Intégration d'un équipement KNX : Déclenchement sur interrupteur

Concepts

The 'Write' column corresponds to 'W' objects: device control.

The 'Read' column corresponds to 'T' objects: state feedback for the controlled device (indicator).

The Scenarios enable the execution of a sequence of actions for all the devices.

The triggers run a scenario in accordance with the conditions based on the devices' state.

Installing the device

Example: management of a KNX switch to run a scenario.

We will set a trigger on a scenario.

The trigger will respond to the state of the property of the module based on the bit such as the switch.

The scenario will trigger the required actions.

ETS programming:

Create a group address related to the 'T' object of the switch returning its state to the bus.

- 11/2/0: related to the 'T' object returning a state to 1 bit.

Example based on a pushbutton connected to the Hager TX304 module's input 1 (4 inputs to be built in).

Configuration of the module's input 1:

Participant: 1.1.55 Boutons x4 (1) 4 entrées à encastrer

Entrée 1-4		
Entrée 1	Type de canal	Marche / Arrêt
Entrée 2		
Entrée 3	action sur front actif	marche
Entrée 4		
Informations	Front actif	front montant

Module objects:

	Nombre ▲	Nom	Fonction d'objet	Descripti...	Adresses de groupe	Longueur	...	R	W	T	U	Type de données	Priori...
	1	Marche / Arrêt	Entrée 1		11/2/0	1 bit	C	R	-	T	-		Bas
	7	Inclinaison	Entrée 2			1 bit	C	R	-	T	-		Bas
	8	Montée / Descen	Entrée 2		12/1/0	1 bit	C	R	-	T	-		Bas
	13	Inclinaison	Entrée 3			1 bit	C	R	-	T	-		Bas
	14	Montée / Descen	Entrée 3		12/1/0	1 bit	C	R	-	T	-		Bas
	18	Indication d'état	Entrée 4			1 bit	C	R	W	-	-		Bas
	19	Inclinaison	Entrée 4		8/1/1	1 bit	C	R	-	T	-		Bas
	20	Montée / Descen	Entrée 4			1 bit	C	R	-	T	-		Bas

Interfacing group addresses and properties in Tydom 3.0:
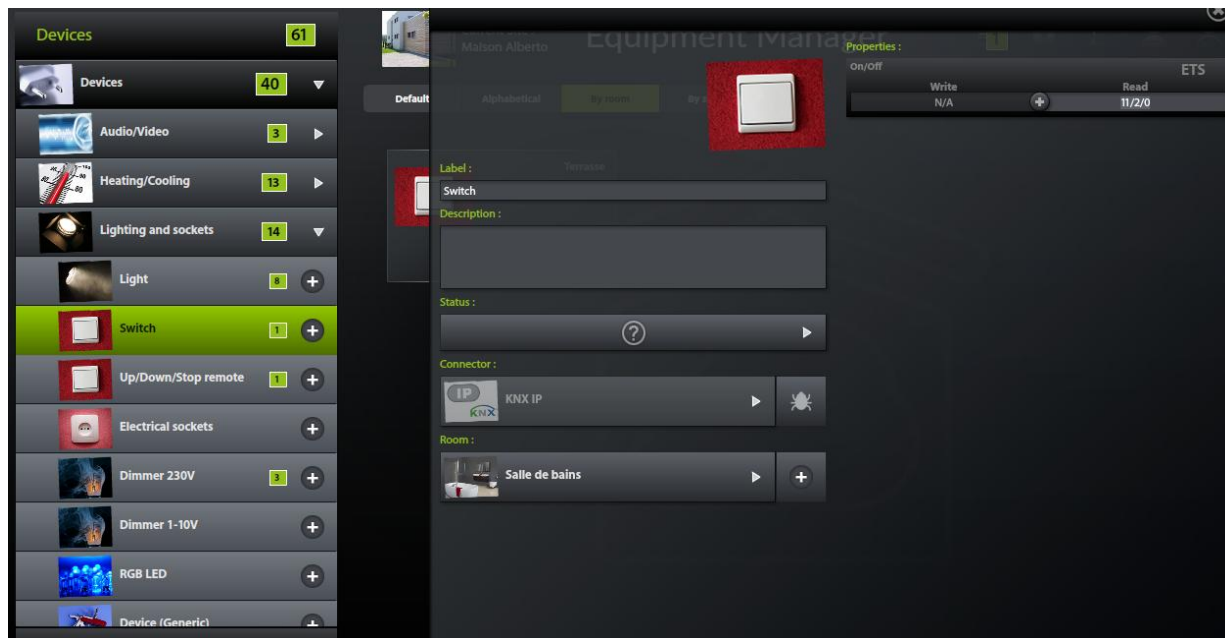
Fonction		Objet	Propriété
Lecture valeur 0 ou 1	Objet de type "T" sur 1 bit DPT 1.001 (On/Off) par exemple		

Programming a device:

- ⬚ Create a 'switch' type device

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with a switch
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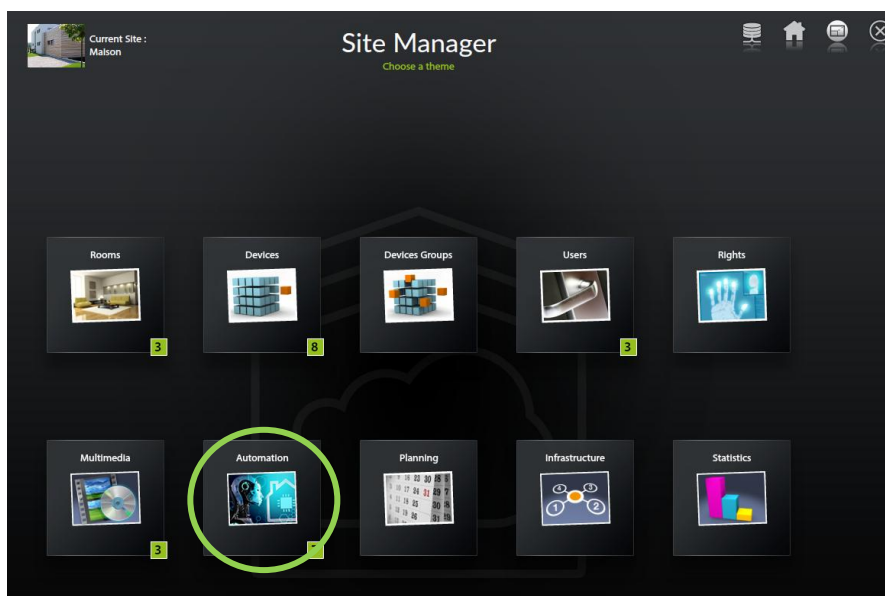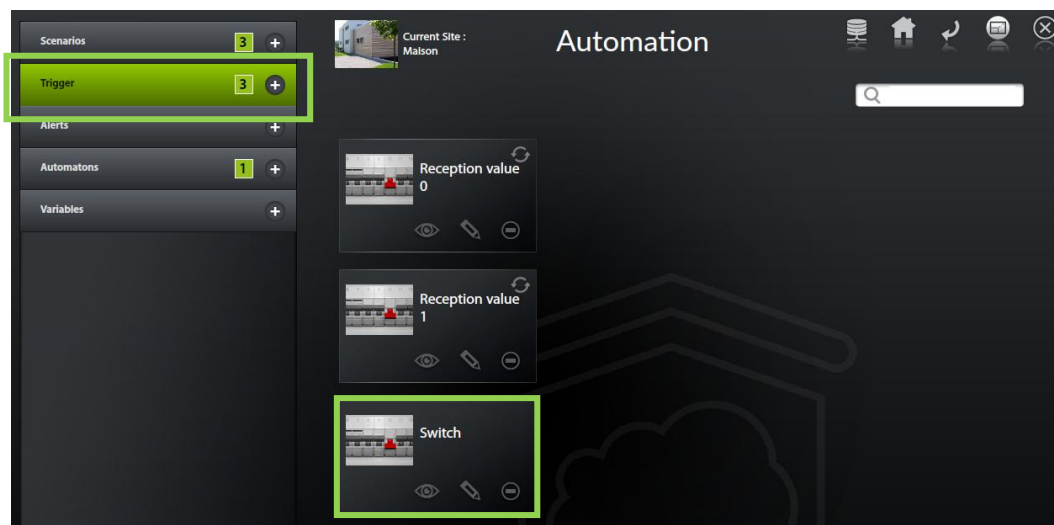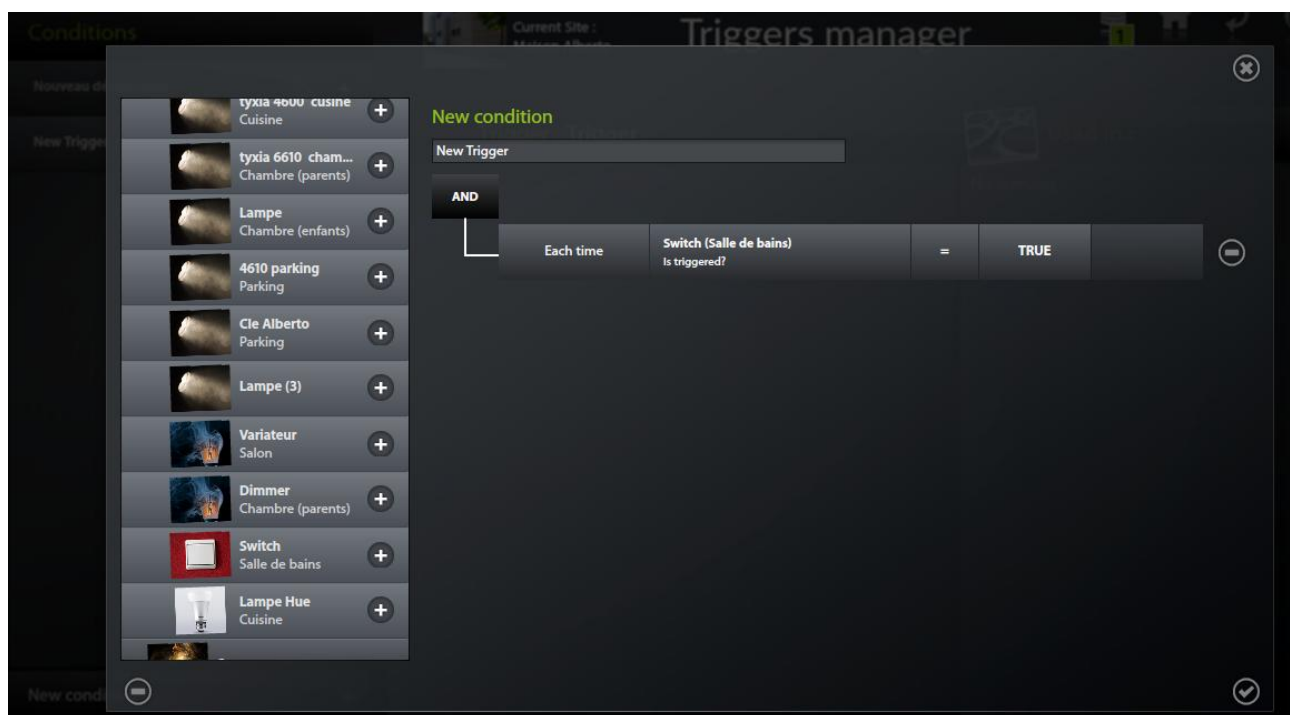with a switch
28/08/2015 – version 1
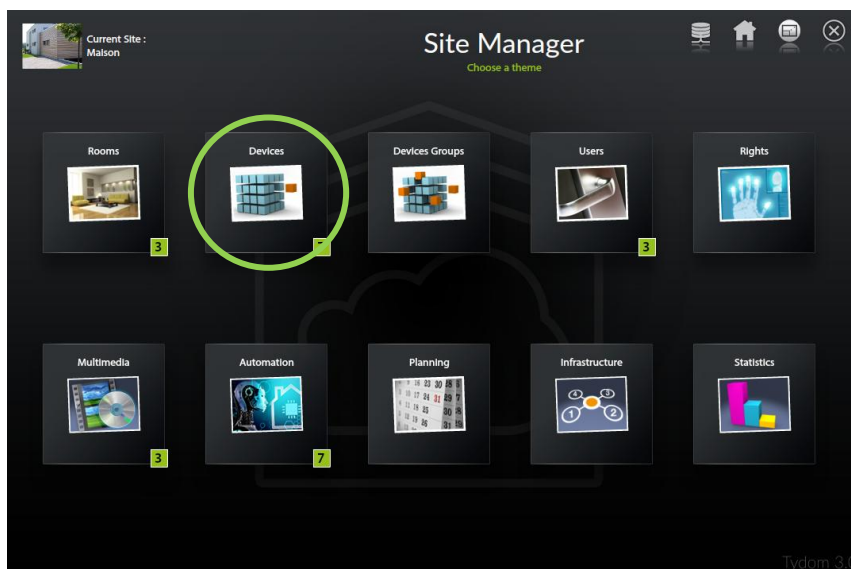
⬚ Configure the property

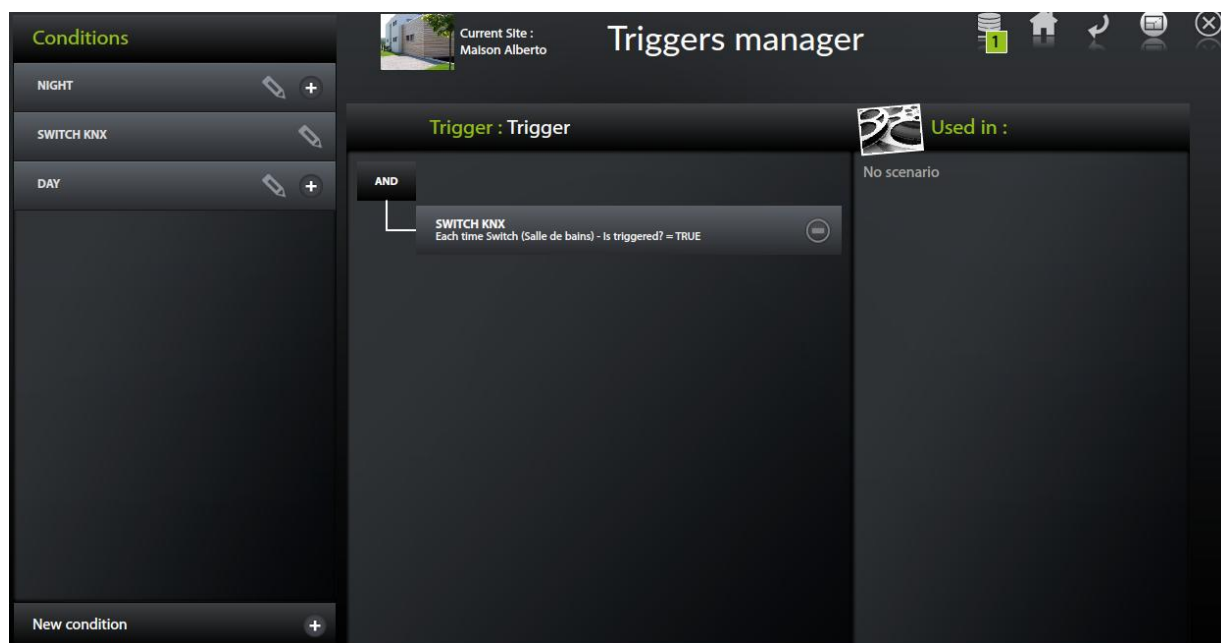Creating the trigger:

⬚ Create a trigger in the 'scenarios' module

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with a switch
28/08/2015 – version 1

⬚   Add the condition

▢ Select the condition in the trigger

Creating the scenario:

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28/08/2015 – version 1
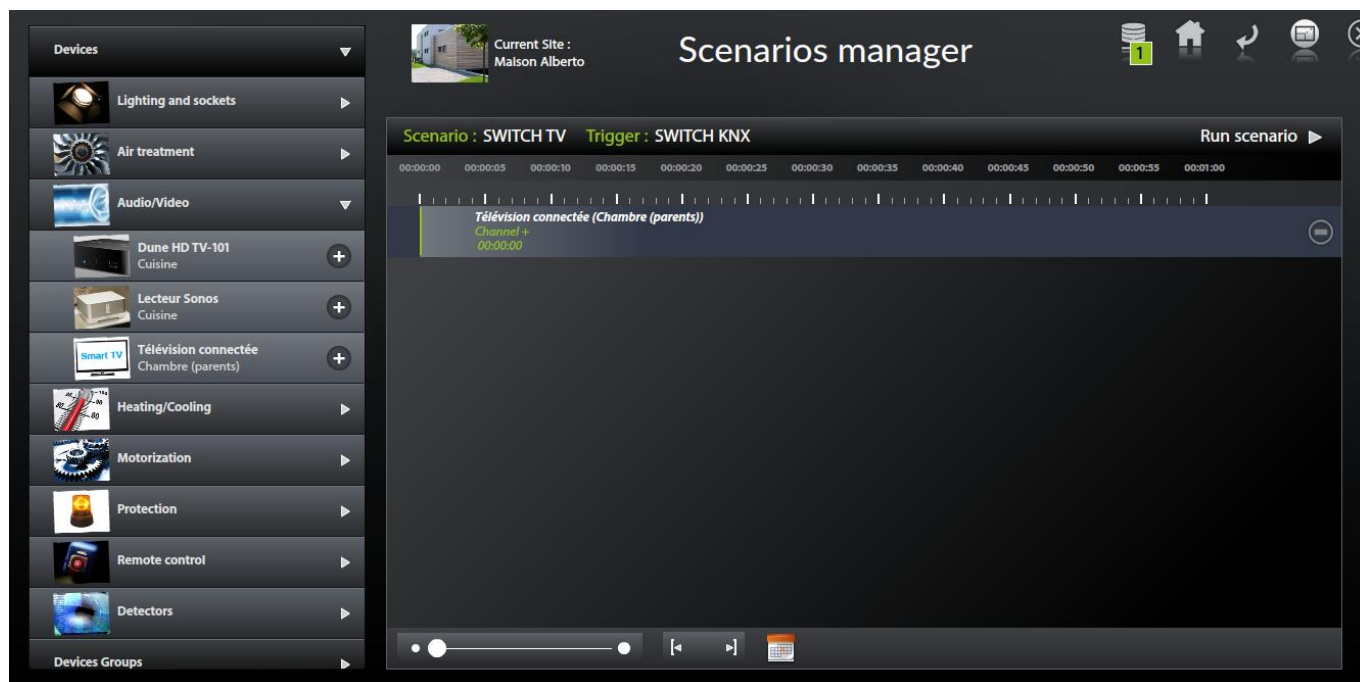
 ▢   Connect the scenario and the trigger

 ▢   Edit the scenario

 ▢   The word 'AUTO' under the scenario's thumbnail must be illuminated for the trigger to run the scenario whenever the value is received

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with a switch
28/08/2015 – version 1