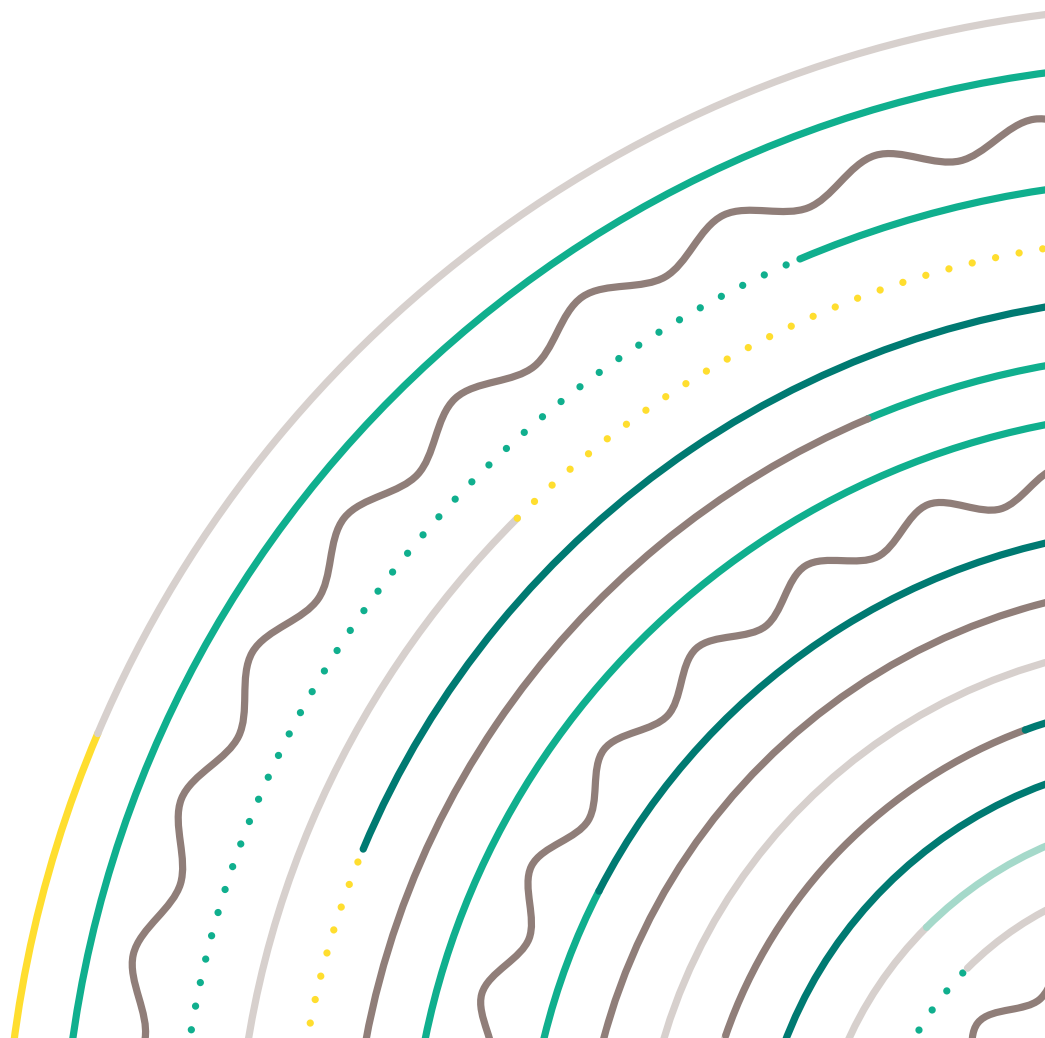


Lifedomus

Integration of KNX devices: Shutters & Blinds

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).

Device integration

Example: management of a TXA224/TXA228 module

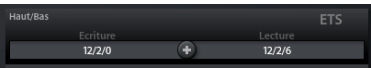
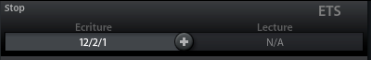
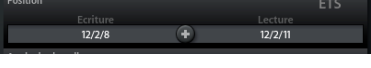


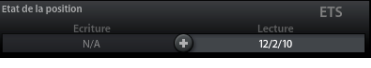
The modules can control shutters and blinds and send the position indication in % and the slats' tilt angle.

As the graphic rendering is based on the state feedbacks on the bus, these modules are popular as they offer a real-life display of the roller shutter's position, thanks to the object 'Position indication in %'.

ETS programming:

	Nombre	Nom	Fonction d'objet	Description	Adress...	Longue...	C	R	W	T	U	Type de données	Prior
0	0	Sortie 1	Montée / Descente		12/2/0	1 bit	C	R	W	-	U	up/down	Bas
	1	Sortie 1	Inclinaison lamelles / Stop		12/2/1	1 bit	C	R	W	-	U	1-bit	Bas
	2	Sortie 1	Forçage			2 bit	C	R	W	-	U		Bas
	3	Sortie 1	Alarme vent			1 bit	C	R	W	-	U		Bas
	4	Sortie 1	Alarme pluie			1 bit	C	R	W	-	U		Bas
5	5	Sortie 1	Scène			1 Byte	C	R	W	-	U		Bas
	7	Sortie 2	Montée / Descente		12/3/0	1 bit	C	R	W	-	U	up/down	Bas
	8	Sortie 2	Inclinaison lamelles / Stop		12/3/1	1 bit	C	R	W	-	U	1-bit	Bas
	9	Sortie 2	Forçage			2 bit	C	R	W	-	U		Bas
	10	Sortie 2	Alarme vent			1 bit	C	R	W	-	U		Bas
53	53	Sortie 8	Alarme pluie			1 bit	C	R	W	-	U		Bas
	54	Sortie 8	Scène			1 Byte	C	R	W	-	U		Bas
	58	Sortie 1	Blocage			1 bit	C	R	W	-	U		Bas
	60	Sortie 1	Position		12/2/8	1 Byte	C	R	W	-	U	percentage (0..100%)	Bas
	61	Sortie 1	Inclinaison		12/2/9	1 Byte	C	R	W	-	U	percentage (0..100%)	Bas
	62	Sortie 1	Indication d'état (1 byte)		12/2/10	1 Byte	C	R	-	T	U		Bas
	63	Sortie 1	Indication position en %		12/2/11	1 Byte	C	R	-	T	U	percentage (0..100%)	Bas
	64	Sortie 1	Indication inclinaison en °		12/2/12	1 Byte	C	R	-	T	U	percentage (0..100%)	Bas
	65	Sortie 1	Indication d'état (1 bit)		12/2/6	1 bit	C	R	-	T	U	up/down	Bas
	66	Sortie 2	Blocage			1 bit	C	R	W	-	U		Bas
	68	Sortie 2	Position		12/3/8	1 Byte	C	R	W	-	U	percentage (0..100%)	Bas
	69	Sortie 2	Inclinaison		12/3/9	1 Byte	C	R	W	-	U	percentage (0..100%)	Bas
	70	Sortie 2	Indication d'état (1 byte)		12/3/10	1 Byte	C	R	-	T	U		Bas

Interfacing group addresses and properties in Lifedomus:

Function		Object	Property
'Raise/Lower'		0 = Write 65 = Read	
'Stop'		1 = Write	
'Position in %'		60 = Write 63 = Read	
'90° angle'		61 = Write 64 = Read	
'180° angle'		61 = Write 64 = Read	
'State (1byte)'	This function sends the roller shutter's position in the following form: Raise/Intermediate/Lower. It will be used if the KNX module does not send a position in %.	62 = Read	

Programming of a roller shutter with state feedback as %:



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