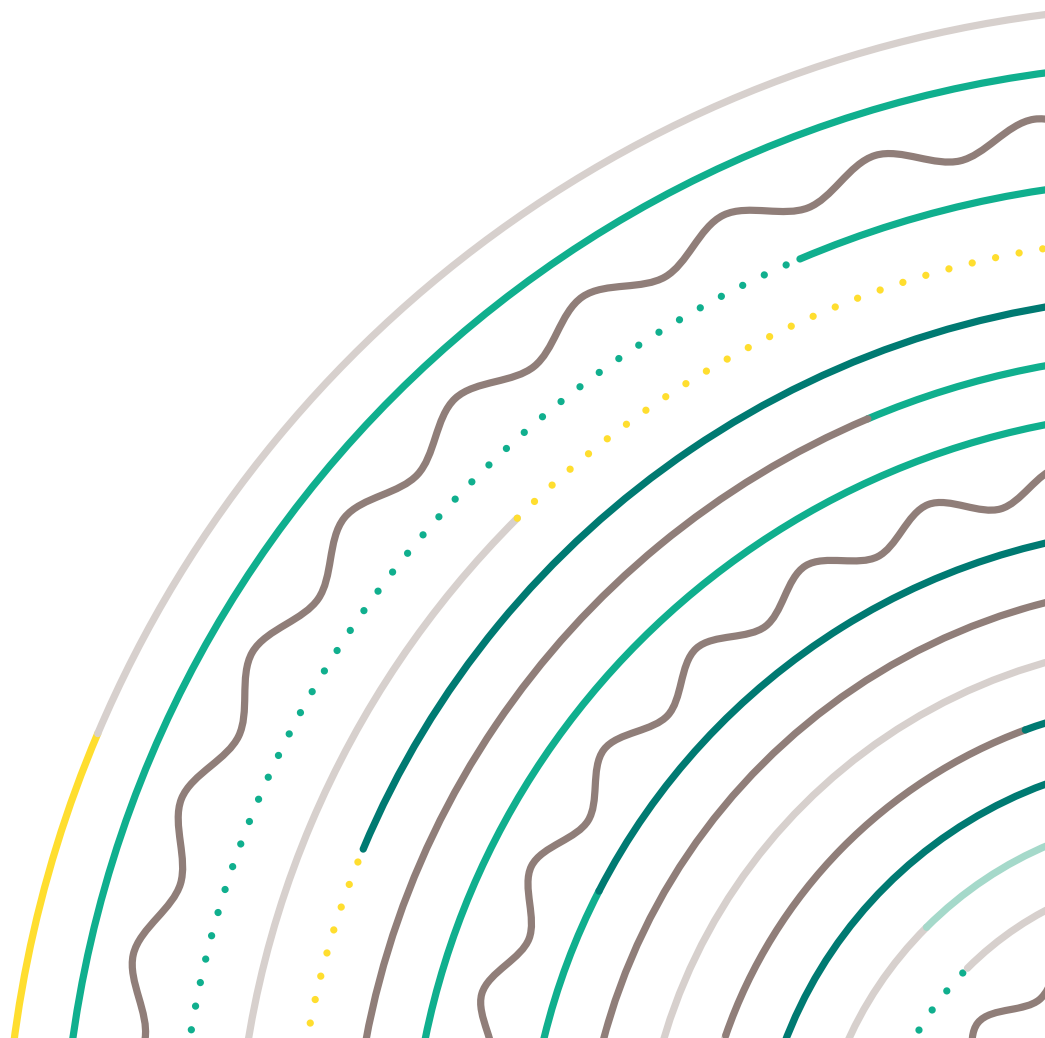


Lifedomus

Integration of KNX devices: Actuation with a switch

31/01/2018
version 1.1



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.

Device integration

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

We will set a trigger on a scenario.

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

The scenario will trigger the required actions.

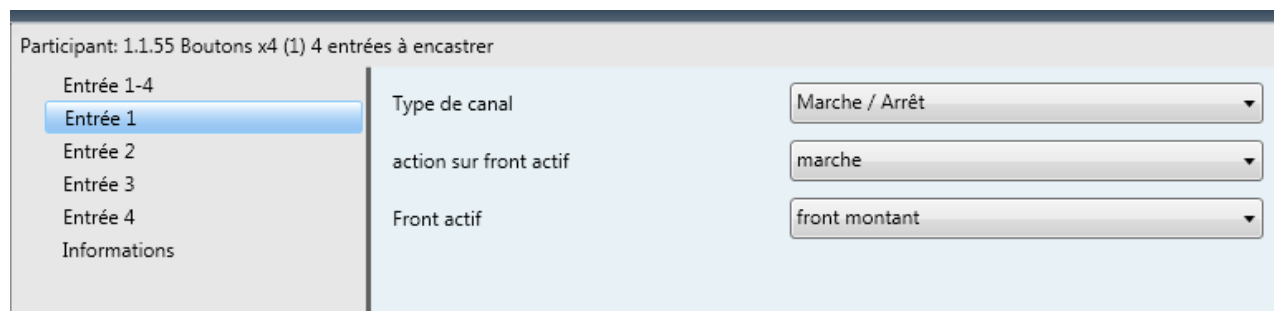
ETS programming:

Create a group address related to the 'T' object of the switch feeding its state back 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).

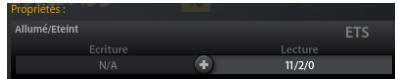
Configuration of the module's input 1:



Module objects:

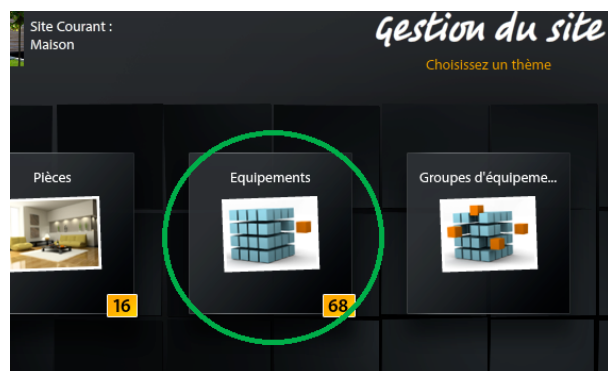
	Nombre	Nom	Fonction d'objet	Descripti...	Adresses de groupe	Longueur	...	R	W	T	U	Type de données	Priori...
1	1	Marche / Arrêt	Entrée 1		11/2/0	1 bit	C	R	-	T	-		Bas
7	7	Inclinaison	Entrée 2			1 bit	C	R	-	T	-		Bas
8	8	Montée / Descen	Entrée 2		12/1/0	1 bit	C	R	-	T	-		Bas
13	13	Inclinaison	Entrée 3			1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

Interfacing group addresses and properties in Lifedomus:

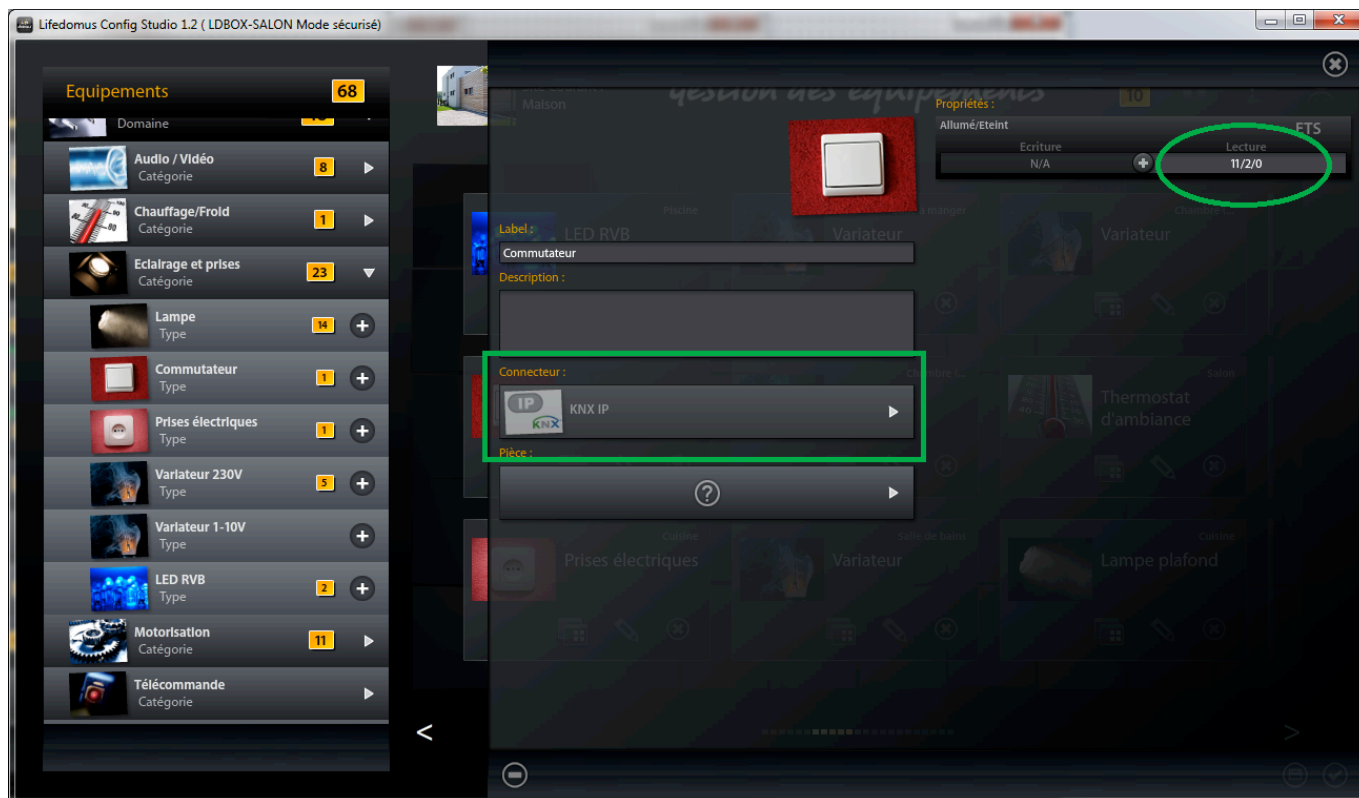
Function		Object	Property
Read value 0 or 1	'I' type object on 1 bit DPT 1.001 (On/Off) for example		

Programming a device:

- Create a 'switch' type device

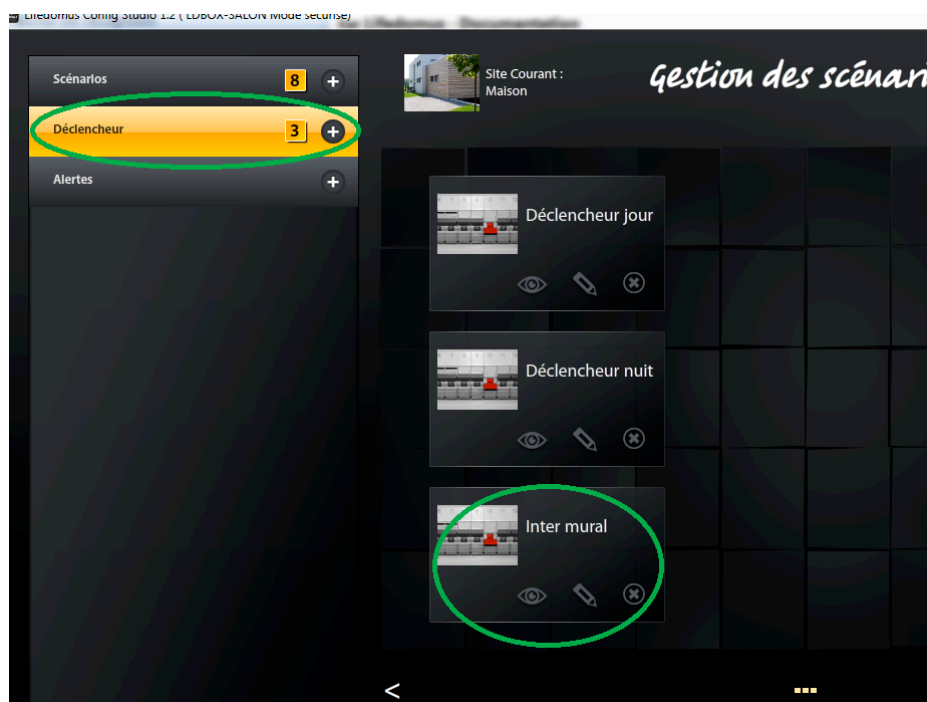
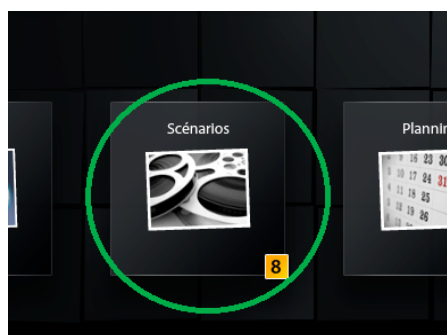


- Configure the property

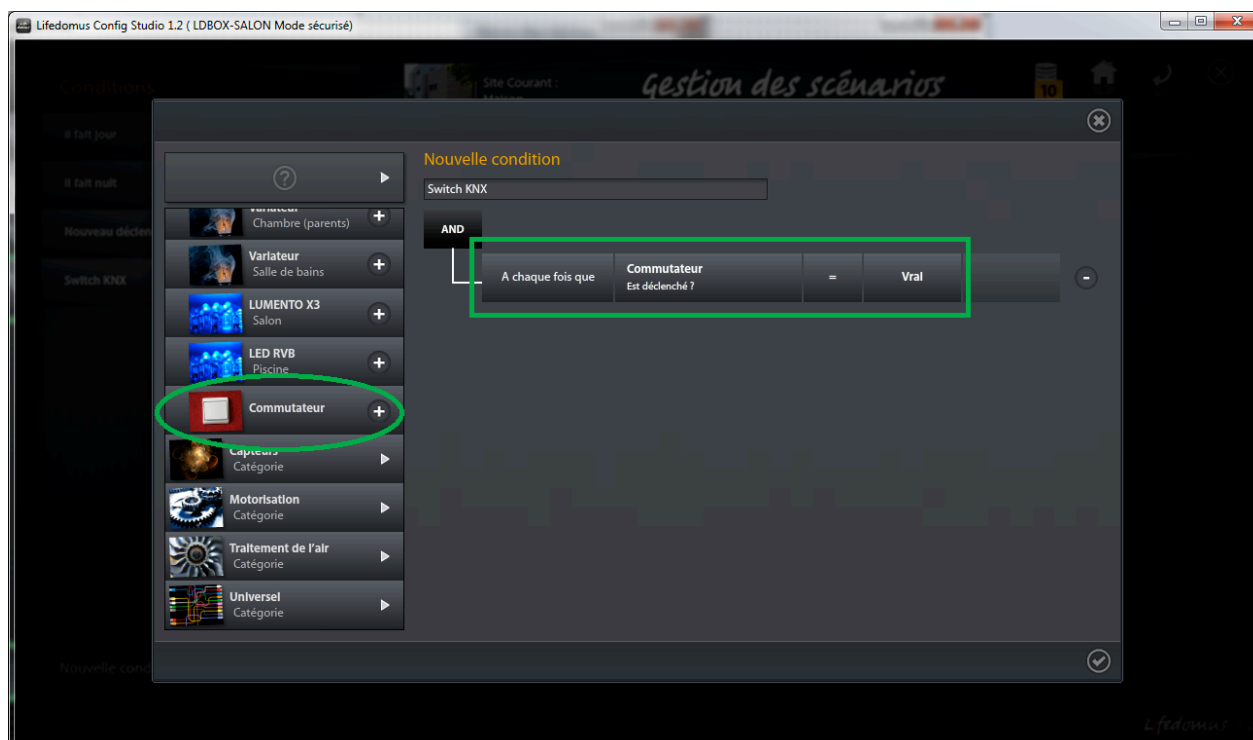


Creating the trigger:

- Create a trigger in the 'scenarios' module



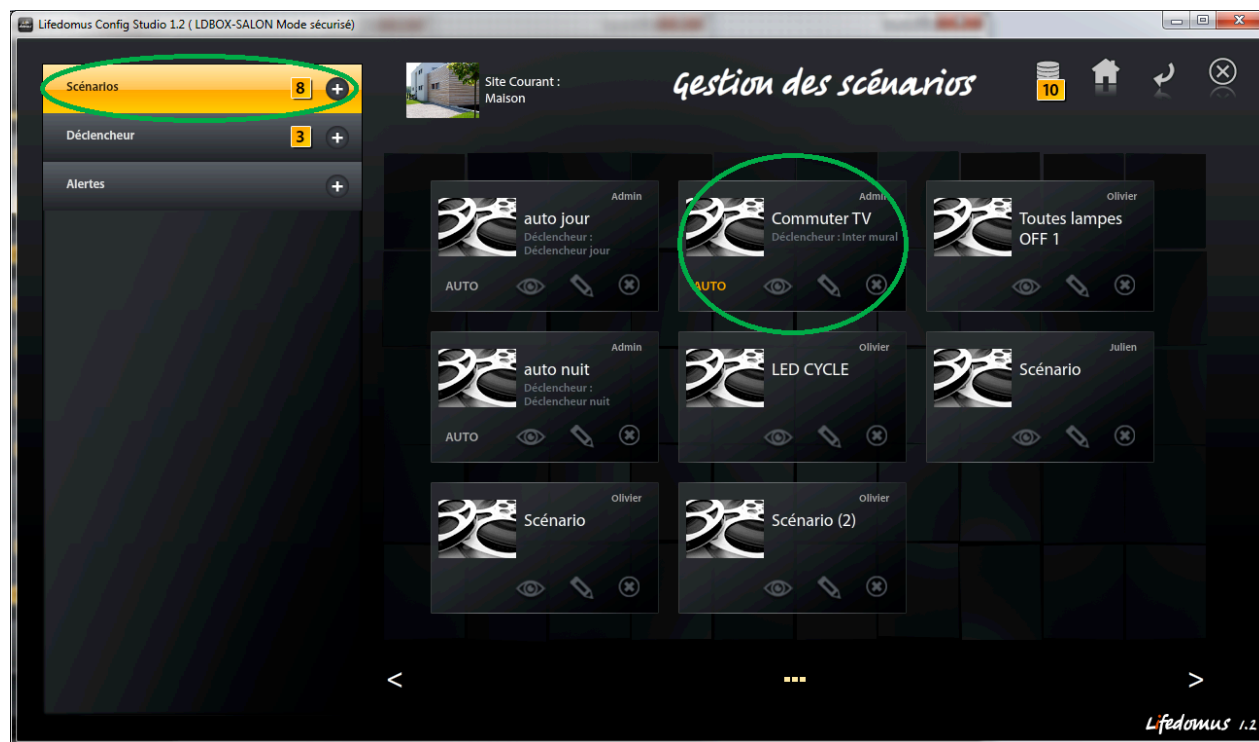
⇒ Add the condition



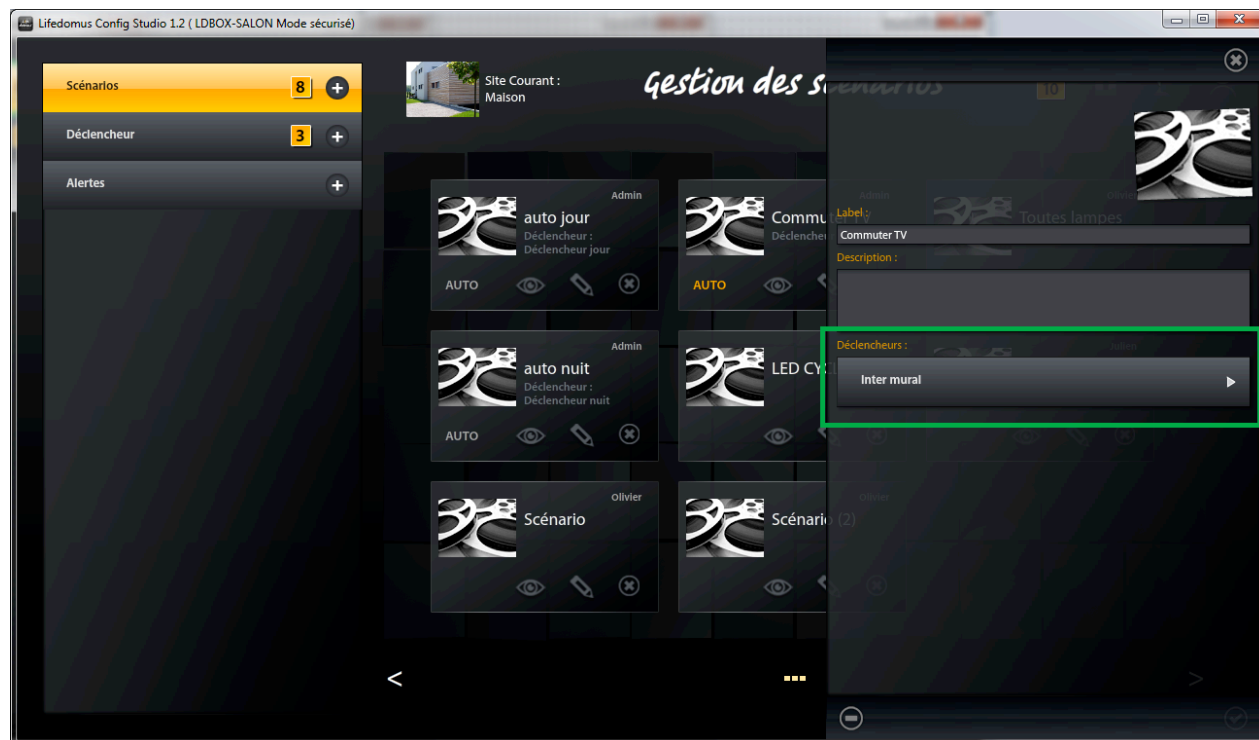
⇒ Select the condition in the trigger



Creating the scenario:



⇒ Connect the scenario and the trigger



⇒ Edit the scenario



⇒ The word 'AUTO' on the scenario's thumbnail must be illuminated for the trigger to run the scenario whenever the value is received.



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