



Application software

Universal interface comfort 8gang Electrical / Mechanical characteristics : see product information

	Order number	Product designation	Application software ref.	TP device RF devices (()
Bis and a set	TYB708D	Universal interface comfort 8gang	STYB708A STYB708B	



Summary

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1. Functional description

The universal interface comfort 8gang has 8 channels that work as inputs or outputs depending on the application or as a combination of both (4 inputs/4 outputs). As a result, the universal interface comfort 8gang can control up to 8 LEDs over its separate outputs or read in up to 8 potential-free push buttons with its inputs and accordingly send telegrams to the KNX bus. The outputs are resistant to short-circuits, protected against overloading and protected against polarity reversal. The connecting of 230V signals to the inputs is not allowed.

Height:

Depth:

Illustration:



Measurements: Width: 44 mm

48 mm

32 mm

A) Programming LED

Operating elements:

B) Programming button

2. Technical Data

IP 20
As per V VDE 0829 Part 230
EIB
-5 °C to +45 °C
-25 °C to +70 °C (storage at temperatures above +45 °C reduces the service life)
Any
None
e.g. install in deep flush-mounted outlet box (\varnothing 60 mm x 60 mm)
24 V DC (+6 V / -4 V)
Typically 150 mW
2 x 5 core screw-type terminal strip
No response
All object values for outputs are deleted
See Comments on Software for reaction by inputs!



Inputs: Quantity: Cable length: Scanning voltage: Outputs: Quantity: Cable length: Output current:

Up to 8 (depends on the loaded software) \leq 10 m 20 V impulses, 2 msec long, cyclically every 60 msec Up to 8 (depends on the loaded software) \leq 10 m 0.8 mA (constant)

Connection diagram:





Universal interface comfort used for 8 x inputs

Note: Only potential-free switches or sensors can be connected



Universal interface comfort used for 4 x inputs and 4 x outputs

Note: Only potential-free switches or sensors can be connected. Pay attention to reference potential for inputs and outputs!



Universal inteface comfort used for 8 x outputs

Comments on hardware: To avoid interfering EMC beams, the circuits for the inputs should not be installed in parallel to mains conducting lines. The connection of 230V signals to the inputs is not permitted.



3. Application

No.	Brief description:	Name:	Version:
1	4 inputs and 4 outputs or 8 outputs	4 inputs 4 outputs, 8 outputs (STYB708A)	0.1
2	8 inputs	8 inputs (STYB708B)	0.1

Executable 1 Number of a Number of a Communicat	from mask version: ddresses (max): ssignments (max): tions objects:	.1			
Number of a Number of a Communical Application	ddresses (max): 2 ssignments (max): 2 tions objects: 1				
Number of a Communica Application	ssignments (max): 2 tions objects: 1	26	Dynamic Table Managen	nent `	Yes 🗷 No 🛙
Communica Application	tions objects:	26	Max. table length 52		52
Eunction: N	configured as "4 inputs, 4 o	utputs":			
Object	Function	Name	1	Type	Flag
4-7	Switching	Output x		1 Bit	CW
Function: S Object	witching / Toggle (for all 4 Inp Function	uts *) Name		Туре	Flag
0-3	Switching	Input x		1 Bit	CWT
4-7	Switching	Output x		1 Bit	CW
0-3 4-7 24 8-11	Switching Switching Dimming	Input x Output x Input x		1 Bit 1 Bit 4 Bit	CWT CW CT
Function' S	hutter control (for all 4 Inputs	*)			
Function. 5		Name		Type	Flag
Object	Function				riag
Object Del 0-3	Function Step operation	Input x		1 Bit	CWT
Object □ 0-3 □ 4-7	Function Step operation Switching	Input x Output x		1 Bit 1 Bit	CWT CW



Function	Name	Туре	Flag		
Switching	Output x	1 Bit	CW		
Value transmitter 1 Byte	Input x	1 Byte	СWТ		
Forced guidance operation (fo	r all 4 Inputs *)				
Function	Name	Туре	Flag		
Forced guidance	Input x	2 Bit	СWТ		
Switching	Output x	1 Bit	CW		
Control (for all 4 Inputs *) Function	Name	Туре	Flag		
Control		1 Byte			
Switching	Output x	1 Bit	CW		
Application configures as "8 outputs":					
n configures as "8 outputs":					
n configures as "8 outputs": Function	Name	Туре	Flag		
1	Switching Switching Value transmitter 1 Byte Forced guidance operation (for Function Forced guidance Switching Control (for all 4 Inputs *) Function Control Switching	Switching Output x I Value transmitter 1 Byte Input x Forced guidance operation (for all 4 Inputs *) Function Function Name Forced guidance Input x Switching Output x Control (for all 4 Inputs *) Function Function Name Control Input x Switching Output x	Switching Output x 1 Bit I Value transmitter 1 Byte Input x 1 Byte Forced guidance operation (for all 4 Inputs *) Function Type Function Name Type Forced guidance Input x 2 Bit Switching Output x 1 Bit Control (for all 4 Inputs *) Function Type Function Name Type Control (for all 4 Inputs *) I Bit Switching Output x 1 Bit Control Input x 1 Byte Switching Output x 1 Byte		

separately selected for each input. Thus object structure) will be changed.



Application	: 2.	8 inputs (STYB7	08B)			
Executable as of mask version: 1.1						
Number of a	addresses (max): 26	3	Dynamic Table Management	t Ye	s Œ No O	
Number of	assignments (max): 26	5	Max. Table length	52		
Communica	ations Objects: 18	3				
Function: 1	Function: No function (for all 8 Inputs *)					
Object	Object Function Name Type Flag					
No switching, dimming, step operation, move operation, light scene or value transmitter objects!						
Function:	Switching / Toggle (for all 8 Inpu	ıts *)				
Object	Function	Name		Туре	Flag	
□+ 0-7	Switching	Input x		1 Bit	СWТ	
Function:	Dimming (for all 8 Inputs *)					
Object	Function	Name		Туре	Flag	
□₊ 0-7	Switching	Input x	1	1 Bit	CWT	
□≓ 8-15	Dimming	Input x	4	4 Bit	СТ	
Function: S	Shutter control (for all 8 Inputs *)		-		
Object	Function	Name		Туре	Flag	
□₊ 0-7	Step operation	Input x	1	1 Bit	CWT	
□≓ 8-15	Move operation	Input x	1	1 Bit	СТ	
Function: \	Value transmitter / Light scene e (Button function: "Call light sce	extension	emory function" for all 8 Inputs *)		
Object	Function	Name		Туре	Flag	
⊔ ∓ 8-15	Light scene extension	Input x		1 Byte	CT	
Function: \	Value transmitter / Lighting scer (Button function: "Value transm	ie extension itter 1 Byte" for al	l 8 Inputs *)			
Object	Function	Name		Туре	Flag	
□+ 8-15	Value transmitter 1 Byte	Input x		1 Byte	СWТ	
Function: F	Forced guidance operation (for	all 8 Inputs *)				
Object	Function	Name		Туре	Flag	
□+ 0-7	Forced guidance operation	Input x		2 Bit	СWТ	
Function: (Control (for all 8 Inputs *)	.	·			
Object	Function	Name		Туре	Flag	
□+ 0-7	Control	Input x		1 Byte	СWТ	
Other Obje	ct: (Only for "two" operating lev	els!)				
Object	Function	Name		Туре	Flag	
□+ 16	Switch over	Operating leve	el la	1 Bit	СWТ	
The functions Switching, Dimming, Shutter control, Value transmitter, Forced guidance operation and Control can be separately selected for each input. Thus, the names of the communications objects and the object table (dynamic object structure) will be changed.						



Description of objects

Obje ⊒₊∣	ects for applicatio 4-7 or 0-7	n "4 Inputs 4 Outputs Switching	s , 8 Outputs" only: 1 Bit object to control outputs (connected LEDs)		
Obje	Objects for application "8 Inputs" only:				
⊒⊶	16	Switch over	1 Bit object to switch between two operating levels		
Obie	ects:				
,	0-3 or 0-7	Switching	1 Bit object to send switch telegrams (ON, OFF)		
	8-11 or 8-15	Dimming	4 Bit object to change relative brightness between 0 and 100%		
□⊷	0-3 or 0-7	Step operation	1 Bit object for the step operation of a shutter to rotate the lamella		
⊒≓	8-11 or 8-15	Move operation	1 Bit object for the move operation of a shutter to close or open completely		
□≓	8-11 or 8-15	Light scene extension	1 Byte object for use as a light scene extension		
⊡⊷∣	8-11 or 8-15	Value transmitter 1 Byte	1 Byte object for the value transmitter application (0-255)		
⊡⊷∣	0-3 or 0-7	Forced guidance operation	2 Bit object for the forced guidance operation (priority) of switching channels		
머	0-3 or 0-7	Control	1 Bit object for sending out control telegrams (Play, Stop, Rewind, Forward, Stop, Record)		

Functional scope

General

- Free assignment of the functions Switching / Toggle, Dimming, Shutter control, Value transmitter / Light scene extension, Forced guidance operation and Control to a maximum of 8 inputs (depends on the programmed application)
- Maximal 8 Outputs to display status or operation via LED (depends on the programmed application)
- 2 operating levels parameterisable (only for the application "8 Inputs STYB708B")
- Freely selectable 4 digit switch over code to change operating levels

Function: Switching / Toggle

- Adjustable command with rising or falling edge (ON, OFF, TOGGLE, no function)
- Cyclic transmission is possible

Function: Dimming

- Possibility to parameterise one or two button operation
- Adjustable time between dimming and switching and adjustable dimming speed
- Possibility to send repeat telegram and stop telegrams for automatic dim function

Function: Shutter

- Button function (UP, DOWN), i.e. the function of an input and the time between move and step operation can be set
- Adjustable lamella adjustment time (time in which the move command can be completed before releasing the button at the input)

Functions: Value transmitter / Light scene extension

- Parameterisable button function, i.e. the function of an input, 1 Byte Value transmitter or call up light scenes with/without memory function
- Possibility to change value using long "button pressure"

• Function: Forced guidance operation

- Adjustable command for rising and falling edge (see Description of Function for forced guidance operation)

• Function: Control

- Adjustable response or command for rising or falling edge (see Description of Function on Control)

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4. Functional schematics



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5. Description of functions





Description of Functions

Manual switch over between two operating levels (only with the "8 Inputs STYB708B" application)

The universal interface comfort 8gang can be switched between two operating levels with a "3 button operation" (inputs 1+5+8 closed) and a freely selectable switching code. The parameter "Switch over to operating level" must be set to "manual" or "by object and manual" for onsite adjustment (switch code).

Switching between operating levels can also additionally or exclusively occur via Object 16. In operating level 1, the functions Switching, Dimming, Shutter control, Value transmitter / Light scene extension,

Forced guidance operation or Control can be assigned to any input. In operating level 2, inputs 1, 3, 5 and 7 or inputs 2, 4, 6 and 8 is assigned to one function from the functions for the inputs for operating level 1.

Operating level 1:

Operating level 2:

One function per input from the following: Switcing, Dimming, Shutter control, Value transmitter / Light scene extension, Forced guidance operation, Control

- Inputs 1, 3, 5 and 7c'; 4 Inputs with the same function
- Inputs 2, 4, 6 and 8c'; 4 Inputs with the same function
- Function can be selected from the operating level 1 functions

Switch over between the two operating levels occurs as a result of a 3 button operation (inputs 1+5+8 closed) for approximately 3 sec and a parameterisable reversal code. The following illustration depicts manual switching from operating level 1 to 2. The reversed direction can be carried out accordingly.





Description of Function

Function: Control

The Control communications object is encoded as follows:

Command	Binary	Hexadecimal	Decimal
Stop	00000000	0	0
Pause	00000010	2	2
Record	00000100	4	4
Play	00001000	8	8
Forwards	00001001	9	9
Rewind	00001010	А	10

Function: Forced guidance operation

The switching channel for a switch actuator can be forced into a switching position independent of the switching object by the 2 Bit forced guidance operation object.

The importance of the 2 Bit telegram can be seen in the following status table:

Bit 1	Bit 0	Forced guidance operation	Actuator status
0	0	OFF	Value of the switching object
0	1	OFF	Value of the switching object
1	0	ON	OFF
1	1	ON	ON

Here, the 1 Bit value for the forced guidance operations object enables the forced guidance operation and Bit 0 defines the forced guidance switching status. If the forced guidance operation (Bit 1 = 0) is inactive, then Bit 0 has no importance and the switching object controls the switching channel.



6. Parameters

Parameters		
Description:	Values:	Comments:
🗁 General		
Application (1)	4 inputs, 4 outputs 8 outputs	Defines the use of the application.
Operating levels (2)	one two	Defines whether two operating levels can be set up.
Dinput 1	n an	
Function	No function Switching / Toggle Dimming Shutter control Value transmitter / Light scene extension Forced guidance Control	Choice of functions for individual inputs.
Input 1 parameterised with fund	tion "Switching / Toggle"	
Command at rising edge	No function	No telegram is triggered.
	ON	An ON telegram is triggered.
	OFF	An OFF telegram is triggered.
	TOGGLE	The internally saved switching state is toggled (reversed). If the saved status is ON (OFF), then an OFF (ON) telegram is triggered.
Command at falling edge	No function	No telegram is triggered.
	ON	An ON telegram is triggered.
	OFF	An OFF telegram is triggered.
	TOGGLE	The internally saved switching state is toggled (reversed). If the saved status is ON (OFF), then an OFF (ON) telegram is triggered.
Cyclic transmission	No cyclical sending	Cyclical transmission is inactive.
	Transmission on ON Transmission on OFF Transmission on ON and OFF	Cyclical transmission is only active after an ON, OFF or an ON and OFF telegram.
Cyclic transmission, base (1255) x 5 sec	1255; 1	Defines the basis for the cyclic transm. time. Cyclical transm. time = Base · 5 sec ·x Factor
Cyclic transmission, factor (1255)	1255; 1	Defines the basis for the cyclic transm. time. Cyclical transm. time = Base \cdot 5 sec \cdot x Factor
Cyclic transmission started via the switch object?	YES NO	Cyclical transmission can also be started via the switching object.
Cyclic transmission interrupted via the switch object?	YES NO	Cyclical transmission can also be terminated via the switch object. (Only possible with "Transm. at ON" or "Transm. at OFF").



Input 1 parameterised for "Dimming" function					
Function of the input	Operation with two inputs: darker (OFF)	With short activation of the input, an OFF telegram is triggered, a dimming telegram (darker) is triggered with longer activation.			
	Operation with two inputs: brighter (ON)	With short activation of the input, an ON telegram is triggered, a dimming telegram (brighter) is triggered with longer activation.			
	Operation with one input: brighter/darker (TOG)	The internally saved switching state is switched with brief button activation. When the saved status is ON (OFF), then an OFF (ON) telegram is triggered. With longer button activation, a "darker" telegram is sent after a "brighter" telegram and vice versa.			
Time between switching and dimming, base	130 msec 260 msec 520 msec	Defines the time basis up to long-term operation (Dimming).			
	1 sec	Time = Base x Factor			
Time between switching and dimming, factor (2127)	2127; 3	Defines the time factor up to long-term operation (Dimming).			
		Preliminary setting: 130 msec x 3 = 390msec			
Dimming brighter by	100 % 6 % 50 % 3 % 25 % 1,5 %	Maximum brighter dimming of x% with a dimming telegram. (relative dimming increment)			
NO.11 10. WE IN 19	12,5 %				
Dimming darker by	100 % 6 % 50 % 3 % 25 % 1,5 % 12,5 %	Maximum darker dimming of x% with a dimming telegram. (relative dimming increment)			
Telegram repetition?	YES NO	Defines whether the dimming telegram should be cyclically repeated with a long activation of the input.			
Time between two telegrams	200 ms. 750 msec 300 msec 1 sec 400 msec 1.5 sec 500 msec 2 sec	Time between two telegrams when telegram repetition is set. A new dimming telegram is triggered after this time elapses.			
Send stop telegram?	YES NO	A stop telegram or no telegram is sent when activation of the input is completed.			
Input 1 parameterised for "Shut	ter control" function				
Function of the input	UP Preliminary setting: buttons 1, 3, 5, 7	Upon brief activation of the button, a STEP telegram (UP) is triggered; a MOVE telegram (up) is triggered upon long activation of the button.			
	DOWN Preliminary setting: buttons 2, 4, 6, 8	Upon brief activation of the button, a STEP telegram (DOWN) is triggered; a MOVE telegram (down) is triggered upon long activation of the button.			



Time between step and move operation, base Time between step and move operation, factor (0255)	8 ms 130 ms 2.1 s 33s 0 255; 46	Defines the time base up to a move (long- term) operation (T1, see figure below). Time = Base x Factor Defines the time base up to a move (long- term) operation (T1, see figure below). Preliminary setting : 8 ms x 46 = 368 msec
Time for lamella adjustment, base	8 ms 130 ms 2.1 s 33s	Time during which a MOVE telegram can be terminated by releasing the button (closer) at the input (T2, see figure below). Time = Base x Factor
Time for lamella adjustment, factor (0255)	0 255; 20	Time during which a MOVE telegram can be terminated by releasing the button (closer) at the input (T2, see figure below). Preliminary setting: 8 ms x 20 = 160 msec Push T1 = Time between 3 tep and Move A STEP is sent and the time T1 starts after the pressing (closer) or releasing (opener) of the button at the input. No further telegram is sent if the button is released (closer) or pushed (opener) within T1. This STEP is used to stop continuous movement of a shutter or blind. If the button at the input is pressed for longer than T1 (closer) or remained inactivated (opener), then a MOVE is sent automatically after T1 is completed and time T2 starts. If the button is released again within T2 (closer) or is pressed (opener), then a STEP telegram is sent. This function is used to adjust the lamellas in shutters. T2 should correspond to the time for a 180° rotation of the lamellas.



Taste 1: parameterised for "Va	lue transmitter" function			
Function of the input	Value transmitter 1 Byte Call light scene without memory function Call light scene with memory function	Selection for the value to be set for the value y transmitter function.		
Value (0255)	0255; 0	Setting for the value to be sent for 1 byte value transmitter		
Light scene number (18)	18; 1 Setting for the light scene to be sent for calling light scene with/without memory function			
Variation by means of a long signal	disabled	No adjustment possible with long button pressure.		
	enabled	If the button remains pressed for at least 5 seconds, then the actual value is cyclically increased or decreased and sent by the parameterised increment (see below) (Time between two telegrams). After releasing the button, the last sent value is saved. After a repeated long button pressure, the direction of the value change changes (see Description of functions).		
Time between two telegrams	0.5 sec; 1 sec ; 1.5 sec; 2 sec	Time between two telegrams for value change.		
Step size (110)	110; 1	Increments by which the set value is increased or decreased with long button pressure and parameterised 1 Byte value transmitter.		
Input 1 parameterised for "For	ced guidance operation" function			
Command at rising edge	No function Forced guidance OFF Forced guidance ON, actuator ON Forced guidance ON, act. OFF TOGGLE: Forced guidance ON, actuator ON / Forced guidance OFF TOGGLE: Forced guidance ON, actuator ON / Forced guid. OFF	Defines the 2 Bit forced guidance operation command that is sent upon activation of a button (closer).		
Command at falling edge	No function Forced guidance OFF Forced guidance ON, actuator ON Forced guidance ON, act. OFF TOGGLE: Forced guidance ON, actuator ON / Forced guidance OFF TOGGLE: Forced guidance ON, actuator ON / Forced guid. OFF	Defines the 2 Bit forced guidance operation command that is sent upon activation of a button (closer).		
Input 1 parameterised for the "	'Control" function	1		
Transmission at rising edge ?	YES NO	Defines whether a control command should be sent upon activation of a button (closer) on the input.		



Command at of rising edge	Stop Pause Record Play Forwards Rewind	Defines the command that will be sent when pressing a button (closer) on the input.	
Transmission at falling edge ?	YES NO	Defines whether a control command is to be sent when releasing a button (closer) on the input.	
Command at falling edge	Stop Pause	Defines the command that is to be sent when releasing a button (closer) on the input.	
Dinputs 2 - 4 und Inputs 5 -	8 ⁽³⁾		
See Input 1			
🔁 Output 1 (4)			
Function of the status LED	LED always OFF LED always ON Status indication Inverted status indication	Defines the function of the LED connected to the output.	
LED flashes at status indication ?	YES NO	Defines whether the LED connected to the output is to blink as a status indication.	
Outputs 2 - 4 and Outputs	5-8 ⁽⁵⁾		
See Output 1			
Operating Level (6)	I		
Universal interface in second operating level without any function ?	YES NO	It is possible to block the universal interface comfort in operating level 2, i.e. all inputs have no function in this case (YES).	
Function of input 1, 3, 5 and 7 like input (18)	18, 1	Defines the function of inputs 1, 3, 5, 7 for operating level 2. The function can be selected from the functions for operating level 1 inputs.	
Function of input 2, 4, 6 and 8 like input (18)	18, 2	Defines the function of inputs 2, 4, 6, 8 for operating level 2. The function can be selected from the functions for operating level 1 inputs.	
Switch over behaviour	No time behaviour	Switching from operating level 2 to operating level 1 does not occur automatically.	
Time interval, base	Switch over to op. level 2 for a time interval 300 msec, 500 msec 1 sec , 5 sec 1 min, 5 min, 60 min	Switching from operating level 2 to operating level occurs via a time function (period of time). Period of time after which a switch from operating level 2 to operating level 1 occurs.	
		Time = Base x Factor	



Time interval factor (3 255)	3 255 3		Period of time after which a switch from
The meridi, laster (5200)			operating level 2 to operating level 1 occurs.
			Preliminary setting: 1 sec x 3 = 3sec
Switch over to operating level	manually		Switching operating levels occurs manually with a "3 button operation" and switch over code.
	by object		Switching operating levels occurs via the operating level object (No. 16).
	by object and	manual	Switching operating levels can occur manually and with the operating level object.
Values for operating levels	0 = operating level 1; 1 = operating level 2 1 = operating level 1; 0 = operating level 2		Defines the value of the operating levels for an operating level switch over via the operating level object.
Switch over code for seco	ond operating le	evel (7)	
1 st code input	Input 1	Input 5	Defines the first activation of the switch over
	Input 2 Input 3 Input 4	Input 6 Input 7 Input 8	code. The switch over code is used to switch operating levels.
2 nd code input	Input 1 Input 2 Input 3 Input 4	Input 5 Input 6 Input 7 Input 8	Defines the second activation of the switch over code. The switch over code is used to switch operating levels.
3 rd code input	Input 1 Input 2 Input 3 Input 4	Input 5 Input 6 Input 7 Input 8	Defines the third activation of the switch over code. The switch over code is used to switch operating levels.
4 th code input	Input 1 Input 2	Input 5 Input 6	Defines the fourth activation of the switch over code. The switch over code is used to

 ⁽¹⁾ Parameter is only available for application "4 Inputs 4 Outputs, 8 Outputs 704001"!
 ⁽²⁾ Parameter is only available for application "8 Inputs 704101"!
 ⁽³⁾ Inputs 5 – 8 only exist for application "8 Inputs 704101"!
 ⁽⁴⁾ Outputs only exist for application "4 Inputs 4 Outputs, 8 Outputs 704001"!
 ⁽⁵⁾ Outputs 5 – 8 only exist for application "4 Inputs 4 Outputs, 8 Outputs 704001"! Outputs"!

⁽⁶⁾ The parameter card "Operating level" only exists for application "8 Inputs 704101"!
 ⁽⁷⁾ The parameter card " Switch over code for second operating level " only exists for application "8 Inputs 704101"!



Comments on Software

General

Parameter editing must be set to "Full Access" (FA) in order to edit all the parameters.

Dimming function

If an LED output is to be used as a switching status display, then the corresponding objects (output or switch) must be connected via the same group address. The connected dim actuator must send back its status to the switching object or the output object in order for the status LED to function properly (set Transmit Flag on actuator). With one level operation, only the switching object is corrected. The dimming object (dimming direction) is not corrected so when extensions are used (2 or more dimmers dim one lamp), the dimming direction of the lamp does not always change over after repeated button pressure.

The objects for the buttons or inputs that "belong together" must have the same group address for two level operations. In this case, the buttons should preferably be connected to input n.

Shutter control function

A "complete" shutter function (UP/DOWN) is only supported by two level operation. The respective short-term objects (Step) and long-term objects (Move) for the buttons "belonging together" must have the same group address. In this case, the buttons should preferably be connected to input n.

Inputs

A multiple evaluation of the inputs is only possible for the functions "Switching / Toggle", "Forced guidance operation", "Light scene extension without memory function" and "Control". With these functions, the switches or buttons connected to Input n can simultaneously be activated; in addition, a further function ("Dimming", Shutter", Value transmitter 1 Byte" or "Light scene extension with memory function") can also be addressed. However, if two inputs are occupied with one of the aforementioned functions and are addressed simultaneously, then this will be evaluated to be an undefined button pressure and the universal interface will not respond. (See Comments on restoration of bus voltage, below)

Information on application "8 Inputs 704101":

If a second operating level is parameterised (it does not need to be active?), then only one button can be activated at one time!

Outputs

The status object values of the outputs are deleted by a reset or after a download.

Bus voltage failure

Value transmitter function: When the value setting is changed by a long button pressure, the newly set value is only retained in the RAM, i.e. these value are replaced by the pre-set values that were parameterised by the ETS after a voltage failure or a bus reset.

If operation level 2 is set, it will be reset to operating level after a bus voltage failure.

Restoration of bus voltage

With the "Switching / Toggle", "Forced guidance operation", "Light scene extension without memeory function" and "Control" functions, telegrams are sent as though they had just been sent to this position after the restoration of the bus voltage with <u>closed</u> inputs (closer = activated / opener = not activated).

With the "Dimming", "Shutter" und "Value transmitter / Light scene extension with memeory function" functions, a telegram is sent, as previously described, if only one input is closed that has been configured for this function. If two or more inputs are closed with one of these functions, then the universal interface does not show any reaction for these inputs when the bus voltage is restored.

Note on "8 Inputs 704101" application:

If a second operating level is parameterised, then inputs with the functions "Switching / Toggle", "Forced guidance operation", "Light scene extension without save function" and "Control" will only be evaluated when the bus voltage is restored if only one input is closed. If several inputs with these functions are closed, then the universal interface will not display any function here.

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