Following changes done in INNtouch screen</p> <ul style="list-style-type: none"> • S-Series British version option is removed from DND/MUR Corridor and Interior switches selection options. • Color selection for Modeva US, Modeva British, Evora and S-Series (US) DND/MUR Corridor and Interior switches are removed.
24	<p>Following changes done in Switch Designer screen</p> <ul style="list-style-type: none"> • Switch Designer screen will be always visible if DND/MUR is selected. • Selected DND/MUR Corridor and Interior switches are populated in switch designer so that user can select required color for them.
25	<p>Changes on Switch Button function definition screen</p> <ul style="list-style-type: none"> • Selected DND/MUR Corridor and Interior switches instances are populated in Switch Button function definition so that user will be able to see the configured buttons for that switches. • New operation type ON and OFF are added.
26	<p>Changes on EMS options screen</p> <ul style="list-style-type: none"> • Added separate option for Electronic Door Locks(CELS) and Motion Sensor in Energy Management type selection section with following CELS Type options: <ul style="list-style-type: none"> - Timelox/Ving - Saflok - Salto • Door Expose Room selection checkbox added.

27	<p>Changes on Voltage and Fan screen</p> <ul style="list-style-type: none"> • HVAC Control power is distributed in to three option: <ul style="list-style-type: none"> - 24VAC - Line Voltage 100 - 240(VAC at 50/60 Hz) - Line Voltage 265 - 277(VAC at 50/60 Hz) <p>Similar option are provided while selecting Thermostat option in case of VRV / VRF system.</p>
28	<p>HVAC type screen enhanced to select valve type for cooling and heating as “Normally Open” and “Normally Closed” as per below screen</p> 
29	<p>Add a Column in BOM to have name of device Type, this is similar to device type name present in Room.</p>
30	<p>SFT field for Clear scene button function is set to text "OFF".</p>
31	<p>Added few more icons for Modeva switches.</p>
32.	<p>Strategic AppMap for E528 is updated so that SREC generated for E528 would refer latest banks</p>
33.	<p>Fixed the application crash issue on following.</p> <ul style="list-style-type: none"> • Evora switch designer page reported. • While adding of new Elements switch. • Selection of artwork under Room. • When float switch included in room type.
34.	<p>Added the new value of DeviceType for E-series of Thermostat.</p>
35.	<p>Fixed the issue related to Virtual output for Evora switch, in few cases INNtool was generating</p>

	virtual output even if the zone controlled by the switch itself.
36.	US Gang Modeva Switches: With Single Shelf s/w all version of 5 buttons Modeva switches can be supported by tools.
37.	Power supply count issue: Issue reported by Mike related to additional PS564 is resolved. PS deleted by user was not getting saved in project file.
38.	US Gang Modeva Switches: Fixed the issue related to alignmnet of virtual index for dual gang US Modeva switch.
39.	Fixed Fan speed configuration issue.
40.	Equipment type registry parameter is populated when Wizard is finihsed.
41.	Core thermostat in UI is changed to e7.
42.	Part number of e7 based on new convention.
43.	Value of Relay configuration correction for HbO type of HVAC.
44.	Added one more EMS type option and CELS.
45.	Improved performance of switch button function definition page.
46.	Mixing of E-Series and Core thermostat is allowed for multi-point of control.
47.	Add a Column in BOM to have name of device Type
48.	When X47 is added to Room because of E529 then its address should be assigned as 14 instead of 224, in all these scenario (with E528_12V or E527) address of X47 would remain as 224.

7.9 Version 2.5.0.0

S. No.	Enhancements/ changes
1	Pricing updated based on latest JCA for various devices like E528, X47,X05R, X05BX06 D254_FET, D454_FET, L208R, L208D, MCM4 L506, X08, X09, X10, PC485, GS563, GS564,K594W, K594C, PC803, PS567, SL210, S563, S564, PS564, EV564, British Modeva switch, S5Board, HUMIDITY SENSOR. PIR motion sensor etc
2	Display room type name next to room instance name in manager room.
3	Added CE and CQC check box at project level along with country selection.
4	Included CE marked devices such as X45RA, D454_FET, and Updated device part number based on CE marked.
5	Following changes done in bill of material. <ul style="list-style-type: none"> • CE marked devices added. • CE and CQC columns are displayed. • Gang box entry for element added. • Elements devices added

6	X47 added for line voltage when project is CE marked
7	Pricing only available in country US and Canada.
8	New part number(04-1096) updated for wired temperature sensor.
9	Assign Pan id to PC803 device in Script Configuration Wizard.
10	Added RF Channel field for PC803 device.
11	<p>Following 16 standard colors are supported for elements devices</p> <ul style="list-style-type: none"> - Synthetic chalk White - Synthetic Natural Stone - Synthetic Beach Pebble - Metallic Stain Titanium - Metallic Stain Platinum - Metallic Brushed Bronze - Metallic Cast Iron - Metallic Brushed Steen. - Glass Effect Ice White - Glass Effect Golden Sand - Glass Effect Polished Stone - Glass Effect Polished Onyx - Natural British Oak - Natural Cream Hide - Natural Dark Hide - Natural Dark Wenge
12	New Option as Elements added in thermostat page.
13	Elements thermostat devices like TST1, GKC1 and PIR1 added based on user selected EMS options.
14	<p>Elements Switches</p> <ul style="list-style-type: none"> - Elements (British Standard) option added in Switch artwork design at project level. - Elements (British Standard) added in user interface selection options on Amenities setup page. - 16 standard colors and finishing are supported. - Standard SKUs available as DBL1, ELS1, ELS2, ELS4, ELS5, ELS7, ELS8 and ELS9 to add in room. - Custom design as 1-3 inputs, 1-3 inputs with red/ green LEDs and 4-6 inputs are available. - 4 Standard colors options are available for Window and Frame color during custom design. - Iconography re-arrangements supported for custom design. - Facilitate to import artwork using exiting switch descriptor. - Combi plate design supported with various options like all features of custom design and Euro module options as USB charging, Universal Socket, and British Socket etc.

	<ul style="list-style-type: none">- Elements switches added in Switch Metrix document.- Added in bill of material.
15	Enhancements and bug fixes