SIEMENS

Desigo CC

Desigo TRA SSP EU Extension module

Software options, dynamic symbols

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Table of Contents

1.		Abo	ut th	is document	3
	1.	.1.	Purp	pose	3
	1.	.2.	Sco	ре	3
2.		Libra	aries	version	3
3.		Eng	inee	ring workflow	4
4.		Roo	m (T	RA) SSP EU library (BA_Room_TRA_101_ZN_1)	8
	4.	.1.	Sym	nbols	8
		4.1.	1.	DYN_AII_Room_Overview_AII_001_101	8
		4.1.	2.	DYN_2D_TRA_Room_Panel_Central_001_101	9
	4.	.2.	Soft	tware options1	
		4.2.	1.	TRA_Floor_Monitoring_1_1011	0
		4.2.2	2.	TRA_Floor_Monitoring_2_1011	0
		4.2.3	3.	TRA_Floor_Monitoring_3_1011	0
		4.2.	4.	TRA_Floor_Monitoring_4_1011	0
		4.2.	5.	TRA_Floor_Monitoring_5_1011	1
		4.2.	6.	TRA_Floor_Monitoring_6_1011	1
5.		Roo	m (T	RA) SSP EU library (BA_Room_TRA_ZN_1)1	1

1. About this document

1.1. Purpose

This document describes the content of the Room (TRA) SSP EU Library delivery for the Management Station. It helps Project Engineers and Graphics Engineers to get a quick overview of the available basic graphic elements, such as dynamic graphic symbols, functions and icons. It provides information about the available shapes and data point substitutions for dynamic symbols.

1.2. Scope

This document applies to the Desigo CC MP2.1 and Extension module "Desigo TRA SSP EU"

2. Libraries version

Description	Name	Version
Room (TRA) SSP EU library	BA_Room_TRA_101_ZN_1	1.1
Room (TRA) library	BA_Room_TRA_ZN_1	1.123

3. Engineering workflow

In zoomed out mode the visualization of the properties on the floor plan graphic is controlled by a software option. The software option should be linked into the logical view from the library.

Management View		
	Q v	ΨE
how Name [Description]	V	
Manual navigation	Send	
ManagementView [Project]		
FieldNetworks [Field Net	works]	
ManagementSystem [ManagementSystem]		
V SystemSettings [System	Settings]	
ClientSettings [Client	Settings]	
ConversionTools [Con	nversion Tools]	
JournalingRootFolder	r [Journaling]	
Libraries [Libraries]		
HQ [L1-Headquar	ter]	
Project [L4-Project	t]	
RC [L3-Country]		
V ZN [L2-Region]		
W BA [BA]	TN 1 (Air Surteen SCD EU)	
	I_ZN_1 [Air System SSP EU] 101 ZN 1 [Air System (PX) SSP EU]	
	101 ZN 1 [Cooling System SSP EU]	
	_ror_crc_r [cooling System SS E0]	
	al_PX_101_ZN_1 [BA Electrical PX 101 ZN 1]	
	101_ZN_1 [Heating System SSP EU]	
	PX_101_ZN_1 [Heating System (PX) SSP EU]	
► BA_HVAC_	101_ZN_1 [HVAC SSP EU]	
► BA_HVAC_	PX_101_ZN_1 [HVAC (PX) SSP EU]	
BA_Service	s_101_ZN_1 [Miscellaneous SSP EU]	
BA_Service	s_PX_101_ZN_1 [Miscellaneous (PX) SSP EU]	
BA_Water_	101_ZN_1 [Water System SSP EU]	
	PX_101_ZN_1 [Water System (PX) SSP EU]	
Device [De	7	
Room [Roo		
	m_TRA_101_ZN_1 [Room (TRA) SSP EU]	
	s [icons]	
	ctModel [Object Model] iMS_TRA_Floor_Monitoring_Options_101 [TRA Floor Monitoring Configuration SSP EU]	
	wareOptions [Software Options]	
the second s	RA Floor Monitoring 1 101 [TRA Floor Monitoring 1 SSP EU]	
	RA_Floor_Monitoring_2_101 [TRA Floor Monitoring 2 SSP EU]	_
	RA_Floor_Monitoring_3_101 [TRA Floor Monitoring 3 SSP EU]	
T	RA_Floor_Monitoring_4_101 [TRA Floor Monitoring 4 SSP EU]	
т	RA_Floor_Monitoring_5_101 [TRA Floor Monitoring 5 SSP EU]	
Т	RA_Floor_Monitoring_6_101 [TRA Floor Monitoring 6 SSP EU]	
	bols [Symbols]	
	Groups [Text Groups]	
	xG_TRA_Floor_Monitoring_Status_Texts_101 [TRA Floor Monitoring Status Texts SSP EU]	
	xG_TRA_Floor_Symbols_Texts_101 [TRA Floor Symbols Texts SSP EU]	
	m_TRA_ZN_1 [Room (TRA)]	
Fire [Fire] Global [Global		
-	· · · · · · · · · · · · · · · · · · ·	
ecently Viewed		

System Browser		Default		Textual Viewer	
Logical View		20	Second real of the second	_Plan3] - TRA_Floor_N	Nonitoring_1 [TRA Flo
Show Name (Description)	ΨB		E.	alues unction	
Manual navigation Send		-		Ø Status Grean L	.eaf
 Logical [Logical] SRE_Algorex [Fire Alarm] SRE_FX [Building Automation] B [Byggnad] Global [Global] SRE_SIPass [SRE_SIPass] SRE_SPC [Intrusion] SRE_TRA_DXR [Building Automation] FIr_1 [Plan 1] R_4 [Rum 4] Configuration [Configuration] TRA_Floor_Monitoring_1 [TRA Floor Monitoring 1] TRAApomDisplayOutsideTemperature [TRA Room Display Outside Temperature] 		₽ ₽ 100% ₽ ₽ ₽		316	322A 322B 323 322 331 322 331 13 13 14 14 314B 314
Global [Global]		Ø I₄		rature 21.0 °C	

By dragging out the software option into a graphical page, the symbol for the software option populates the page. The symbol (page bar) harmonizes with the rest of the SSP EU page bars. It is compatible with the default graphic page 1600x700.

Values	Settings	Information
Function Icon Value	Low jimit High jimit Icon <mark>Value I</mark> con <mark>Value</mark>	SystemInformation PanelTitle PanelName

In zoomed out mode (267% or less on the 1600x700 graphic page) is used the software option. When the symbol's Function tab is selected, in the Operation tab, in the Contextual pane, one of the following options could be chosen, using the Function Selector property:

- Status Green Leaf
- Status Heating/Cooling
- Status Operating Mode
- Status Presence
- Status Room Window
- Status Temperature

By dragging out the room node from Logical View of the System Browser into a graphical page, the symbol containing the essential properties for that room populates the page. The link to the software option should be added in the substitution tab manually by the graphics engineer.

Depending on the option selected in the Function Selector, the symbol visualizes one of the following properties from TRA:

- Green leaf
- Heating/cooling state
- Room operating mode
- Room presence
- Room windows state
- Temperature

Default Textual Viewer		
BA\Room\TRA_Plan3\VP_FloorPlan3 [VP_FloorPlan3] - Fl	r_1 [Plan 1]	
📝 🛒 Values		Settings
→ Function ← □ ✓ ✓ Status Grean Leaf		
.⊕		
	3148 314C 314D 314E 313A 313B 313C 313D 313E 3	
	<u> </u>	
Operation Extended Operation	Detailed Log	
TRA_Floor_Monitoring_1 [TRA Floor Monitoring 1]		
Punction Selector Status Grean Leaf		Value Status Grean Leaf 🛛 🗙 Change
Low Limit Temperature 21.0 °C		Value 21.0 Change
High Limit Temperature 26.0 °C		Value 26.0 Change

In zoomed in mode (267% or more on the 1600x700 graphic page) the symbol shows all the properties visible, both as a dynamic symbol and with color status.



3-Satisfactory

4-Good

2-Poor

1-Undefined

5-Excellent



Status Heating/Cooling symbol and color codes:

Status Operating Mode symbol and color codes:



Status Presence symbol and color codes:



Status Room Window symbol and color codes:



Status Temperature symbol and color codes:



The High Limit Temperature and the Low Limit Temperature are adjustable from the function's operation tab.

4. Room (TRA) SSP EU library (BA_Room_TRA_101_ZN_1)

4.1. Symbols

4.1.1. DYN_All_Room_Overview_All_001_101

Symbol Name					
	DYN_AII_Room_Overview_AII_001_101				
	Library				
	BA_Room_T	RA_101_ZN_1			
	Desc	ription			
Room	Overview	All			
	Syı	mbol			
Values	Settings		Information		
Function Icon Value	Low limit High limit Icon <mark>Value I</mark> con <mark>Value</mark>		SystemInformation	PanelTitle PanelName	
	Remarks:				
Room overview bar for room graphics pages.					
All texts in the bar are loc	calized (translated text), langu	age will depend on th	e current user.		
Sub	stitutions		Set of Values		
PanelName		Name of the panel			
PanelTitle		Panel title			
SystemInformation		Information about th	ne system		
SystemInfoVisible		0=Hidden			
		1=Visible			

Symbol Name				
	DYN_2D_TRA_Room_Panel_Central_001_101			
	Lib	rary		
	BA_Room_TI	RA_101_ZN_1		
	Desc	ription		
TRA Room Information	Room Panel	Central		
· · · · · ·	Syr	nbol		
Con Con Temp Con Son Con				
Subst	itutions	Set of Values		
*TRARoom		Dynamic symbol for TRA room information.		
TRAConfig		The link to the softw tab manually by the	vare option should be added in the graphics engineer	

4.1.2. DYN_2D_TRA_Room_Panel_Central_001_101

4.2. Software options

4.2.1. TRA_Floor_Monitoring_1_101

This software option should be linked into the logical view from the library (see the engineering workflow from above for more details). It is preprogrammed to populate on the graphic page with preselected option Status Green Leaf. The rest of the options could be selected in the Operation tab, in the Contextual pane using the Function Selector property.

The graphic symbol is DYN_All_Room_Overview_All_001_101

and the second	Values	Settings
	Function	

4.2.2. TRA_Floor_Monitoring_2_101

This software option should be linked into the logical view from the library (see the engineering workflow from above for more details). It is preprogrammed to populate on the graphic page with preselected option Status Heating/Cooling. The rest of the options could be selected in the Operation tab, in the Contextual pane using the Function Selector property.

The graphic symbol is DYN_All_Room_Overview_All_001_101

Constant of	Values	Settings
The second s	Function	

4.2.3. TRA_Floor_Monitoring_3_101

This software option should be linked into the logical view from the library (see the engineering workflow from above for more details). It is preprogrammed to populate on the graphic page with preselected option Status Operating Mode. The rest of the options could be selected in the Operation tab, in the Contextual pane using the Function Selector property.

The graphic symbol is DYN_All_Room_Overview_All_001_101

Va	lues	Settings
F	Status Operating Mode	

4.2.4. TRA_Floor_Monitoring_4_101

This software option should be linked into the logical view from the library (see the engineering workflow from above for more details). It is preprogrammed to populate on the graphic page with preselected option Status Presence. The rest of the options could be selected in the Operation tab, in the Contextual pane using the Function Selector property.

The graphic symbol is DYN_All_Room_Overview_All_001_101



4.2.5. TRA_Floor_Monitoring_5_101

This software option should be linked into the logical view from the library (see the engineering workflow from above for more details). It is preprogrammed to populate on the graphic page with preselected option Status Room Window. The rest of the options could be selected in the Operation tab, in the Contextual pane using the Function Selector property.

The graphic symbol is DYN_All_Room_Overview_All_001_101

ettings

4.2.6. TRA_Floor_Monitoring_6_101

This software option should be linked into the logical view from the library (see the engineering workflow from above for more details). It is preprogrammed to populate on the graphic page with preselected option Status Green Leaf. The rest of the options could be selected in the Operation tab, in the Contextual pane using the Function Selector property.

The graphic symbol is DYN_All_Room_Overview_All_001_101

Values	Settings	Settings	
Function	Low limit	High limit	
Status Temperature	I 4 21.0 °C	I [™] 23.0 °C	

5. Room (TRA) SSP EU library (BA_Room_TRA_ZN_1)

This library depends on the Room (TRA) (BA_Room_TRA_HQ_1_123) and on the Room (TRA) (BA_Room_TRA_101_ZN_1_0) libraries. It is customized from the HQ library BA_Room_TRA_HQ_1 and it contains the customized functions for the TRA rooms for the following applications:

- RoomTRAHvac11
- RoomTRAHvac12
- RoomTRAHvac13

The customization affects only the default symbol in the functions so if room node from the System Browser is dragged to the graphic page in style "Any" it will populate the page with the symbol:

DYN_2D_TRA_Room_Panel_Central_001_101

