

# APPLICATION PROGRAM INFORMATION

2/4/6CH Curtain Controller

M/W02.10.1, M/W04.10.1, M/W06.10.1

KNX/EIB-BUS

Document Version: 1.0, Date: \_\_\_\_\_

This document describes the M/W02.10.1, M/W04.10.1, M/W06.10.1-functions with the KNX-product-application:\_\_\_\_\_

Compiled by (english name):			
HDL-Position:			
Location:	Date:	_ Signature:	
Approved by (english name): HDL-Position:			-

Location:\_\_\_\_\_Date:\_\_\_\_\_Signature:\_\_\_\_\_



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- A. General description
- B. Function overview flowchart
- C. Function description
- D. Communication objects

### Α.

The curtain controller is used to operate the shutter or blind. This manual contains the programming of this device.



# Β.

2/4/6CH curtain controller's setting is same. Here, take 2CH curtain controller as an example.





C.

1.0_General						
1	■ 1. 1. 3 M/W02. 10. 1					
Cha	nnel A					
SCHa	Priority on reci	eiving weather alarm from bus	1.Wind>2.Rain>3.Frost			
	Wind operati	on for safety	Disable			
	Rain operation	on for safety	Disable			
	Frost operation	on for safety	Disable			
	Manual opera	ion(device itself buttons)	Enable			
	Cycle send ge	neral telegram(165535s,0-invalid)	0			
			Cancel Default Info Help			
No.	ETS-Parameter	Range (default)	Description			
1	Priority on receiving weather	-(1.Wind>2.Rain>3.Frost)	Set the parameter about priority of the			
	alarm from bus	-1.Wind>2.Frost>3.Rain	weather alarm. If receives more than 1			
		-1.Rain>2.Wind>3.Frost	parameter at the same time, the highest			
		-1.Rain>2.Frost>3.Wind -1.Frost>2.Wind>3.Rain	priority weather signal is valid			
		-1.Frost>2.Rain>3.Wind				
2	Wind operation for safety	-Enable	Enable/Disable wind alarm received			
2		-(Disable)				
3	->Weak wind alarm received	-Enable -(Disable)	Enable/Disable weak wind alarm received			
4	->Slight wind alarm received	-Enable	Enable/Disable slight wind glarm received			
		-(Disable)				
5	->Strong wind alarm received	-Enable	Enable/Disable strong wind alarm			
		-(Disable)	received			
6	->Monitoring wind period(12000s,0-invalid)	(0)12000s	Set the monitoring wind period, 0 is invalid			
7	Rain operation for safety	-Enable	Enable/Disable rain alarm received			
•		-(Disable)				
8	->Monitoring rain	(0)12000s	Set the monitoring rain period, 0 is invalid			
	period(12000s,0-invalid)					
9	Frost operation for safety	-Enable	Enable/Disable frost alarm received			
10	->Monitoring frost	-(Disable) (0)12000s	Set the monitoring frost period, 0 is invalid			
10	period(12000s,0-invalid)	(0)120003	oet the momenting post period, o is invalid			
11		-(Enable)	Enable/Disable manual function			
TT	Manual operation(device	(Lindbic)				
11	itself buttons)	Disable				
11			Set the time to send the telegram data cyclically, if you set 0, will disable the			



2.0_Channel A-B			
■ 1.1.3 M/₩02.10.1			X
General		Channel A	
Channel A Channel B			~
		shutter	
	Total moving time from top to bottom(2600s) 30		
	moving(5010000ms)	500 🗢	
	Start up time(0255ms)		
	Deceleration time(0255ms)		
	Alignment after arriving on upper or lower position(50010000ms)	2000	
	Limit travelling range D	Disable	
	Move to position via bus(0%100%)	Disable	
	Status response N	No	
	Status on bus voltage failure	no reaction	
	Reaction after bus voltage recovery	no reaction	
N	Show the function page==>>	No	~
	OK	Cancel Default Info Help	
No. ETS-Parameter	Range (default)	Description	
13 Selecting operation	mode -(shutter) -blinds	Select the operation mode the module	for
2.1_shutter	-billius		
0.1.6 M/W02.10.1	- Million Million		3
	D General Post	Channel A	
General Channel A	<b>—</b>		
Channel B	Selecting operation mode	shutter	
	Total moving time from top to bottom(2600s)	30	
	Delay time when change the direction on moving(5010000ms)	500	
	Start up time(0255ms)	0	
	Deceleration time(0255ms)	0	
	Alignment after arriving on upper or lower 2000 position(50010000ms)		
Limit travelling range Disable			100
		Disable	
		Disable Disable	100
	Limit travelling range		
	Limit travelling range Move to position via bus(0%100%)	Disable	
	Limit travelling range Move to position via bus(0%100%) Status response	Disable No	
	Limit travelling range Move to position via bus(0%100%) Status response Status on bus voltage failure Reaction after bus voltage recovery	Disable No no reaction	
	Limit travelling range Move to position via bus(0%100%) Status response Status on bus voltage failure Reaction after bus voltage recovery Show the function page==>>	Disable No no reaction No No	
	Limit travelling range Move to position via bus(0%100%) Status response Status on bus voltage failure Reaction after bus voltage recovery	Disable No No no reaction	
	Limit travelling range Move to position via bus(0%100%) Status response Status on bus voltage failure Reaction after bus voltage recovery Show the function page==>>	Disable No no reaction No No	



	button(2600s)		to button
15	Delay moving time when change the direction on moving(5010000ms)	50(500)10000ms	Select the delay moving time
16	Start up time	(0)255ms	Set the start up time of the drive
17	Deceleration time(0255ms)	(0)255ms	Set the deceleration time of the drive
18	Alignment after arriving on upper or lower position(50010000ms)	500(2000)10000ms	Set the time when the shutter/blinds continue to move up or down after arriving upper or lower position
19	Limit travelling range	-Enable -(Disable)	Enable/Disable the range of shutter/blinds travel
20	->Upper limit (0%100%)	(0)100%	Set the value of upper limit
21	->Lower limit (0%100%)	0(100)%(255)	Set the value of lower limit
22	Move the position via bus (0%100%)	-Enable -(Disable)	Enable/disable move the position
23	Status response	-Enable -(Disable)	Enable/disable status response
24	->Send position (0%100%)	-Enable -(Disable)	Enable/disable shutter/blinds position communication object
25	->Send limit position reached(1-reached)	-Enable -(Disable)	Enable/disable limit position status communication
26	->Send status of automatic control(1-activated)	-Enable -(Disable)	Enable/disable automatic control status communication object
27	->Send status of forced operation alarm(1-alarm)	-Enable -(Disable)	Enable/ disable forced operation status communication object
28	Status on bus voltage failure	-(no reaction) -up -down -stop	Set the status when the bus voltage is failure up: The Shutter/Blinds will move to up after bus voltage failure. down: The Shutter/Blinds will move to down after bus voltage failure. stop: The Shutter/Blinds will stop after bus voltage failure.
29	Reaction after bus voltage recovery	-(no reaction) -up -down -stop -set position	Set the reaction when the bus voltage is recovery up: The Shutter/Blinds will move to up after bus voltage recovery. down: The Shutter/Blinds will move to down after bus voltage recovery. stop: The Shutter/Blinds will stop after bus voltage recovery. set position: set position or louver value is displayed.



30	->Output position value	(0)100%	Set the range of the position value
31	Show the function page==>>	-(No)	Enable/disable the function
		-Yes	page
	Function:		
32	Position function control	-Enable	Enable/disable the position
		-(Disable)	function
33	Safety function control	-Enable	Enable/disable the safety
		-(Disable)	function
34	Auto 1 function for sun	-Enable	Enable/disable the auto 1
		-(Disable)	function for sun
35	-> Auto 2 function for	-Enable	Enable/disable the auto 2
	heating/cooling	-(Disable)	function for sun
36	Scene function control	-Enable	Enable/disable scene function
		-(Disable)	for sun
2.1.1_	Position		

0.1.6	5 M/W02.10.1	and has a	
Gener	- 22 C	A:1	position
A:fund A:pos	ction Preset p	osition(1-4)	Enable 💌
A:safe A:auto	o1 ->Positio	n1 for moving[0%(top)100%(bottom)]	0%(0) •
A:auto A:sce Chanr	nePositio	n2 for moving[0%(top)100%(bottom)]	0%(0) 🔻
Criari	->Positic	n3 for moving[0%(top)100%(bottom)]	0%(0) •
	Positio	n4 for moving[0%(top)100%(bottom)]	0%(0) •
	Set posi	tion[1 bit]	Enable 🔻
	Move to	position[1 bit]	Enable 🔹
		OK. Car	ncel Default Info Help
37	Preset position(1-4)	-Enable	Enable/disable the preset
		-(Disable)	function
38	->Position 1 for moving[0%(top)100%(buttor )]	(0)100	Set the parameter for position 1 moving
39	->Position 2 for moving[0%(top)100%(buttor )]	(0)100	Set the parameter for position 2 moving
40	->Position 3 for moving[0%(top)100%(buttor )]	(0)100	Set the parameter for position 3 moving
41	->Position 4 for moving[0%(top)100%(buttor )]	(0)100	Set the parameter for position 4 moving



42	Set position(1 bit)	-Enable -(Disable)	Enable/disable the position setting
43	Move to position(1bit)	-Enable -(Disable)	Enable/disable the position moving
2.1.2_Sa	ifety		moving
0.1.6	M/W02.10.1		×
Gener	2.46	A:sa	fety
Chann A:func A:posil	tion	eak wind alarm is used	No
A:safe A:auto	The	ght wind alarm is used	No
A:auto A:scer	The	rong wind alarm is used	No
Chann	al P	ion on wind alarm(the wind signal come from	no reaction
		on on rain alarm(the rain signal come from bus)	no reaction
	Reac	on on frost alarm(the frost signal come from bus)	no reaction
	Force	l operation 1(2 bit)	Disable 💌
	Force	d operation 2(1 bit)	Disable 🔹
	Force	d operation 3(1 bit)	Disable 🔹
	Read	on on exit forced operation	no reaction
		OK Cance	I Default Info Help
44	The weak wind alarm is used	-(No)	If select "Yes", the
	The weak while diathing used	-Yes	communication object is valid
45	The slight wind alarm is used	-(No)	If select "Yes", the
40	The studies wind along is use	-Yes	communication object is valid
46	The strong wind alarm is use	l -(No) -Yes	If select "Yes", the communication object is valid
47	Reaction on wind alarm(the	-(No reaction)	Set the status for the wind
	wind signal come from bus)	-Up	alarm
		-Down	no reaction: the
		-Stop	Shutter/Blinds is on reaction
			when receive wind(rain/frost)
			signal. up: the Shutter/Blinds move
			to up when receive
			wind(rain/frost) signal.
			down: the shutter/blinds
			move to down when receive
			wind(rain/frost) signal.
			stop: the Shutter/Blinds stop when receive wind(rain/frost)
			signal.
48	Reaction on rain alarm(the	-(No reaction)	Set the status for the rain
	rain signal come from bus)	-Up	alarm
	,	-Down	no reaction: the
		-Stop	Shutter/Blinds is on reaction



49	Reaction on frost alarm(the frost signal come from bus)	-(No reaction) -Up -Down -Stop	when receive wind(rain/frost)signal.up: the Shutter/Blinds moveto up when receivewind(rain/frost) signal.down: the shutter/blindsmove to down when receivewind(rain/frost) signal.stop: the Shutter/Blinds stopwhen receive wind(rain/frost)signal.Set the status for the frostalarmno reaction: theShutter/Blinds is on reactionwhen receive wind(rain/frost)signal.up: the Shutter/Blinds moveto up when receivewind(rain/frost) signal.down: the shutter/blindsmove to down when receivewind(rain/frost) signal.down: the shutter/blindsmove to down when receivewind(rain/frost) signal.stop: the Shutter/Blinds stopwhen receive wind(rain/frost) signal.stop: the Shutter/Blinds stopwhen receive wind(rain/frost) signal.stop: the Shutter/Blinds stopwhen receive wind(rain/frost) signal.
50	Forced operation1(2 bit)	-Enable -(Disable)	Enable/disable forced operation 1
51	Forced operation2(1 bit)	-Enable -(Disable)	Enable/disable forced operation 2
52	-> Output position value	(0)100%	Set the value for output position
53	Forced operation3(1 bit)	-Enable -(Disable)	Enable/disable forced operation 3
54	-> Output position value	(0)100%	Set the value for output position



55	Reaction on exit forced operation	-(No reaction) -Up -Down -Stop -last position	Set the status when exit forced operation no reaction: the Shutter/Blinds is no reaction when exit forced operation. up: the Shutter/Blinds move to up when exit forced operation. down: the Shutter/Blinds move to down when exit forced operation. stop: the Shutter/Blinds stop when exit forced operation. Last position: the Shutter/Blinds move to last position when exit forced operation.
2.1.3_au	ito 1		
-	118214	General	
-	ito 1 M/W02.10.1	снони	
	M/W02.10.1	General	A:auto1
0.1.6	M/W02.10.1		A:auto1
Gener Chanr A:func A:posi	M/W02.10.1 al nel A stion	Toggling to remote control	
© 0.1.6 Gener Chanr A:func A:posi A:safe A:auto	al hel A stion sty of		A:auto1
Gener Chanr A:func A:safe	al al tion tion ty 51 52	Toggling to remote control	A:auto1
Gener Chanr A:func A:safe A:safe A:auto A:auto	al al tion tion ty 51 52 ne	Toggling to remote control Moving for sun='0' Moving for sun='1'	A:auto1
Chann A:funcs A:safe A:sate A:sate A:sate	al al tion tion ty 51 52 ne	Toggling to remote control Moving for sun="0" Moving for sun="1" Delay time sun="0"(03600s)	A:auto1  enable  no reaction  0
Chann A:funcs A:safe A:sate A:sate A:sate	al al tion tion ty 51 52 ne	Toggling to remote control Moving for sun='0' Moving for sun='1'	A:auto1
Chann A:funcs A:safe A:sate A:sate A:sate	al el A tion tion ty 52 ne	Toggling to remote control Moving for sun='0' Moving for sun='1' Delay time sun='0'(03600s) Delay time sun='1'(03600s)	A:auto1
Chann A:funcs A:safe A:sate A:sate A:sate	al el A tion tion ty 52 ne	Toggling to remote control Moving for sun="0" Moving for sun="1" Delay time sun="0"(03600s)	A:auto1  enable  no reaction  0
Chann A:funcs A:safe A:sate A:sate A:sate	al el A tion tion ty 52 ne	Toggling to remote control Moving for sun='0' Moving for sun='1' Delay time sun='0'(03600s) Delay time sun='1'(03600s)	A:auto1
Chann A:funcs A:safe A:sate A:sate A:sate	al el A tion tion ty 52 ne	Toggling to remote control Moving for sun='0' Moving for sun='1' Delay time sun='0'(03600s) Delay time sun='1'(03600s) OK OK	A:auto1
Chanr A:func A:safe A:safe A:saute A:sute Chanr	al nel A stion sty	Toggling to remote control Moving for sun='0' Moving for sun='1' Delay time sun='0'(03600s) Delay time sun='1'(03600s)	A:auto1



			enable/disable: Enable/ disable the communication object
57	Moving for sun= '0'	-(No reaction) -Up -Down -Stop -Position 1 -Position 2 -Position 3 -Position 4 -Receive percentage value(8bits)	Set the status when send the telegram '0' (no sun) No reaction: when send the telegram '0', the module will no reaction Up: when send the telegram '0', the module will move up Down: when send the telegram '0', the module will move down Stop: when send the telegram '0', the module will stop Position1 to 4: when send the telegram '0', the module will move to preset position Receive percentage value(8bits): when send the telegram '0', the position will be according to the percentage value
58	Moving for sun= '1'	-(No reaction) -Up -Down -Stop -Position 1 -Position 2 -Position 3 -Position 4 -Receive percentage value(8bits)	Set the status when send the telegram '1'(sun) No reaction: when send the telegram '1', the module will no reaction Up: when send the telegram 1', the module will move up Down: when send the telegram '1', the module will move down Stop: when send the telegram '1', the module will stop Position1 to 4: when send the telegram '1', the module will move to preset position Receive percentage value(8bits): when send the telegram '1', the position will be according to the percentage value
59	Delay time sun= '0'(03600s)	(0)3600	Set the delay time when receive the telegram=0
60	Delay time sun= '1'(03600s)	(0)3600	Set the delay time when receive the telegram=1
2.1.4_au	uto 2		



0.1.6	M/W02.10.1	eneral Kain alarm	
Genera		A:a	nuto2
Chann A:func A:posit	tion Delay(0.	3600s) check when leaving "switching to	0
A:safel A:auto	ty Delay(0.	3600s) check when arriving "switching to	0
A:auto A:scen	ne Position	on heating='1' and sun='0'	no reaction
Chann		on heating='1' and sun='1'	no reaction 🔹
	Position	on cooling='1' and sun='0'	no reaction
	Position	on cooling='1' and sun='1'	no reaction 💌
		ОК Салс	el <u>D</u> efault <u>Info</u> <u>H</u> elp
61	Delay(03600s) check when leaving "switching to auto 2"	(0)3600	Set the delay time for leaving
62	Delay(03600s) check when arriving "switching to auto 1	(0)3600	Set the delay time for arriving
63	Position on heating= "1" and	-(No reaction)	Set the position when receive
	sun="0"	-Up -Down	the telegram "1" or "0"(no sun)
		-Stop	No reaction: when it is
		-Position 1	heating and no sun, the
		-Position 2	module will no reaction
		-Position 3	Up: when it is heating and no
		-Position 4	sun, the module will move up Down: when it is heating and
			no sun, the module will move
			down
			Stop: when it is heating and no sun, the module will stop
			Position1 to 4: when it is
			heating and no sun, the
			module will move to preset
			position
64	Position on heating= "1" and	-(No reaction)	Set the position when receive
	sun="1"	-Up	the telegram "1"
		-Down	No reaction: when it is beating and suppy the
		-Stop -Position 1	heating and sunny, the module will no reaction
		-Position 2	Up: when it is heating and no
		-Position 3	sunny, the module will move
		-Position 4	up
			Down: when it is heating and
			sunny, the module will move



65       Position on cooling= "1" and sun="0"       -(No reaction)         -Up       -Down         -Stop       -Position 1         -Position 3       -Position 3         -Position 4       -Position 4	positionSet the position when receivethe telegram "1" or "0"(nosun)No reaction: when it iscooling and no sun, themodule will no reactionUp: when it is cooling and nosun, the module will move upDown: when it is cooling andno sun, the module will movedown
66 Position on cooling= "1" and -(No reaction)	Stop: when it is cooling and no sun, the module will stop Position1 to 4: when it is cooling and no sun, the module will move to preset position
sun="1" -Up -Down -Stop -Position 1 -Position 2 -Position 3 -Position 4	Set the position when receive the telegram "1" No reaction: when it is cooling and sunny, the module will no reaction Up: when it is cooling and no sunny, the module will move up Down: when it is cooling and sunny, the module will move down Stop: when it is cool and sunny, the module will stop Position1 to 4: when it is cooling and sunny, the module will move to preset position



0.1.	6 M/W02.10.1		<u>EUELO:</u> 0	an aann terea	
Gene				A:scene	
A:fun		Scene a	ssignment(1)	No	assignment
A:po: A:saf	ety		t position value	Centre	)%(255)
A:aut A:aut				Constant of Consta	
A:see Chan	ane Inel B		ssignment(2)	_	assignment E
		>>Outpu	t position value	100	)%(255)
		Scene a	ssignment(3)	No	assignment
		>>Outpu	t position value	100	)%(255)
		Scene a	ssignment(4)	No	assignment
		>>Outpu	t position value	100	)%(255)
		Scene a	ssignment(5)	No	assignment
				Centre	
		>>Uutpu	t position value	[10	)%(255)
		Scene a	ssignment(6)	No	assignment
-1 [		>>Outpu	t position value	100	)%(255) 🗸 🗸
			ОК	Cancel	Default Info Help
.l		_			
7	Coope accignment/1	<u>\</u>	(No accimment)		Cot the narameter for seens
57	Scene assignment(1	-)	(No assignment) Scene No.1Scene	No.2	Set the parameter for scene assignment
58	->Output position v	alue	0%(100%)(255)	-	Set the value for output
					position
59	Scene assignment(2	<u>!</u> )	(No assignment) Scene No.1Scene	No 2	Set the parameter for scene assignment
0	->Output position v	alue	0%(100%)(255)	110.2	Set the value for output
					position
'1	Scene assignment(3	3)	(No assignment) Scene No.1Scene	No 2	Set the parameter for scene
2	->Output position v	alue	0%(100%)(255)	INO.2	assignment Set the value for output
-			e,,,,(_ee,,)(_ee,)		position
'3	Scene assignment(4	+)	(No assignment)		Set the parameter for scene
/4	->Output position v	aluo	Scene No.1Scene 0%(100%)(255)	No.2	assignment Set the value for output
+		aiue	0/0(10070)(235)		position
′5	Scene assignment(5	5)	(No assignment)		Set the parameter for scene
10		-1	Scene No.1Scene	No.2	assignment
6	->Output position v	alue	0%(100%)(255)		Set the value for output position
7	Scene assignment(6	5)	(No assignment)		Set the parameter for scene
			Scene No.1Scene	No.2	assignment
'8	->Output position v	alue	0%(100%)(255)		Set the value for output position
'9	Scene assignment(7	7)	(No assignment)		Set the parameter for scene
	5 1		Scene No.1Scene	No.2	assignment
80	->Output position v	alue	0%(100%)(255)		Set the value for output
31	Scene assignment(8	8)	(No assignment)		position Set the parameter for scene
		''	Scene No.1Scene	No.2	assignment
32	->Output position v	alue	0%(100%)(255)		Set the value for output



			position
83	Scene assignment(9)	(No assignment)	Set the parameter for scene
		Scene No.1Scene No.2	assignment
84	->Output position value	0%(100%)(255)	Set the value for output
			position
85	Scene assignment(10)	(No assignment)	Set the parameter for scene
		Scene No.1Scene No.2	assignment
86	->Output position value	0%(100%)(255)	Set the value for output
			position

2.2_blii					
= 1. 1	.3 M/W02.10.1				
Genera	1000			Channel A	
Channe	el B	Selecting operation	mode	blinds	
		Total moving time fr	om top to bottom(2600s)	30	
	1	Delay time when ch	ange the direction on	500	
		moving(5010000n		0	¥
		Start up time(0255			<b>▼</b>
		Deceleration time(0		0	÷
		Alignment after arriv position(5001000)	ring on upper or lower Oms)	2000	•
	Ĩ	Limit travelling range	e	Disable	<b>v</b>
		Total of louvre adju	stment(1002000ms)	1000	*
		Maximum number o	f louvre adjustment(150)	10	\$
	,	Move to position via	a bus(0%100%)	Disable	~
		Status response		No	¥
		Status on bus volta	ae failure	no reaction	× .
lo.	ETS-Parameter		Range (default)		Description
57	Total moving time fro	om top to	2(30)600s		
0	button(2600s)				Set the total moving time
8	Delay dina a sub-an-ab-a		50 (500) 10000		from top to button
	Delay time when cha	nge the	50(500)10000	ms	-
5	direction on	-	50(500)10000	ms	from top to button
-		s)	50(500)10000 (0)255ms	ms	from top to button
9	direction on moving(5010000ms	s) ms)		ms	from top to button Set the delay moving time
9 0	direction on moving(5010000ms Start up time(0255 Deceleration time(0 Alignment after arrivi	s) ms) .255ms)	(0)255ms		from top to button Set the delay moving time Set the start up time Set the deceleration time Set the time when the
9 0	direction on moving(5010000ms Start up time(0255 Deceleration time(0 Alignment after arrivi upper or lower	s) ms) .255ms) ing on	(0)255ms (0)255ms		from top to button Set the delay moving time Set the start up time Set the deceleration time Set the time when the shutter/blinds continue to
9 0	direction on moving(5010000ms Start up time(0255 Deceleration time(0 Alignment after arrivi	s) ms) .255ms) ing on	(0)255ms (0)255ms		from top to button Set the delay moving time Set the start up time Set the deceleration time Set the time when the shutter/blinds continue to move up or down after
9 0	direction on moving(5010000ms Start up time(0255 Deceleration time(0 Alignment after arrivi upper or lower	s) ms) .255ms) ing on	(0)255ms (0)255ms		from top to button Set the delay moving time Set the start up time Set the deceleration time Set the time when the shutter/blinds continue to
9 0 1	direction on moving(5010000ms Start up time(0255 Deceleration time(0 Alignment after arrivi upper or lower	s) ms) .255ms) ing on ms)	(0)255ms (0)255ms		from top to button Set the delay moving time Set the start up time Set the deceleration time Set the time when the shutter/blinds continue to move up or down after arriving upper or lower position Enable/Disable the range of
9 0 1 2	direction on moving(5010000ms Start up time(0255) Deceleration time(0 Alignment after arrivi upper or lower position(50010000) Limit travelling range	s) ms) 255ms) ing on ms)	(0)255ms (0)255ms 500(2000)100 -Enable -(Disable)		from top to button Set the delay moving time Set the start up time Set the deceleration time Set the time when the shutter/blinds continue to move up or down after arriving upper or lower position Enable/Disable the range of shutter/blinds travel
9 0 1 2 3	direction on moving(5010000ms Start up time(0255) Deceleration time(0 Alignment after arrivi upper or lower position(50010000n Limit travelling range ->Upper limit (0%10	s) 255ms) ing on ms)	(0)255ms (0)255ms 500(2000)100 -Enable -(Disable) (0)100%		from top to button Set the delay moving time Set the start up time Set the deceleration time Set the time when the shutter/blinds continue to move up or down after arriving upper or lower position Enable/Disable the range of shutter/blinds travel Set the value of upper limit
9 00 11 12 12 13 14	direction on moving(5010000ms Start up time(0255n Deceleration time(0 Alignment after arrivi upper or lower position(50010000n Limit travelling range ->Upper limit (0%10 ->Lower limit (0%10	s) 255ms) ing on ms)	(0)255ms (0)255ms 500(2000)100 -Enable -(Disable) (0)100% 0(100)%(255)	00ms	from top to button Set the delay moving time Set the start up time Set the deceleration time Set the time when the shutter/blinds continue to move up or down after arriving upper or lower position Enable/Disable the range of shutter/blinds travel Set the value of upper limit Set the value of lower limit
9 00 11 12 12 13 14	direction on moving(5010000ms Start up time(0255) Deceleration time(0 Alignment after arrivi upper or lower position(50010000) Limit travelling range ->Upper limit (0%10 ->Lower limit (0%10 Total of louver	s) ms) .255ms) ing on ms) 00%)	(0)255ms (0)255ms 500(2000)100 -Enable -(Disable) (0)100%	00ms	from top to button Set the delay moving time Set the start up time Set the deceleration time Set the deceleration time Set the time when the shutter/blinds continue to move up or down after arriving upper or lower position Enable/Disable the range of shutter/blinds travel Set the value of upper limit Set the value of lower limit Set the louver adjustment
39 90 90 91 91 92 93 94 95 96	direction on moving(5010000ms Start up time(0255n Deceleration time(0 Alignment after arrivi upper or lower position(50010000n Limit travelling range ->Upper limit (0%10 ->Lower limit (0%10	s) ms) 255ms) ing on ms) 00%) 00%)	(0)255ms (0)255ms 500(2000)100 -Enable -(Disable) (0)100% 0(100)%(255)	00ms	from top to button Set the delay moving time Set the start up time Set the deceleration time Set the time when the shutter/blinds continue to move up or down after arriving upper or lower position Enable/Disable the range of shutter/blinds travel Set the value of upper limit Set the value of lower limit



			adjustment
97	Move the position via bus	-Enable	Enable/disable move the
	(0%100%)	-(Disable)	position
98	Status response	-Enable	Enable/disable status
		-(Disable)	response
99	->Send position (0%100%)	-Enable	Enable/disable shutter/blinds
		-(Disable)	position communication
			object
100	->Send limit position	-Enable	Enable/disable limit position
	reached(1-reached)	-(Disable)	status communication
101	->Send status of automatic	-Enable	Enable/disable automatic
	control(1-activated)	-(Disable)	control status communication
			object
102	->Send status of forced	-Enable	Enable/ disable forced
	operation alarm(1-alarm)	-(Disable)	operation status
			communication object
103	Status on bus voltage failure	-(no reaction)	Set the status when the bus
		-up	voltage is failure
		-down	up: The Shutter/Blinds will
		-stop	move to up after bus voltage
			failure.
			down: The Shutter/Blinds will
			move to down after bus
			voltage failure.
			stop: The Shutter/Blinds will
			stop after bus voltage failure.
104	Reaction after bus voltage	-(no reaction)	Set the reaction when the bus
	recovery	-up	voltage is recovery
		-down	up: The Shutter/Blinds will
		-stop	move to up after bus voltage
		-set position	recovery.
			down: The Shutter/Blinds will
			move to down after bus
			voltage recovery. stop: The Shutter/Blinds will
			-
			stop after bus voltage recovery.
			set position: set position or
			louver value is displayed.
105	->Output position value	(0%)100%	Set the range of the position
105		(078)10078	value
106	->Output louver value	-(invalid)	Set the range of the louver
100		-0100%	value
107	Show the function page==>>	-(No)	Enable/disable the function
107	Show the function page>>	-Yes	page
	Function:	-165	puge
108	Position function control	-Enable	Enable/disable the position
100		-(Disable)	function
109	Safety function control	-Enable	Enable/disable the safety
103		-(Disable)	function
110	Auto 1 function for sun	-Enable	Enable/disable the auto 1
110		-(Disable)	function for sun
		-Enable	Enable/disable the auto 2
111	-> Auto 7 tunction tor		
111	-> Auto 2 function for		
111	-> Auto 2 function for heating/cooling Scene function control	-(Disable) -Enable	function for sun Enable/disable scene function



2.2.1_Pc	osition				
0.1.2	2 M/W04.10.1		april Nor B	-	X.
Gene	10 March 10		A:po	sition	
Chani A:funi A:pos	ction	et posi	ition[1-4]	Enable	•
A:safe A:auti	ety	sition1	for moving[0%(top)100%(bottom)]	0%(0)	•
A:auti A:sce	02	sition1	for louvre[0%(opened)100%(closed)]	invalid	•
Chanı Chanı		sition2	for moving[0%(top)100%(bottom)]	0%(0)	•
Chan		sition2	for louvre[0%(opened)100%(closed)]	invalid	•
	->Po	sition3	for moving[0%(top)100%(bottom)]	0%(0)	•
	->Po	sition3	for louvre[0%(opened)100%(closed)]	invalid	•]
	Pos	sition4	for moving[0%(top)100%(bottom)]	0%(0)	•
	Pos	sition4	for louvre[0%(opened)100%(closed)]	invalid	•
	Set p	position	n(1 bit)	Disable	a
	Move	e to po	osition(1 bit)	Disable	•
			OK Canc	el 📄	Default Info Help
					4
113	Preset position(1-4)		-Enable		Enable/disable the preset
114	->Position 1 for		-(Disable) (0)100		function setting Set the parameter for position
114	moving[0%(top)100%(butt	on	(0)100		1 moving
115	)] -> Position 1 for		-(invalid)		Set the parameter for louver's
115	louver[0%(opened)100%(cl	lo	-0100		position 1
116	sed)] ->Position 2 for		(0)100		Set the parameter for position
110	moving[0%(top)100%(butt	on	(0)100		2 moving
117	)] -> Position 2 for		-(invalid)		Set the parameter for louver's
11/	louver[0%(opened)100%(c	lo	-0100		position 2
118	sed)] ->Position 3 for		(0)100		Set the parameter for position
	moving[0%(top)100%(butt	on	(0)		3 moving
119	)] -> Position 3 for		-(invalid)		Set the parameter for louver's
-	louver[0%(opened)100%(c	lo	-0100		position 3
120	sed)] ->Position 4 for		(0)100		Set the parameter for position
	moving[0%(top)100%(butt	on			4 moving
121	)] -> Position 4 for		-(invalid)		Set the parameter for louver's
	louver[0%(opened)100%(c	lo	-0100		position 4
122	sed)] Set position(1 bit)		-Enable		Enable/disable the position
100			-(Disable)		communication object
123	Move to position(1bit)		-Enable		Enable/disable move to



			-(Disable)		position communication
222.6-	.f				object
2.2.2_Sa	itety				
0.1.2 N	M/W04.10.1		part Most Bo	-	X
General Channel			A:saf	ety	
A:functio A:positio	on .	The weak wi	nd alarm is used	No	
A:safety A:auto1		The slight wi	nd alarm is used	No	•
A:auto2 A:scene		The strong w	ind alarm is used	No	*
Channe Channe	IC	Reaction on ous)	wind alarm(the wind signal come from	no reacti	on 💌
Channe		Reaction on	rain alarm(the rain signal come from bus)	no reacti	on 🔹
	F	Reaction on	frost alarm(the frost signal come from bus)	no reacti	on 🔻
	F	Forced opera	ation 1(2 bit)	Disable	•
	F	Forced opera	ation 2(1 bit)	Disable	•
		Forced opera	ation 3(1 bit)	Disable	•
		Reaction on	exit forced operation	no reacti	on 🔹
-					
			OK Cancel	D	efault Info Help
4		10000		10	
124	The weak wind alarm is	used	-(No)		If select "Yes", the
425	The all the state of a large in the		-Yes		communication object is valid
125	The slight wind alarm is	usea	-(No) -Yes		If select "Yes", the communication object is valid
126	The strong wind alarm is	used	-(No)		If select "Yes", the
			-Yes		communication object is valid
127	Reaction on wind alarm(		-(No reaction)		Set the status for the wind
	wind signal come from b	us)	-Up		alarm
			-Down -Stop		no reaction: the Shutter/Blinds is on reaction
			-Stop -Only set louver position		when receive wind(rain/frost)
			only set louver position		signal.
					up: the Shutter/Blinds move
					to up when receive
					wind(rain/frost) signal.
					down: the shutter/blinds
					move to down when receive
					wind(rain/frost) signal. stop: the Shutter/Blinds stop
					when receive wind(rain/frost)
					signal.
					only set louver position: can
					set the shutter/blinds
					adjustment louver position.
128	->Output louver value		(0)100%		Set the range of louver value
120	Reaction on rain alarm(t	he	-(No reaction)		Set the status for the rain
	rain signal come from bu		-Up		alarm



		-Down -Stop -Only set louver position	no reaction: the Shutter/Blinds is on reaction when receive wind(rain/frost) signal. up: the Shutter/Blinds move to up when receive wind(rain/frost) signal. down: the shutter/blinds move to down when receive wind(rain/frost) signal. stop: the Shutter/Blinds stop when receive wind(rain/frost) signal. only set louver position: can set the shutter/blinds adjustment louver position.
130 131	->Output louver value Reaction on frost alarm(the frost signal come from bus)	(0)100% -(No reaction) -Up -Down -Stop	Set the range of louver value Set the status for the frost alarm no reaction: the Shutter/Blinds is on reaction
		-Only set louver position	when receive wind(rain/frost) signal. up: the Shutter/Blinds move to up when receive wind(rain/frost) signal. down: the shutter/blinds move to down when receive wind(rain/frost) signal. stop: the Shutter/Blinds stop when receive wind(rain/frost) signal. only set louver position: can set the shutter/blinds adjustment louver position.
132 133	->Output louver value Forced operation1(2 bit)	(0)100% -Enable	Set the range of louver value Enable/disable forced
134	Forced operation2(1 bit)	-(Disable) -Enable	operation 1 Enable/disable forced
135	->Output position value	-(Disable) (0)100%	operation 2 Set the value for output
136	Forced operation3(1 bit)	-Enable -(Disable)	position Enable/disable forced operation 3
137	->Output position value	(0)100%	Set the value for output position
138	Reaction on exit forced operation	-(No reaction) -Up -Down -Stop -last position	Set the status when exit forced operation no reaction: the Shutter/Blinds is no reaction when exit forced operation. up: the Shutter/Blinds move to up when exit forced operation.



			down: the Shutter/Blinds move to down when exit forced operation. stop: the Shutter/Blinds stop when exit forced operation. Last position: the Shutter/Blinds move to last position when exit forced operation.
2.2.3_au	to 1		
	M/W04.10.1		
Genera Channe	el A la companya de	A:a	uto1
A:funct A:posit A:safet	ion Togglir	ig to remote control	enable 🔻
A:auto A:auto	Moving	) for sun='0'	no reaction 💌
A:scen Channe	e Moving el B	) for sun='1'	no reaction 💌
Channe Channe	el D	ime sun='0'[03600s]	0
	Delay	ime sun='1'[03600s]	0
		OK Cance	el Default Info Help
139	Toggling to remote control	-(Enable) -Communication object enable/disable	Set the remote control Enable: Enable the remote control Communication object enable/disable: Enable/ disable the communication object
140	Moving for sun= '0'	-(No reaction) -Up -Down -Stop -Position 1 -Position 2 -Position 3 -Position 4 -Receive percentage value(	Set the status when send the telegram '0'(no sun) No reaction: when send the telegram '0', the module will no reaction Up: when send the telegram '0', the module will move up Down: when send the telegram '0', the module will move down Stop: when send the telegram '0', the module will stop



			Position1 to 4: when send the telegram '0', the module will move to preset position Receive percentage value(8bits): when send the telegram '0', the position will be according to the percentage value
141	Moving for sun= '1'	-(No reaction) -Up -Down -Stop -Position 1 -Position 2 -Position 3 -Position 4 -Receive percentage value(8bits)	Set the status when send the telegram '1'(sun) No reaction: when send the telegram '1', the module will no reaction Up: when send the telegram 1', the module will move up Down: when send the telegram '1', the module will move down Stop: when send the telegram '1', the module will stop Position1 to 4: when send the telegram '1', the module will move to preset position Receive percentage value(8bits): when send the telegram '1', the position will be according to the percentage value
142	Delay time sun= '0'(03600s)	(0)3600	Set the delay time when receive the telegram=0
143	Delay time sun= '1'(03600s)	(0)3600	Set the delay time when receive the telegram=1



2.2.4_au	ito 2		
0.1.2	M/W04.10.1	Maria Maria	X
Gener		A:a	uto2
Chann A:fund	el A	3600s) check when leaving "switching to	
A:posi A:safe	tion auto2"		0
A:auto	1 auto1"	3600s) check when arriving "switching to	0
A:scer Chann	ne Position o	n heating='1' and sun='0'	no reaction 🔹
Chann	el C Position o	n heating='1' and sun='1'	no reaction
Chann		n cooling='1' and sun='0'	no reaction
	Position o	n cooling='1' and sun='1'	no reaction
		OK Cance	el Default Info Help
144	Delay(03600s) check when	(0)3600	Set the delay time for leaving
	leaving "switching to auto 2"		
145	Delay(03600s) check when arriving "switching to auto 1	(0)3600	Set the delay time for arriving
146	Position on heating= "1" and	-(No reaction)	Set the position when receive
	sun="0"	-Up	the telegram "1" or "0"(no
		-Down	sun)
		-Stop -Position 1	No reaction: when it is
		-Position 2	heating and no sun, the module will no reaction
		-Position 3	Up: when it is heating and no
		-Position 4	sun, the module will move up
			Down: when it is heating and
			no sun, the module will move
			down
			Stop: when it is heating and
			no sun, the module will stop
			Position1 to 4: when it is
			heating and no sun, the
			module will move to preset position
147	Position on heating= "1" and	-(No reaction)	Set the position when receive
	sun="1"	-Up	the telegram "1"
		-Down	No reaction: when it is
		-Stop	heating and sunny, the
		-Position 1	module will no reaction
		-Position 2	Up: when it is heating and no
		-Position 3	sunny, the module will move
		-Position 4	up



Down: when it is heat sunny, the module wi down Stop: when it is heatin sunny, the module wi Position1 to 4: when heating and sunny, the	ll move ng and
Position1 to 4: when the string and sunny, the	llaton
module will move to p	
position	
148Position on cooling= "1" and sun="0"-(No reaction)Set the position when the telegram "1" or "0"	
-Down sun) -Stop No reaction: when it i	s
-Position 1 cooling and no sun, th	ne
-Position 2 module will no reaction -Position 3 Up: when it is cooling	
-Position 4 sun, the module will r	nove up
Down: when it is cool no sun, the module w	
down Stop: when it is coolir	a and
no sun, the module w	ill stop
Position1 to 4: when a cooling and no sun, the	
module will move to position	oreset
149     Position on cooling= "1" and -(No reaction)   Set the position when	receive
sun="1" -Up the telegram "1" -Down No reaction: when it i	s
-Stop cooling and sunny, th -Position 1 module will no reaction	
-Position 2 -Position 1 -Position 2 -Position 2	
-Position 3 sunny, the module wi -Position 4 up	ll move
Down: when it is cool	-
sunny, the module wi down	ll move
Stop: when it is cool of support the module with	
sunny, the module wi Position1 to 4: when	t is
cooling and sunny, th module will move to p	
position	



2.2.5_s	cene				
0.1.	2 M/W04.10.1		August 2 March	e to positi	×
Gene				A:scene	
A:fun		Scene ass	ignment(1)	No a	ssignment
A:pos A:saf	ety		position value		(255)
A:aut A:aut	to2		ignment(2)		
Atsce Chan	inel B				ssignment E
100 6000	inel C inel D	>>Uutput	position value	[100%	(255)
		Scene as:	ignment(3)	Noa	ssignment
		>>Output	position value	100%	:(255)
		Scene as:	ignment(4)	No a	ssignment
		>>Output	position value	100%	:(255)
		Scene ass	ignment(5)	No a	ssignment
		>>Output	position value	100%	(255)
		Scene as:	ignment(6)	No a	ssignment
			position value	[100%	•
			ОК	Cancel	Default Info Help
L50	Scene assignment(1)		(No assignment)		Set the parameter for scene
			Scene No.1Scene No.	2	assignment
151	->Output position valu	e	0%(100%)(255)		Set the value for output position
152	Scene assignment(2)		(No assignment)		Set the parameter for scene
152	Autout position value		Scene No.1Scene No.	2	assignment
153	->Output position valu	e	0%(100%)(255)		Set the value for output position
154	Scene assignment(3)		(No assignment)		Set the parameter for scene
			Scene No.1Scene No.	2	assignment
155	->Output position valu	e	0%(100%)(255)		Set the value for output position
156	Scene assignment(4)		(No assignment)		Set the parameter for scene
157			Scene No.1Scene No.	2	assignment
157	->Output position valu	e	0%(100%)(255)		Set the value for output position
158	Scene assignment(5)		(No assignment)		Set the parameter for scene
			Scene No.1Scene No.	2	assignment
159	->Output position valu	e	0%(100%)(255)		Set the value for output position
160	Scene assignment(6)		(No assignment)		Set the parameter for scene
			Scene No.1Scene No.	2	assignment
L61	->Output position valu	е	0%(100%)(255)		Set the value for output position
162	Scene assignment(7)		(No assignment)		Set the parameter for scene
1.62			Scene No.1Scene No.	2	assignment
163	->Output position valu	е	0%(100%)(255)		Set the value for output position
164	Scene assignment(8)		(No assignment)		Set the parameter for scene



		Scene No.1Scene No.2	assignment
165	->Output position value	0%(100%)(255)	Set the value for output position
166	Scene assignment(9)	(No assignment) Scene No.1Scene No.2	Set the parameter for scene assignment
167	->Output position value	0%(100%)(255)	Set the value for output position
168	Scene assignment(10)	(No assignment) Scene No.1Scene No.2	Set the parameter for scene assignment
169	->Output position value	0%(100%)(255)	Set the value for output position

#### 

### D.Communication Objects

#### D.0 General

Objects	"General"			
11 Gen 12 Gen 13 Gen 14 Gen	eral Send cy eral Weak wi eral Slight eral Strong eral Rain al	Function Descript cles nd alarm received wind alarm received wind alarm received arm received larm received	ion Group Addresses Length 1 bit 1 bit	C         R         W         T         U         Data Type           C         R         -         I         bit DPT_Enable           C         -         W         -         U           C         -         W         -         U           C         -         W         -         U           C         -         W         -         U           C         -         W         -         U           C         -         W         -         U           C         -         W         -         U           C         -         W         -         U           C         -         W         -         U
NO.	Object name	Function	Flags	Data type
0	General	Send cycles	СКТ	DPT 1.003 1bit
This con	nmunication object	t is always active and valid. last telegram value is "1", t		ram to bus in next frame. e.g. 0″
1	General	Weak wind alar received	m CWU	DPT 1.005 1bit
2	General	Slight wind alar received	m CWU	DPT 1.005 1bit
3	General	Strong wind ala received	rm CWU	DPT 1.005 1bit
4	General	Rain alarm recei	ved C W U	DPT 1.005 1bit
5	General	Frost alarm recei	ved C W U	DPT 1.005 1bit
	munication objec n "0", no action	ts are used to receive the tel	egram, if receives telegram	<i>"1", will alarm, if receives</i>

#### D.1 Shutter (All channels' setting is same, here, take channel A as an example)

Objects	"operation mo	ode"		
■社0 ■社10 ☞ * • •	General Output A	Send cycles Move shutter up/down	1 bit 1 bit	C R - T - 1 bit DPT_Enable C - W - U 1 bit DPT_UpDown
NO.	Object nan	ne Function	Flags	Data type
10	Output A	Move shutter	C W U	DPT 1.008



		up/down		1bit
This comn	nunication object is use	ed to move shutter up/d	own, if receives "O", wil	l move up, receives "1",will
move dow	ın			

■ero ■2 11	Output A	move snatter up Stop moving	V UUWII	1 bit	C - W - U C - W - U
NO.	Object	name	Function	Flags	Data type
11	Output	A	Stop moving	CWU	DPT 1.007 1 bit

Objects	s "limit travelli	ng"		
	Output A Output A	Stop moving Limit travelling W	1 DIT 1 bit	C − W − U C − W − U 1 bit DPT_UpDown
NO.	Object name	e Function	Flags	Data type
12	Output A	Limit travelling	CWU	DPT 1.008 1 bit
	mmunication o s "1", will mov	bbject is used to limit the range of e down	shutter travel, if receives	s telegram "0",will move up, if

Objects	s "move to position"			
13 C	Varput A Move to position (		1 Byte C ·	
NO.	Object name	Function	Flags	Data type
13	Output A	Move to position	CWU	DPT 5.001
		(0%100%)		1 byte
This co	mmunication object is us	ed to move to the position	n according to the t	elegram

Objec	ts "Move louvre to	position"			
⊒‡14 - 1	Output A	Move louvre to position		1 Byte	C - W - U
NO.	Object name	Function	Flags	Data type	
14	Output A	Move louvre to position	CWU	DPT 5.001 1 byte	
This c	ommunication obje	ect is used to move to louvre pos	ition according to t	he receiving value	



Object	s "Status response"			
■	Autput A         Object status of varput A         Object v	upper pos lower pos auto	1 bit 1 bit 1 bit	C R - I - 8 bit unsigned value DPT C R - T - 1 bit DPT_UpDown C R - T - 1 bit DPT_UpDown C R - T - 1 bit DPT_UpDown C R - T - C R - T -
NO.	Object name	Function	Flags	Data type
15	Output A	Object status of	CRT	DPT 5.001
		position		1 byte
17	Output A	Object status of	CRT	DPT 1.008
		upper pos		1 bit
18	Output A	Object status of	CRT	DPT1.008
		lower pos		1 bit
19	Output A	Object status of	CRT	DPT1.011
		auto		1bit
20	Output A	Object status of	CRT	DPT1.005
		forced alarm		1bit
These	communication objects a	are used to set the shut	ter status when the	position is changed

Object	s "Preset position"			
■	Output A Set positi Output A Set positi Output A Move to pos Output A Move to pos	on 3/4 ition 1/2	1 bi 1 bi 1 bi 1 bi	t C – W – U t C – W – U
NO.	Object name	Function	Flags	Data type
21	Output A	Set position1/2		
22	Output A	Set position3/4	C W/ 11	DPT1.022
23	Output A	Move to position 1/2	CWU	1 bit
24	Output A	Move to position 3/4		
These	communication objects a	re used to set the preset po	sition	

Objects	"Activation of weather al	arm"		
	Output A move to pos: Output A Activation Output A Sefective Forced operations	of weather alarm		1 D1T С. – W. – U 1 bit С. – W. – U 2 bit С. – W. – П
NO.	Object name	Function	Flags	Data type
25	Output A	Activation of	CWU	DPT1.011
		weather alarm		1 bit
	nmunication object is used			·

Objects	Objects "Forced operation"				
■27	Output & Safety Forced operation Output & Safety Forced operation Output & Safety Forced operation	2	2 bit 1 bit 1 bit	C - W - U C - W - U 1 bit DPT_Switch C - W - U 1 bit DPT_Switch 	
NO.	Object name	Function	Flags	Data type	
26	Output A Safety	Forced operation1	C W U	DPT 2.008	
				2 bit	



27	Output A Safety	Forced operation2	cw u	DPT 1.001		
				1 bit		
28	Output A Safety	Forced operation3		DPT 1.001		
C W U 1bit						
These con	These communication objects are used to force operation					

#### Objects "Activation of auto control"

NO.	Object name	Function	Flags	Data type	
29	Output A	Activation of auto	СТ	DPT 1.011	
		control		1 bit	
This co	This communication object is used to activate weather alarm. If this communication object receives the				

Objec	ts "Auto 1"			
⊒‡ 31		" rcentage for sun ble remote control	1 bit C - W - 1 Byte C - W - 1 bit C - W -	U 1 bit DPT_Bool U 8 bit unsigned value DPT U 1 bit DPT_Enable
NO.	Object name	Function	Flags	Data type
30	Output A Auto1	Sun= "0 or 1"	C W U	DPT1.002
				1 bit
This c	ommunication object	is used to receive the sun=0 or 1 signo	 וג	
31	Output A Auto1	Position percentage for sun	CWU	DPT5.001
				1byte
This c	ommunication object	is used to move to the position when	auto is activated	
33	Output A	Enable/Disable remote control	C W U	DPT1.003
				1 bit
This c	ommunication object	is used to enable/disable remote con	itrol	

Objects "Presence"						
III 34 Output A Presence check(arrive/leave) 1 bit C - W - U 1 bit DPT_Bool						
NO.	Object name	Function	Flags	Data type		
34	Output A	Presence check(arrive/leave)	C W U	DPT 1.002 1 bit		
This co	mmunication object is i	used to receive presence (arrive	e) signal or no prese	nce (leave) signal.		



Objects "Heating" and "Cooling"				
Imil 35       Output A Auto2       Heating       1 bit       C - W - U 1 bit DPT_Bool         Imil 36       Output A Auto2       Cooling       1 bit       C - W - U 1 bit DPT_Bool         Imil 36       Output A Auto2       Cooling       1 bit       C - W - U 1 bit DPT_Bool				
NO.	Object name	Function	Flags	Data type
35	Output A Auto 2	Heating	CWU	DPT 1.002
				1 bit
This	s communication is used to	receive "Heating" sig	gnal, when send the te	elegram "1", "Heating" is valid
36	Output A Auto 2	Cooling	CWU	DPT 1.002
				1 bit
This	communication is used to	receive "Cooling" sigi	nal, when send the te	legram "1", "Cooling" is valid

Objects "Scene"					
Image: A contract of the second memory of the second me					
NO.	Object name	Function	Flags	Data type	
37	Output A	Call scene number	CWU	DPT 18.001 1 byte	
This co	mmunication is used to cont	rol the scene			

# D 2 Blinds

	S "Operation mode"	'down	1 bit C	- ₩ - U 1 bit DPT_UpDown 
NO.	Object name	Function	Flags	Data type
10	Output A	Move blinds up/down	CWU	DPT 1.008 1 bit
This co down	mmunication is used to	move blinds up/down, if rec	ceives "0", will move ι	up, receives "1", will move

1 bi	it C − W − U			
Il Output & Adjust louvre/Stop moving I bit C - W - U				
n Flags	Data			
ouver/Stop C W U	DPT 1			
	1			
c	- 0-			



Object	s "limit travelling"			
<b>1</b> 2	Output A Limit travelling		1 bit C -	· ₩ - U 1 bit DPT_UpDown
NO.	Object name	Function	Flags	Data type
12	Output A	Limit travelling	CWU	DPT 1.008 1 bit
	mmunication is used to limes "1", will move down	t the range of blinds trav	vel, if receives telegram	<i>"O", will move up, if</i>

Objec	Objects "position"					
	III Output A Move to position(0%100%) 1 Byte C - W - U 8 bit unsigned value DPT					
NO.	Object name	Function	Flags	Data type		
13	Output A	Move to	CWU	DPT 5.001		
	position(0%100%) 1 byte					
This c	ommunication is used	to move to any position when	it receives value			

Objects "position"						
I Byte C − V − U 8 bit unsigned value DPT						
NO.	Object na	me	Function	Flags	Data type	
14	Output A		Move louver to	CWU	DPT5.001	
			position		1byte	
This co	mmunicatio	n is used to mo	ve to any position wh	en it receives value		

■2 16 ■2 17 ■2 18 ■2 19	Output A     Object status       Output A     Object status	f louvre pos f upper pos f lower pos f auto	1 Byte C F 1 bit C F 1 bit C F 1 bit C F 1 bit C F	<ul> <li>T - 8 bit unsigned value DPT</li> <li>T - 8 bit unsigned value DPT</li> <li>T - 1 bit PT_UpDown</li> <li>T - 1 bit DPT_UpDown</li> <li>T - 1</li> <li>T - 1</li> </ul>
NO.	Object name	Function	Flags	Data type
15	Output A	Object status of	СКТ	DPT 5.001
		position		1 byte
16	Output A	Object status of louver	СКТ	DPT5.001
		pos		1 byte
17	Output A	Object status of upper	СКТ	DPT 1.008
		pos		1 bit
18	Output A	Object status of lower	СКТ	DPT1.008
		pos		1 bit
19	Output A	Object status of auto	СКТ	DPT1.011
				1bit
20	Output A	Object status of forced	СКТ	DPT1.005
		alarm		1bit



Objeo	cts "Preset position"	)		
■려21 ■려22 ■려23 ■려24	Output A S Output A M	Set position 1/2 Set position 3/4 Nove to position 1/2 Nove to position 3/4	1 bit 1 bit 1 bit 1 bit	C - W - U C - W - U C - W - U
NO.	Object name	Function	Flags	Data type
21	Output A	Set position 1/2	CWU	DPT 1.022 1bit
22	Output A	Set position 3/4	C W U	DPT 1.022 1bit
23	Output A	Move to position 1/2	CWU	DPT 1.022 1bit
24	Output A	Move to position 3/4	CWU	DPT 1.022 1bit
These	communication ob	jects are used to set the preset posit	ion	

IIII 25 Output A Activation of weather alarm			1 bit	1 bit $C - \Psi - U$	
NO.	Object name	Function	Flags	Data type	
25	Output A	Activation of	C W U	DPT 1.011	
		weather alarm		1 bit	

Objec	ts "Forced operation"			
<b>ा</b> द्वै 26 <b>ा</b> द्वै 27 <b>ा</b> द्वै 28	Output & Safety Forced op Output & Safety Forced op Output & Safety Forced op	eration2		2 bit C - W - U 1 bit C - W - U 1 bit DPT_Switch 1 bit C - W - U 1 bit DPT_Switch
NO.	Object name	Function	Flags	Data type
26	Output A Safety	Forced operation 1	CWU	DPT2.008
				2 bit
27	Output A Safety	Forced operation 2	CWU	DPT1.001
				1bit
28	Output A Safety	Forced operation 3	CWU	DPT1.001
				1bit
These	communication objects	are used to force operation	1	



¥	III 29 Output A Activation of auto control 1 bit C − W − U			
NO.	Object name	Function	Flags	Data type
29	Output A	Activation of auto control	CWU	DPT1.011 1 bit
the au		Is used to activate weather alarm, d. If this communication object rece	-	•

Object	s "Auto 1"			
⊒⊉31 ( ⊒⊉32 (	Output A Autol Louvre perc	" rcentage for sun entage for sun ble remote control		<ul> <li>U 1 bit DPT_Bool</li> <li>U 8 bit unsigned value DPT</li> <li>U 8 bit unsigned value DPT</li> <li>U 1 bit DPT_Enable</li> </ul>
NO.	Object name	Function	Flags	Data type
30	Output A Auto1	Sun= "0 or 1"	C W U	DPT1.002
				1 bit
This co	mmunication object i	s used to receive the sun=0 or 1 sig	gnal	
31	Output A Auto1	Position percentage for sun	CWU	DPT5.001
				1byte
This co	ommunication object i	s used to move to the position whe	en auto is activated	
32	Output A Auto 1	Louver percentage for sun	C W U	DPT5.001
				1 byte
This co	ommunication object i	s used to move to position when a	nuto is activated	
33	Output A	Enable/Disable remote	C W U	DPT1.003
		control		1 bit

Objects "Presence"					
III 34 Output A Presence check(arrive/leave) 1 bit C - W - U 1 bit DPT Boo III 35 Output A Auto? Hosting 1 bit C - W - U 1 bit DPT Boo					
NO.	Object nam	ne	Function	Flags	Data type
34	Output A		Presence	CWU	DPT 1.002
			check(arrive/leave)		1 bit

Object	s "Heating" and "Cooling"			
■135 ■136	Output A Auto2 Heating Output A Auto2 Cooling		1	bit C - W - U 1 bit DPT_Bool bit C - W - U 1 bit DPT_Bool
NO.	Object name	Function	Flags	Data type
35	Output A Auto 2	Heating	CWU	DPT 1.002 1 bit
TI	his communication is used	to receive "Heating"	' signal, when send the	e telegram "1", "Heating" is valid



36	Output A Auto 2	Cooling	CWU	DPT 1.002
				1 bit
This	communication is used to	receive "Cooling" sigr	nal, when send the tel	egram "1", "Cooling" is valid

Image: A latter of the second marker     1 Byte     C - W - U					
NO.	Object name	e	Function	Flags	Data type
37	Output A		Call scene number	CWU	DPT 18.001 1 byte

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