

APPLICATION PROGRAM INFORMATION

Dry Contact 24CH Sensor	
M/S24.1	
KNX/EIB-BUS	
Document Version: 1.0, Date:	
This document describes the M/S24.1-functions with the KNX-product-	application:
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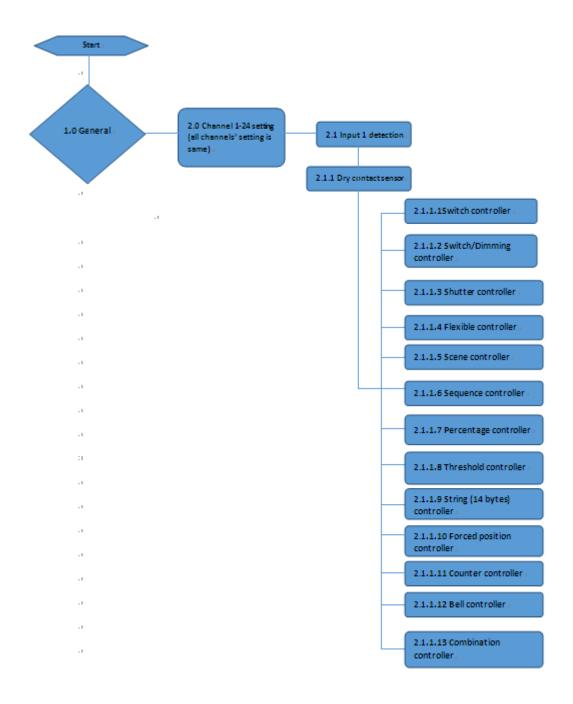
- A. General description
- B. Function overview flowchart
- C. Function description
- D. Communication objects



A.

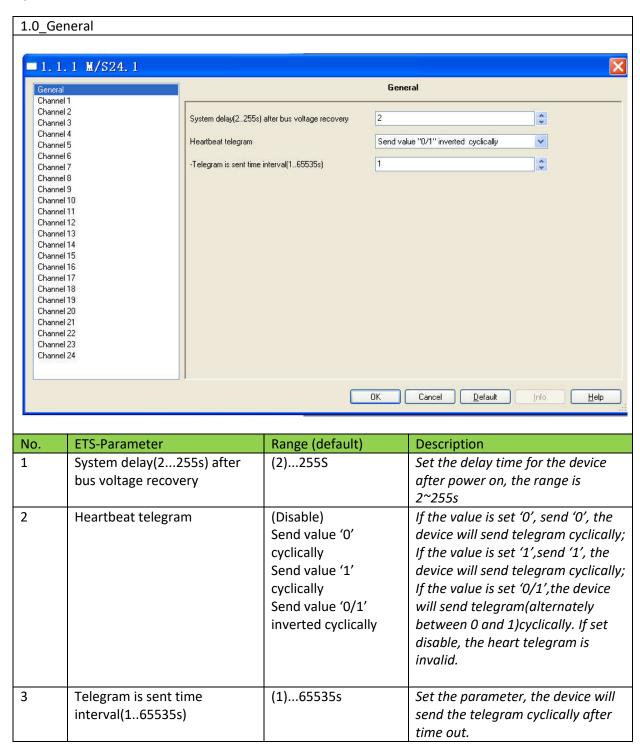
The Dry Contact 24CH Sensor is used to operate building functions. This manual contains the programming of this device.

В.

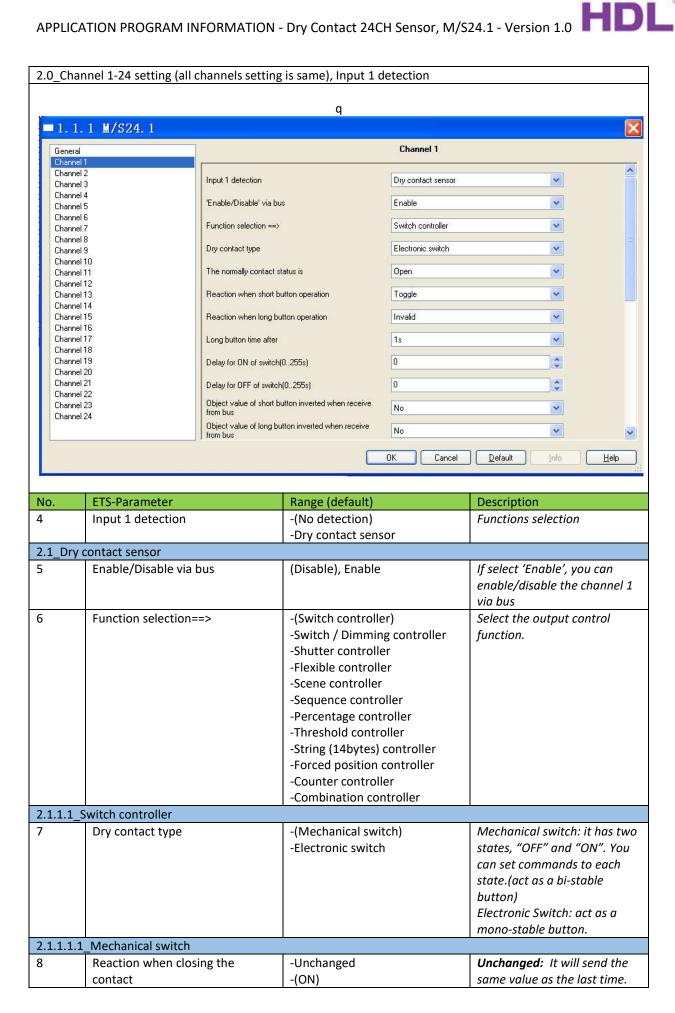




C.







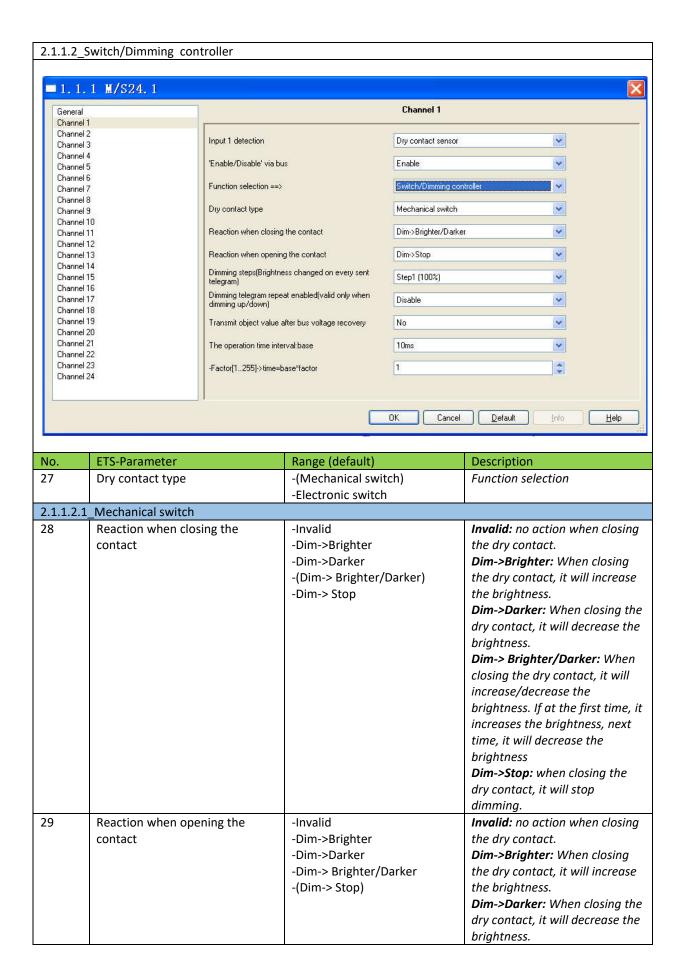


1/	The normany contact status is	-(Open)	status when have no
17	The normally contact status is	-Closed	Set the dry contact's normal
21112	Electronic switch		
16	Factor[1255]->time=base*factor	(1)255	These two parameters are used to set the time interval of repeat operation, the time interval = base*factor.
15	The operation time interval: base	-(10ms) -100ms -1sec -1min -1hour	These two parameters are used to set the time interval of repeat operation, the time interval = base*factor.
14	Transmit object value after bus voltage recovery	-NO -(YES)	Whether transmit object value after bus voltage recovery.
13	Cyclic telegram of object	-(NO) -if switch is "ON" -if switch is "OFF" -Always transmission	NO: There is not cyclic function. If switch is ON: It will send out the telegram cyclically when the switch is OFF: It will send out the telegram cyclically when the switch is off. Always transmission: No matter the switch is on or off, it will send out the telegram cyclically.
12	Object value inverted when receiving from bus	-(NO) -YES	NO: It will not invert the receiving value YES: It will invert the receiving value
11	Delay for OFF of switch(0255s)	(0)255	Set the delay time for switch off
10	Delay for ON of switch(0255s)	(0)255	Set the delay time for switch on
9	Reaction when opening the contact	-Toggle -Stop cyclic telegram -Unchanged -ON -(OFF) -Toggle -Stop cyclic telegram	OFF: The value it will send is 0. Toggle: It will invert the last time's value then send it out. Stop cyclic telegram: This is mainly used for the following cycle settings. Unchanged: It will send the same value as the last time. ON: The value it will send is 1. OFF: The value it will send is 0. Toggle: It will invert the last time's value then send it out. Stop cyclic telegram: This is mainly used for the following cyclic settings.
		-OFF	ON : The value it will send is 1.



			operation. Closed: The dry contact's normal status is closed. Open: The dry contact's normal status is open
18	Reaction when short button operation	-Invalid -Unchanged -ON -OFF -(Toggle)	Set the output control type when short press the button
19	Reaction when long button operation	-(Invalid) -Unchanged -ON -OFF -Toggle	Set the output control type when long press the button
20	Long button time after	0.2s(1s)60s	Set the long press time
21	Delay for ON of switch(0255s)	(0)255	Set the delay time for switch on
22	Delay for OFF of switch(0255s)	(0)255	Set the delay time for switch off
23	Object value of short button inverted when receive from bus	-(NO) -YES	NO: It will not invert the receiving value YES: It will invert the receiving value
24	Object value of long button inverted when receive from bus	-(NO) -YES	NO: It will not invert the receiving value YES: It will invert the receiving value
25	The operation time interval: base	-(10ms) -100ms -1sec -1min -1hour	These two parameters are used to set the time interval of repeat operation, the time interval = base*factor.
26	Factor[1255]->time=base*factor	(1)255	These two parameters are used to set the time interval of repeat operation, the time interval = base*factor.







r			
30	Dimming steps (Brightness changed on every sent telegram)	-(Step1 (100%)) -Step2 (50%) -Step3 (25%) -Step4 (12.5%) -Step5 (6.25%)	Dim-> Brighter/Darker: When closing the dry contact, it will increase/decrease the brightness. If at the first time, it increases the brightness, next time, it will decrease the brightness Dim->Stop: when closing the dry contact, it will stop dimming. Set the dimming value when send out the telegram
		-Step6 (3.13%)	
		-Step7 (1.56%)	
31	Dimming telegram repeat enabled (valid only when dimming up/down)	-(Disable) -Enable	Whether repeat sending dimming telegram. Disable: do not repeat sending dimming telegram. Enable: when dimming up/down will repeat sending dimming telegram.
32	Dimming telegram repeated time	0.2s(0.4s)60s	Set the repeat time
33	Dimming telegram repeated number (1-255,0-unlimted)	(0)255	The repeat time of the dimming telegram
34	Transmit object value after bus voltage recovery	-(NO) -YES	Whether transmit object value after bus voltage recovery.
35	The operation time interval: base	(10ms)1hour	These two parameters are used to set the time interval of repeat operation, the time interval = base*factor.
36	Factor[1255]- >time=base*factor	(1)255	These two parameters are used to set the time interval of repeat operation, the time interval = base*factor.
2.1.1.2.2	Electronic switch		
37	The normally contact status is	-Closed -(Open)	Set the dry contact's normal status when have no operation. Closed: The dry contact's normal status is closed. Open: The dry contact's normal status is open
38	Reaction when short button operation	-Invalid -Unchanged -ON -OFF -(Toggle)	Set the output control type when short press the button
39	Reaction when long button operation	-Invalid -Dim->Brighter -Dim->Darker -(Dim-> Brighter/Darker)	Set the output control type when long press the button
40	Long button time after	0.2s(1s)60s	Set the time for long press
41	Delay for ON of switch(0255s)	(0)255	Set the delay time for ON of

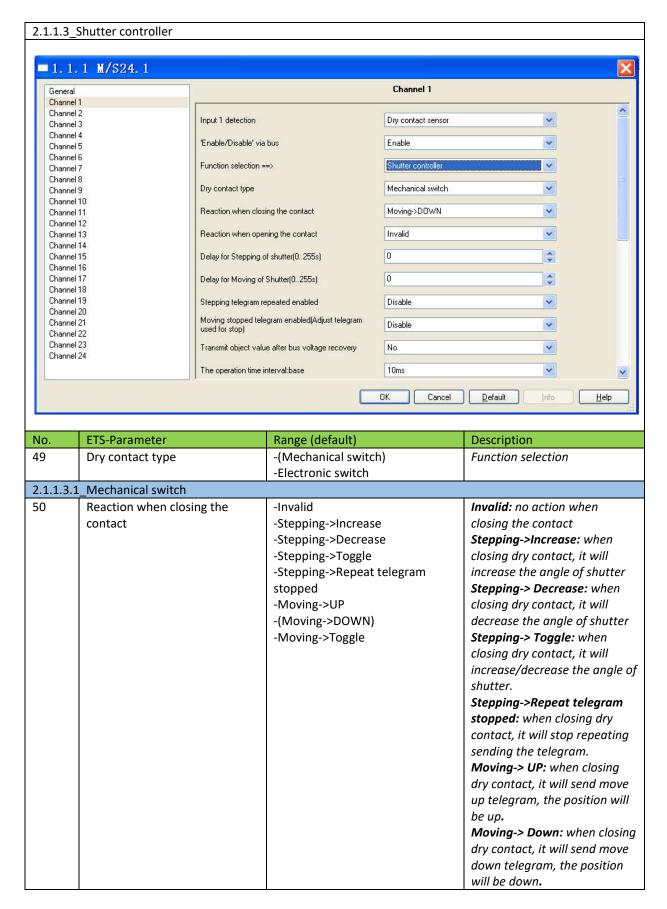


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			switch.
42	Delay for OFF of switch(0255s)	(0)255	Set the delay time for OFF of switch.
43	Dimming steps (Brightness changed on every sent telegram)	-(Step1 (100%)) -Step2 (50%) -Step3 (25%) -Step4 (12.5%) -Step5 (6.25%) -Step6 (3.13%) -Step7 (1.56%)	Set the dimming value when send the out the telegram
44	Dimming telegram repeated enable	(Disable) Enable	Whether repeat sending the dimming telegram
45	Dimming telegram repeated time	0.2s(0.3s)60s	Set the repeat time
46	Dimming telegram repeated number (1255,0-unlimited)	(0)255	The repeat time for the dimming telegram
47	The operation time interval: base	(10ms)1hour	These two parameters are setting the time interval of repeat operation dry contact, the time is base*factor.
48	Factor[1255]- >time=base*factor	(1)255	These two parameters are setting the time interval of repeat operation dry contact, the time is base*factor.

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			Moving-> Toggle: when closing dry contact, it will send move up/down telegram, the
51	Reaction when opening the contact	-(Invalid) -Stepping->Increase -Stepping->Decrease -Stepping->Toggle -Stepping->Repeat telegram stopped -Moving->UP -(Moving->DOWN) -Moving->Toggle	position will be up/ down. Invalid: no action when opening the contact Stepping->Increase: when opening dry contact, it will increase the angle of shutter Stepping-> Decrease: when opening dry contact, it will decrease the angle of shutter Stepping-> Toggle: when opening dry contact, it will increase/decrease the angle of shutter. Stepping->Repeat telegram stopped: when opening dry contact, it will stop repeat sending the telegram. Moving-> UP: when opening dry contact, it will send move up telegram, the position will be up.
			Moving-> Down: when opening dry contact, it will send move down telegram, the position will be down. Moving-> Toggle: when opening dry contact, it will
			send move up/down telegram, the position will be up/ down.
52	Delay for Stepping of Shutter(0255s)	(0)255s	Set the delay time for adjusting the angle of the shutter
53	Delay for Moving of Shutter(0255s)	(0)255s	Set the delay time for moving the position of the shutter
54	Stepping telegram repeated enabled	-(Disable) -Enable	Whether repeat sending telegram for adjusting the angle Disable: do not send telegram for adjusting the angle Enable: send telegram for adjusting the angle
55	Stepping telegram repeated time	(0.2s)60s	The interval of sending adjusting telegram
56	Stepping telegram repeated number (1255, 0-unlimited)	(0)255	The repeat times of sending dimming telegram
57	Moving stopped telegram enabled(Adjust telegram used for stop)	-(Disable) -Enable	Enable/disable the function to auto stop the shutter after moving
58	Transmit object value after bus voltage recovery	-(NO) -YES	Whether transmit object value after bus voltage recovery. NO: do not transmit object value after bus voltage recovery.



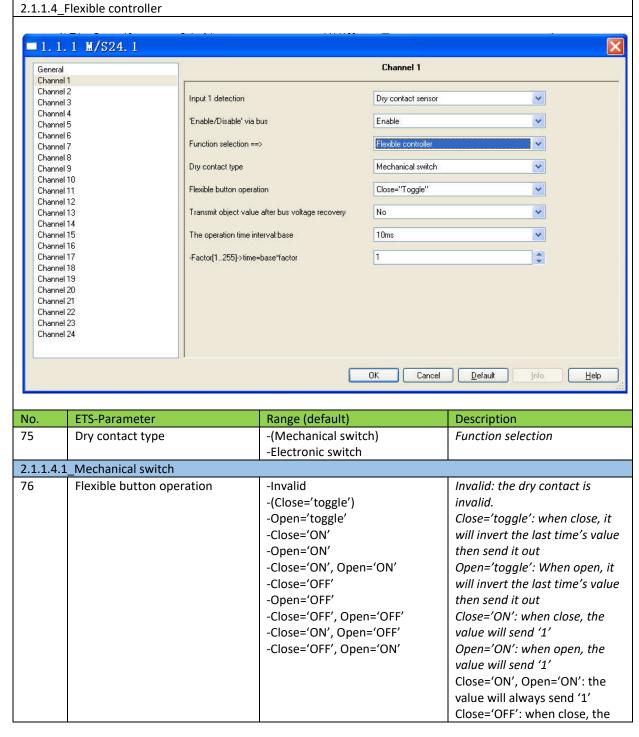
59 60 2.1.1.3 61	The operation time interval: base Factor[1255]- >time=base*factor .2_Electronic switch The normally contact status is	(10ms)1hour (1)255 -Closed -(Open)	YES: it will transmit object value after bus voltage recovery. These two parameters are used to set the time interval of repeat operation, the time interval = base*factor. These two parameters are used to set the time interval of repeat operation, the time interval = base*factor. Set the dry contact normal status when has no operation. Close: the contact's normal
			status is closed. Open: the contact's normal status is open.
62	Reaction when short button operation	-Invalid -(Stepping->Increase/STOP) -Stepping->Decrease/STOP -Stepping->Toggle/STOP -Moving->UP -Moving->DOWN -Moving->Toggle	Invalid: no action when short press Stepping->Increase/Stop: when short press the button, it will increase/stop adjusting the angle of shutter Stepping-> Decrease/Stop: when short press the button, it will decrease/ stop adjusting the angle of shutter Stepping-> Toggle/Stop: when short press the button, it will toggle/ stop adjusting the angle of shutter Moving-> UP: when short press the button, it will it will send move up telegram, the position will be up. Moving-> Down: when short press the button, it will it will send move up telegram, the position will be up. Moving-> Toggle: when short press the button, it will send move up/down telegram, the position will be up/down.
63	Reaction when long button operation	-Invalid -Stepping->Increase/STOP -Stepping->Decrease/STOP -Stepping->Toggle/STOP -Moving->UP -Moving->DOWN -(Moving->Toggle) -Press: Moving->UP, Release: Call short button -Press: Moving->DOWN, Release: Call short button	Invalid: no action when long press the button Stepping->Increase/Stop: when long press the button, it will increase/stop adjusting the angle of shutter Stepping-> Decrease/Stop: when long press the button, it will decrease/stop adjusting the angle of shutter Stepping-> Toggle/Stop:



	1		T
		-Press: Moving->Toggle, Release: Call short button	when long press the button, it will toggle/ stop adjusting the angle of shutter Moving-> UP: when long press the button, it will send move up telegram, the position will be up. Moving-> Down: when long press the button, it will it will send move up telegram, the position will be down. Moving-> Toggle: when long press the button, it will send move up/down telegram, the position will be up/ down. Press: Moving->UP, Release: Call short button: When long press the button, it will send move up telegram, when release, it will send telegram of short press. Press: Moving->DOWN, Release: When long press the button, it will send move down telegram, when release, it will send telegram of short press. Press: Moving->Toggle, Release: Call short button: When long press the button, it will send move up/down telegram, when release, it will send move up/down telegram, when release, it will send telegram, shen release, it will send telegram, when release, it will send telegram of short press
6:		0.0 (1.) 65	
64	Long button time after	0.2s(1s)60s	Set the time for long press
65	Delay for Stepping of	(0)255s	Set the delay time for
66	shutter(0255s)	(0) 3556	adjusting the angle of shutter
66	Delay for Moving of shutter(0255s)	(0)255s	Set the delay time for Moving the position of shutter.
67	Stepping telegram repeated enable	(Disable), Enable	Whether repeat sending adjusting telegram. Disable: do not repeat sending adjusting telegram. Enable: it will repeat sending the adjusting telegram.
68	Stepping telegram repeated time	0.2s(0.3s)60s	The interval of sending adjusting telegram
69	Moving stopped telegram enabled (Adjust telegram used for stop)	(Disable), Enable	Enable/disable the function to auto stop the shutter after moving
70	Moving stopped telegram delay time: base	100ms1sec1hour	These two parameters are used to set the delay time to stop the shutter after moving, the delay time = base*factor.
71	Factor[1255]- >time=base*factor	1(10)255	These two parameters are used to set the delay time to stop the shutter after moving,



			the delay time = base*factor.
72	The operation time interval: base	(10ms)1hour	These two parameters are used to set the time interval of repeat operation, the time interval = base*factor.
73	Factor[1255]- >time=base*factor	1(10)255	These two parameters are used to set the delay time to stop the shutter after moving, the delay time = base*factor.

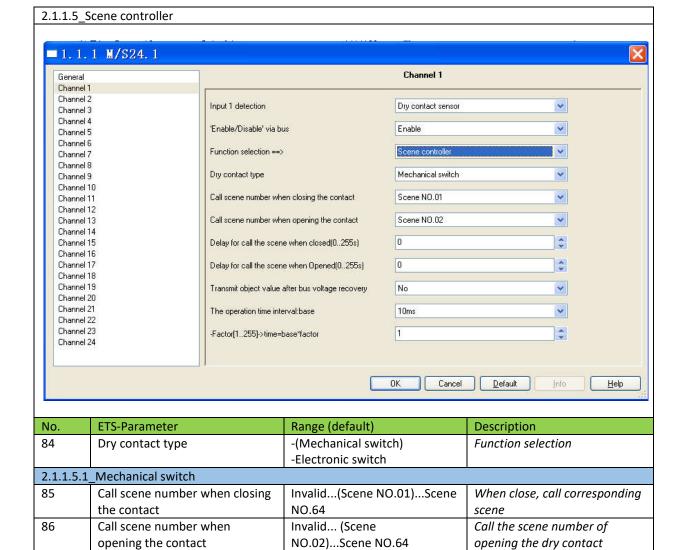




			value will send '0' Open='OFF': when open, the value will send '0' Close='OFF', Open='OFF': the value will always send '0' Close='ON', Open='OFF': when close, the value will send '1'; when open, the value will send '0' Close='OFF', Open='ON': when close, the value will send '0'; when open, the value will send '1'
77	Transmit object value after bus voltage recovery	-(NO) -YES	Whether transmit object value after bus voltage recovery. NO: do not transmit object value after bus voltage recovery. YES: will transmit object value after bus voltage recovery.
78	The operation time interval: base	(10ms)1hour	These two parameters are setting the time interval of repeat operation dry contact, the time is base*factor.
79	Factor[1255]- >time=base*factor	(1)255	These two parameters are setting the time interval of repeat operation dry contact, the time is base*factor.
2.1.1.4.2	_Electronic switch		
80	The normally contact status is	-Closed -(Open)	Set the dry contact normal status when has no operation. Close: the contact's normal status is closed. Open: the contact's normal status is open.
81	Flexible button operation	Invalid -(Press='toggle') Release='toggle' Press ='ON' Release ='ON' Press ='OF' Release ='OFF' Release ='OFF' Press ='OFF', Release ='OFF' Press ='ON', Release ='OFF' Press ='ON', Release ='OFF'	Invalid: the dry contact is invalid. Press='Toggle': when press, it will invert the last time's value then send it out Release='Toggle': when release, it will invert the last time's value then send it out Press ='ON': when press, the value will send is 1 Release ='ON': when release, the value will send is 1 Press='ON', Release ='ON': the value will send is always 1 Press='OFF': when press, the value will send is 0 Release='OFF': when release, the value will send is 0 Press='OFF', Release='OFF': the value will send is always 0 Press='ON', Release='OFF':



			when press, the value will send is 1; when release, the value will send is 0 Press='OFF', Release='ON': when press, the value will send is 0; when release, the value will send is 1
82	The operation time interval: base	(10ms)1hour	These two parameters are setting the time interval of repeat operation dry contact, the time is base*factor.
83	Factor[1255]- >time=base*factor	(1)255	These two parameters are setting the time interval of repeat operation dry contact, the time is base*factor.



(0)...255s

closed (0...255s)

Delay for call the scene when

87

Set the delay time to call scene

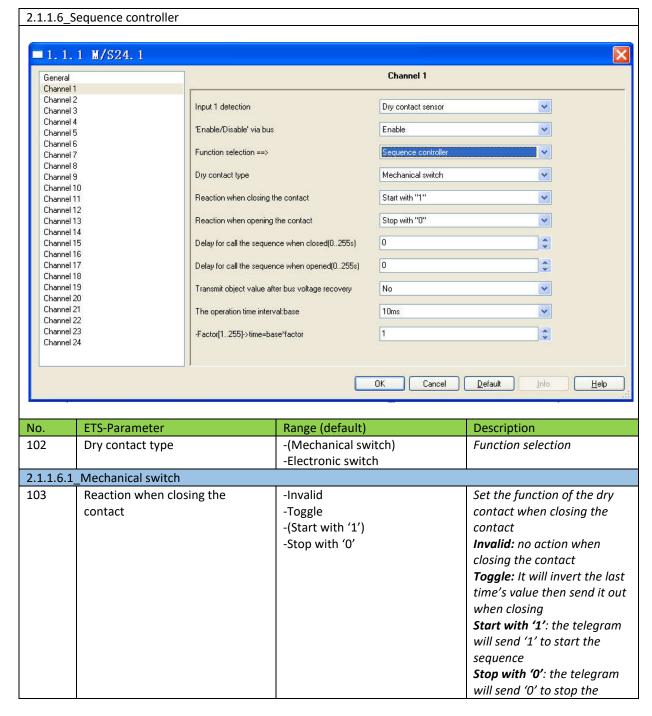
when close



00	Dolou for call the coorse with an	(0) 2556	Cot the delay times to sell on
88	Delay for call the scene when	(0)255s	Set the delay time to call scene
00	Opened (0255s)	(NO)	when open
89	Transmit object value after bus	-(NO)	Whether transmit object value
	voltage recovery	-YES	after bus voltage recovery.
			NO: do not transmit object
			value after bus voltage
			recovery.
			YES: will transmit object value
00	The encustion times into well	(10000) 16000	after bus voltage recovery.
90	The operation time interval:	(10ms)1hour	These two parameters are
	base		setting the time interval of
			repeat operation dry contact,
0.1	F[4 255]	(4) 255	the time is base*factor.
91	Factor[1255]-	(1)255	These two parameters are
	>time=base*factor		setting the time interval of
			repeat operation dry contact,
24452	Electronic mother		the time is base*factor.
	_Electronic switch	Closed	Sot the dry contact status when
92	The normally contact status is	-Closed	Set the dry contact status when
		-(Open)	has no operation.
			Close: the contact normal
			status is close.
			Open: the contact normal
0.3	Call account to the set by the set	(Sansa NO 04) Sansa NO 24	status is open.
93	Call scene when short button	(Scene NO.01)Scene NO.24	When short press, call
0.4	operation	(Constanting	corresponding scene
94	Reaction when long button	-(Scene dimming)	Set long press's control
	operation	-Scene saving	functions Soons dimmings when long
		-Dimming and saving	Scene dimming: when long
			press, will dim the scene Scene saving: when long press,
			will save current value to the
			scene
			Dimming and saving: when
			long press, will dim the scene
			and save current value to the
95	-Scene dimming	-(Dim->Brighter)	Scene Dim->Brighter: when long
33	-Scene diffilling	-Dim->Darker	press, will increase the
		-Dim->Brighter/Darker	brightness
		Sim > Brighter/ Darker	Dim->Darker: when long press,
			will decrease the brightness
			Dim-> Brighter/Darker: when
			long press, will
			increase/decrease the
			brightness
96	Long button time after	0.2s(1s)60s	Set time for long press
97	Short button operation toggled	-(NO)	Whether toggle the scene when
, , , , , , , , , , , , , , , , , , ,	Short batton operation toggicu	-YES	short press
			No: do not toggle the scene
			when short press
			Yes; will toggle the scene when
			short press
98	-Toggled scene of the short	Scene NO.01, (Scene	Call another scene when short
30	operation	NO.02)Scene NO.24	press, toggle between two of
		110.02/1.000110 110.24	them
			GIGH



99	Delay for Call the scene(0255s)	(0)255	Set delay time to call the scene
100	The operation time interval: base	(10ms)1hour	These two parameters are setting the time interval of repeat operation dry contact, the time is base*factor.
101	Factor[1255]- >time=base*factor	(1)255	These two parameters are setting the time interval of repeat operation dry contact, the time is base*factor.



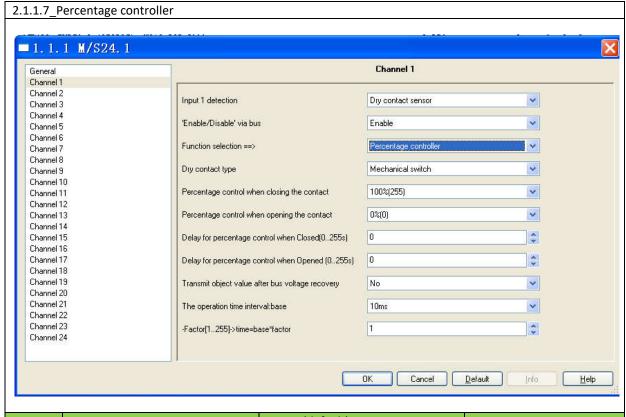


			sequence
104	Reaction when opening the contact	-Invalid -Toggle -Start with '1' -(Stop with '0')	Set the function of the dry contact when open the contact Invalid: no action when opening the contact Toggle: It will invert the last time's value then send it out when closing Start with '1': the telegram will send '1' to start the sequence Stop with '0': the telegram will send '0' to stop the sequence
105	Delay for call the sequence when closed(0255s)	(0)255	Set the delay time to call the sequence after closing
106	Delay for call the sequence when opened(0255s)	(0)255	Set the delay time to call the sequence after opening
107	Transmit object value after bus voltage recovery	-(NO) -YES	Whether transmit object value after bus voltage recovery. NO: do not transmit object value after bus voltage recovery. YES: will transmit object value after bus voltage recovery.
108	The operation time interval: base	(10ms)1hour	These two parameters are setting the time interval of repeat operation dry contact, the time is base*factor.
109	Factor[1255]->time=base*factor	(1)255	These two parameters are setting the time interval of repeat operation dry contact, the time is base*factor.
2.1.1.6.2	_Electronic switch		
110	The normally contact status is	-Closed -(Open)	Set the dry contact status when has no operation. Closed: The dry contact's normal status is closed. Open: The dry contact's normal status is open
111	Reaction when short button operation	-Invalid -(Toggle) -Start with '1' -Stop with '0'	Set the function of the dry contact when short press Invalid: no action when short press Toggle: It will invert the last time's value then send it out when short press Start with '1': the telegram will send '1' to start the sequence Stop with '0': the telegram



			will send '0' to stop the sequence
112	Reaction when long button operation	-(Invalid) -Toggle -Start with '1' -Stop with '0'	Set the function of the dry contact when open the contact Invalid: no action when long press Toggle: It will invert the last time's value then send it out when long press Start with '1': the telegram will send '1' to start the sequence Stop with '0': the telegram will send '0' to stop the sequence
113	Long button time after	0.2s(1s)60s	Set the time for long press
114	Delay for short operation(0255s)	(0)255	Set the delay time for short press
115	Delay for long operation(0255s)	(0)255	Set the delay time for long press
116	The operation time interval: base	(10ms)1hour	These two parameters are setting the time interval of repeat operation dry contact, the time is base*factor.
117	Factor[1255]->time=base*factor	(1)255	These two parameters are setting the time interval of repeat operation dry contact, the time is base*factor.



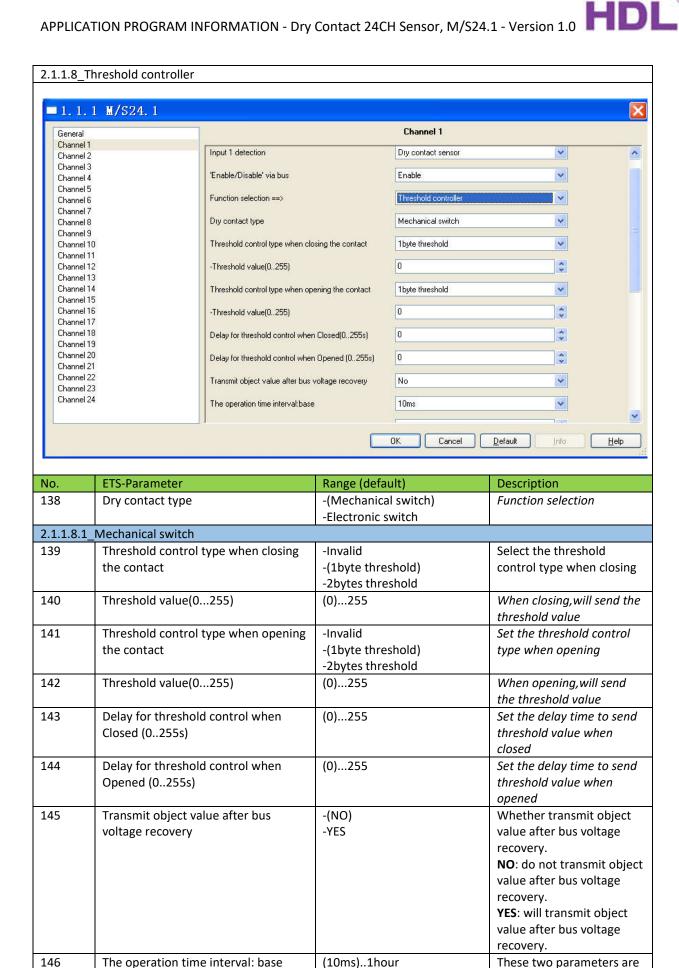


No.	ETS-Parameter	Range (default)	Description
118	Dry contact type	-(Mechanical switch)	Function selection
		-Electronic switch	
2.1.1.7.1	_Mechanical switch		
119	Percentage control when closing	-Invalid	Set the percentage value
	the contact	-0%(0)(100%(255))	when closing the contact
			Invalid: the dry contact is
			invalid.
			0%(0)—100%(255) : the
			percentage of the value
120	Percentage control when	-Invalid	Set the percentage value
	opening the contact	-(0%(0))100%(255)	when opening the contact
			Invalid: the dry contact is
			invalid.
			0 % (0)—100%(255) : the
424		(0) 255	percentage of the value
121	Delay for percentage control	(0)255	Set the delay time when
422	when Closed (0255s)	(0) 255	Closed
122	Delay for percentage control	(0)255	Set the delay time when
422	when Opened (0255s)	(110)	Opened
123	Transmit object value after bus	-(NO)	Whether transmit object
	voltage recovery	-YES	value after bus voltage
			recovery. NO : do not transmit object
			-
			value after bus voltage
			recovery. YES : will transmit object
			value after bus voltage
			recovery.
124	The operation time interval: base	(10ms)1hour	These two parameters are
124	The operation time interval. base	(101113)1110ui	setting the time interval of
			security the time interval of



	Т	T	
			repeat operation dry
			contact, the time is
			base*factor.
125	Factor[1255]-	(1)255	These two parameters are
	>time=base*factor		setting the time interval of
			repeat operation dry
			contact, the time is
			base*factor.
2.1.1.7.2	_Electronic switch		
126	The normally contact status is	-Closed	Set the dry contact status
		-(Open)	when has no operation.
			Close: the contact status is
			closed.
			Open: the contact status is
			open.
127	Reaction when short button	-Invalid	Invalid: the dry contact is
	operation	-0 % (0)(100%(255))	invalid.
			0% (0)—100%(255) : the
			percentage of the value
128	Reaction when long button	-Invalid	Invalid: the dry contact is
	operation	-0% (0)(100%(255))	invalid.
			0% (0)—100%(255) : the
			percentage of the value
129	Long button time after	0.2s(1s)60s	Set the time for long press
130	Short button operation toggled	-(NO)	Enable/disable the toggle
		-YES	function for short press
131	Toggled brightness of the short	-(0%(0))100%(255)	Send another percentage
	operation		value when short press,
			toggle between two of
			them
132	Long button operation toggled	-(NO)	Enable/disable the toggle
		-YES	function for long press
133	Toggled brightness of the long	-(0%(0))100%(255)	Send another percentage
	operation		value when long press,
			toggle between two of
			them
134	Delay for short operation	(0)255	Set the delay time for
	(0255s)		short press
135	Delay for long operation (0255s)	(0)255	Set the delay time for long
			press
136	The operation time interval: base	(10ms)1hour	These two parameters are
			setting the time interval of
			repeat operation dry
			contact, the time is
			base*factor.
137	Factor[1255]-	(1)255	These two parameters are
	>time=base*factor		setting the time interval of
			repeat operation dry
			contact, the time is
			base*factor.





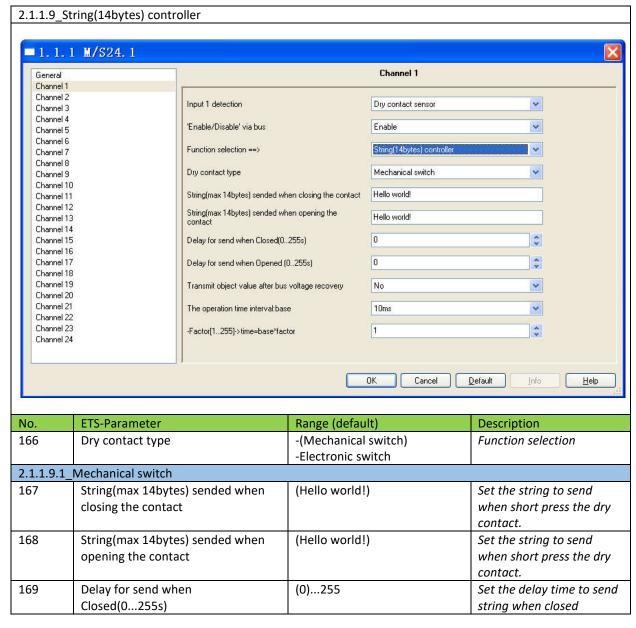
setting the time interval of



		1	
			repeat operation dry
			contact, the time is
			base*factor.
147	Factor[1255]->time=base*factor	(1)255	These two parameters are
			setting the time interval of
			repeat operation dry
			contact, the time is
			base*factor.
2.1.1.8.2	Electronic switch		2000 1000011
148	The normally contact status is	-Closed	Set the dry contact's
140	The normally contact status is	-(Open)	normal status when have
		-(Open)	no operation.
			Close: the contact's normal
			status is closed.
			Open: the contact's normal
	<u> </u>		status is open.
149	Reaction when short button	-Invalid	Set the threshold value
	operation	-(1byte threshold)	type for short press.
		-2bytes threshold	
150	Threshold value(0255)	(0)255	When short press, will send
			the threshold value
151	Threshold value(065535)	(0)65535	Set the threshold value of
			2byte
152	Reaction when long button operation	-Invalid	Set the threshold value
		-(1byte threshold)	type for long press
		-2bytes threshold	,, ,
153	Threshold value(0255)	(0)255	When long press, will send
			the threshold value
154	Threshold value(065535)	(0)65535	Set the threshold value of
		(0)	2byte
155	Long button time after	0.2s(1s)60s	Set time for long press
156	Short button operation toggled	-(NO)	Whether toggle the
130	Short satton operation toggica	-YES	threshold value when short
			press
			No: do not toggle the
			threshold value when short
			press
			Yes: will toggle the
			threshold value when short
45-		(0) 255	press
157	Toggled threshold(0255) of the	(0)255	Send another threshold
	short operation		value when short press,
			toggle between two of
			them
158	Toggled threshold(065535) of the	(0)65535	Send another threshold
	short operation		value when short press,
			toggle between two of
			them
159	Long button operation toggled	-(NO)	Enable/disable the toggle
		-YES	function for long press
160	Toggled threshold(0255) of the long	(0)255	Send another threshold
	operation		value when long press,
			toggle between two of
			them
161	Toggled threshold(065535) of the	(0)65535	Send another threshold
101	long operation	(0)03333	value when long press,
	iong operation	1	value which folig picos,



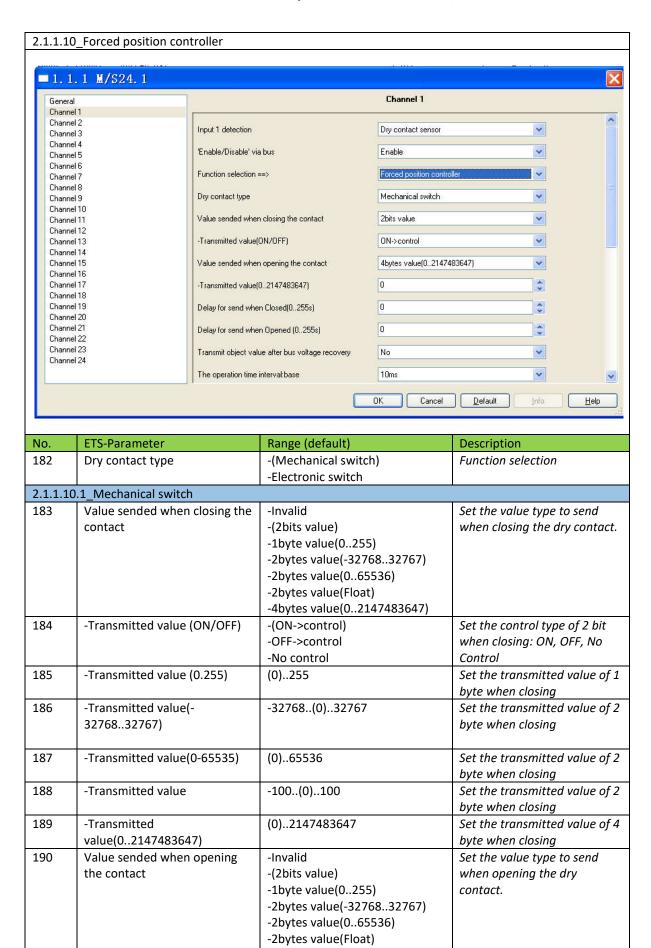
			toggle between two of them
162	Delay for short operation (0255s)	(0)255	Set the delay time for short press
163	Delay for long operation (0255s)	(0)255	Set the delay time for long press
164	The operation time interval: base	(10ms)1hour	These two parameters are setting the time interval of repeat operation dry contact, the time is base*factor.
165	Factor[1255]->time=base*factor	(1)255	These two parameters are setting the time interval of repeat operation dry contact, the time is base*factor.





170	Delay for send when Opened	(0)255	Set the delay time to send
170	(0255s)	(0)233	string when opened
171	Transmit object value after bus	-(NO)	Whether transmit object
1/1	-	-YES	value after bus voltage
	voltage recovery	-123	_
			recovery.
			NO: do not transmit object
			value after bus voltage
			recovery.
			YES: will transmit object
			value after bus voltage
			recovery.
172	The operation time interval: base	(10ms)1hour	These two parameters are
			setting the time interval of
			repeat operation dry
			contact, the time is
			base*factor.
173	Factor[1255]->time=base*factor	(1)255	These two parameters are
			setting the time interval of
			repeat operation dry
			contact, the time is
			base*factor.
2.1.1.9.2	2_Electronic switch		
174	The normally contact status is	-Closed	Set the dry contact's
		-(Open)	normal status when have
			no operation.
			Close: the contact's
			normal status is closed.
			Open: the contact's
			normal status is open.
175	String(max 14bytes) sended when	(Hello world!)	Set the string to send
	short button operation		when short press the dry
			contact.
176	String(max 14bytes) sended when	(Hello world!)	Set the string to send
	long button operation	,	when long press the dry
	Teng a diese in a personal		contact
177	Long button time after	0.2s(1s)60s	Set the time for long press
178	Delay for short operation (0255s)	(0)255	Set the delay time to send
	- 5.0., 15. 5 5 6 (5555)	(0)	string for short press
179	Delay for long operation (0255s)	(0)255	Set the delay time to send
1,3	25.47 10. 10.15 0 per 4.1011 (0.12553)	(3)233	string for long press
180	The operation time interval: base	(10ms)1hour	These two parameters are
100	The operation time interval. base	(±01113)±11001	setting the time interval of
			repeat operation dry
			contact, the time is
			base*factor.
101	Footowid 2001 >+i base*foot	(1) 255	
181	Factor[1255]->time=base*factor	(1)255	These two parameters are
			setting the time interval of
			repeat operation dry
			contact, the time is
			base*factor.





-4bytes value(0..2147483647)

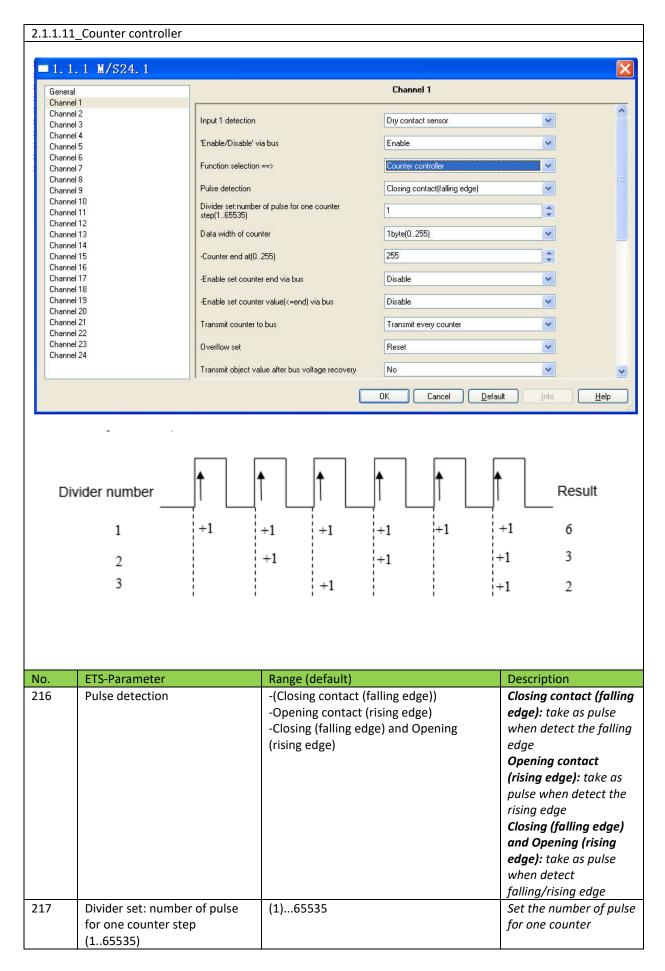


191	-Transmitted value (ON/OFF)	-ON->control	Set the control type of 2 bit
151	-Hallstilltled value (ON/OFF)	-(OFF->control)	when closing: ON, OFF, No
		-No control	Control
192	-Transmitted value (0.255)	(0)255	Set the transmitted value of 1
132	-Halisilitted value (0.233)	(0)233	byte when closing
193	-Transmitted value(-	-32768(0)32767	Set the transmitted value of 2
193	3276832767)	-32708(0)32707	byte when closing
	3270832707)		byte when closing
194	-Transmitted value(0-65535)	(0)65536	Set the transmitted value of 2
		(0)	byte when closing
195	-Transmitted value	-100(0)100	Set the transmitted value of 2
		, ,	byte when closing
196	-Transmitted	(0)2147483647	Set the transmitted value of 4
	value(02147483647)		byte when closing
197	Delay for send when Closed	(0)255	Set the delay time to send the
	(0255s)		value when closing
198	Delay for send when Opened	(0)255	Set the delay time to send the
	(0255s)		value when opening
199	Transmit object value after bus	-(NO)	Whether transmit object
	voltage recovery	-YES	value after bus voltage
			recovery.
			NO : do not transmit object
			value after bus voltage
			recovery.
			YES : will transmit object value
			after bus voltage recovery.
200	The operation time interval:	(10ms)1hour	These two parameters are
	base		used to set the time interval
			of repeat operation, the time
			interval = base*factor.
201	Factor[1255]-	(1)255	These two parameters are
201	>time=base*factor	(1)233	used to set the time interval
			of repeat operation, the time
			interval = base*factor.
			, moon and one of the control of the
2.1.1.1	0.2_Electronic switch		
202	The normally contact status is	Closed/(Open)	Set the dry contact's normal
			status when have no
			operation.
			Close: the contact's normal
			status is closed.
			Open: the contact's normal
			status is open.
203	Value when short button	-Invalid	Set the value type to send
	operation	-(2bits value)	when short press
		-1byte value(0255)	
		-2bytes value(-3276832767)	
		-2bytes value(065536)	
		-2bytes value(Float)	
264	T 10 1 1 (0) (0-5)	-4bytes value(02147483647)	
204	-Transmitted value (ON/OFF)	-(ON->control)	Set the control type of 2 bit
		-OFF->control	when closing: ON, OFF, No
205	T	-No control	Control
205	-Transmitted value (0.255)	(0)255	Set the transmitted value of 1
			byte when closing



206	-Transmitted value(- 3276832767)	-32768(0)32767	Set the transmitted value of 2 byte when closing
207	-Transmitted value(0-65535)	(0)65536	Set the transmitted value of 2 byte when closing
208	-Transmitted value	-100(0)100	Set the transmitted value of 2 byte when closing
209	-Transmitted value(02147483647)	(0)2147483647	Set the transmitted value of 4 byte when closing
210	Value when long button operation	-Invalid -(2bits value) -1byte value(0255) -2bytes value(-3276832767) -2bytes value(065536) -2bytes value(Float) -4bytes value(02147483647)	Set the value type to send when short press
211	Long button time after	0.2s(1s)60s	Set time for long-press, define the long press by end-user
212	Delay for short operation (0255s)	(0)255	Set the delay time to send the value for short press
213	Delay for long operation (0255s)	(0)255	Set the delay time to send the value for long press
214	The operation time interval: base	(10ms)1hour	These two parameters are used to set the time interval of repeat operation, the time interval = base*factor.
215	Factor[1255]- >time=base*factor	(1)255	These two parameters are used to set the time interval of repeat operation, the time interval = base*factor.





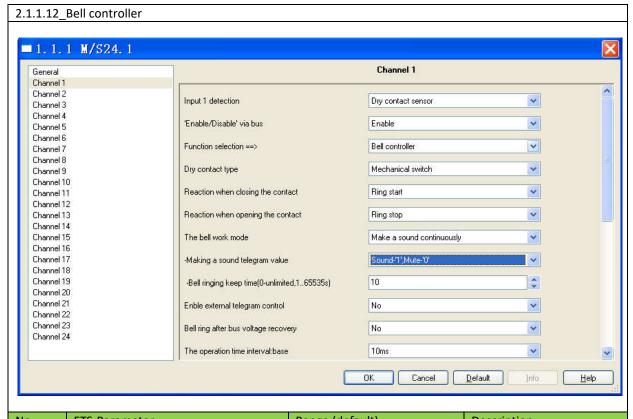


218	Data width of counter	-(1byte value(0255))	Set the data width of
		-2bytes value(065536)	counter
		-4bytes value(02147483647)	
219	-Counter end at (0255)	0(255)	Set the end of the
			counter
220	-Counter end at	0(65535)	Set the end of the
	(065535)		counter
221	-Counter end at	0(100000)2147483647	Set the end of the
	(02147483647)		counter
222	Counter end at(0255)	0(255)	Set the end of the
			counter
223	-Enable set counter end via	-(Disable)	Whether set the end of
	bus	-Enable	counter via bus
			Enable: you can set the
			end of counter via bus
			Disable: you cannot set
			the end of counter via
224	Facility and accounts of	(Disable)	bus
224	-Enable set counter value	-(Disable)	Whether set the
	(<=end) via bus	-Enable	starting counter via
			bus.
			Enable: you can set the starting counter via
			bus.
			Disable: you can't set
			the starting counter via
			bus.
225	Transmit counter to bus	-Don't transmission	Don't transmission:
223	Transmit counter to bus	-(Transmit every counter)	don't transmit any
		-Transmit counter cyclically	counter to bus.
		, , , , , , , , , , , , , , , , , , , ,	Transmit every
			counter: transmit every
			counter to bus
			Transmit counter
			cyclically: transmit the
			counter to bus cyclically
226	-Counter value transmitted	-(1sec)	These two parameters
	time: base	-1min	are used to set the time
		-1hour	interval of
			transmission, the time
			interval = base*factor.
227	Factor[1255]-	(1)255	These two parameters
	>time=base*factor		are used to set the time
			interval of
			transmission, the time
222	10	(0) 255	interval = base*factor.
228	Counter Transmitted number	(0)255	Set the number of the
220	(1255, 0-unlimited)	(Decet)	counter to transmit
229	Overflow set	-(Reset)	Reset: will reset the
		-Reset and Alarm	counter when overflow. Reset and Alarm: will
		-Stop and Alarm	reset the counter and
1		-Stop and Alarm	
			alarm when overflow Stop : will stop the
			counter when overflow.
			Stop and Alarm: will
			Stop una Alaini. Will



			stop the counter and alarm when overflow.
230	Transmit object value after bus voltage recovery	-(NO) -YES	Whether transmit object value after bus voltage recovery. NO: do not transmit object value after bus voltage recovery. YES: it will transmit object value after bus voltage recovery.
231	The operation time interval: base	(10ms)1hour	These two parameters are setting the time interval of repeat operation dry contact, the time is base*factor.
232	Factor[1255]- >time=base*factor	(1)255	These two parameters are setting the time interval of repeat operation dry contact, the time is base*factor.





No.	ETS-Parameter	Range (default)	Description
233	Dry contact type	-(Mechanical switch)	Function selection
		-Electronic switch	
2.1.1.12	2.1_Mechanical switch		
234	Reaction when closing the contact	-Invalid	Set the output control type
		-(Ring start)	when closing
		-Ring stop	
		-Ring toggle	
235	Reaction when opening the contact	-Invalid	Set the output control type
		-Ring start	when opening
		-(Ring stop)	
		-Ring toggle	
236	The bell work mode	-(Make a sound continuously)	Set the working mode of
		-Make a sound brokenly	the bell
237	-Making a sound telegram value	-(Sound-'1', Mute-'0')	Send the telegrams to
		-(Sound-'0',Mute-'1')	control the sound
238	-Bell ringing keep time(0-	1(10)65535	Set the time for the bell
	unlimited,165535s)		ringing
239	-Sound duration (1255s)	(1)255	Set the time for sound
			duration
240	-Mute duration (1255s)	(1)255	Set the time for mute
			duration
241	-Ring times (0-unlimited,1255)	1(5)255	Set the ring time
242	Enable external telegram control	-(No)	Enable/Disable external
		-Yes	telegram control
			No: cannot send the
			external telegram to
			control
			Yes: can send the external
			telegram to control

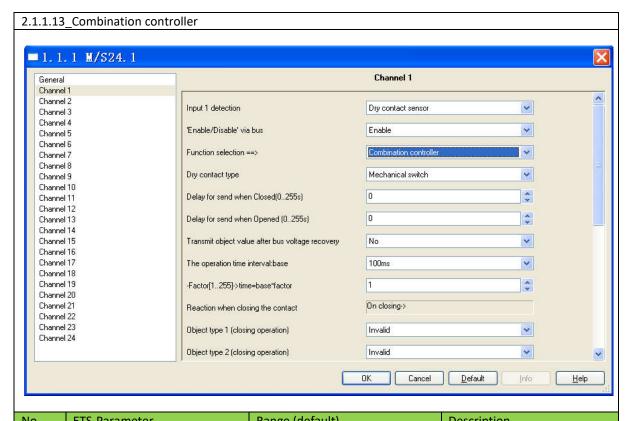


242	External tologram control mode	Ding start (1) Ding stan (0)	Cat the outernal talears
243	-External telegram control mode	-Ring start-'1', Ring stop-'0' -Ring start-'0', Ring stop-'1'	Set the external telegram control mode
		-Ring start-'0'/'1'	Control mode
		-Ring start- 0 / 1 -Ring stop- '0' /' 1'	
244	Bell ring after bus voltage	-(No)	Whether the bell ring after
2-1-1	recovery	-Yes	bus voltage recovery
	1 coorery		No: the bell won't ring
			after bus voltage recovery
			Yes: the bell will ring after
			bus voltage recovery
245	The operation time interval: base	-(10ms)	These two parameters are
	'	-100ms	setting the time interval of
		-1sec	repeat operation dry
		-1min	contact, the time is
		-1hour	base*factor.
246	Factor[1255]->time=base*factor	(1)255	These two parameters are
			setting the time interval of
			repeat operation dry
			contact, the time is
			base*factor.
	2_Electronic switch	l	
247	The normally contact status is	-Closed	Set the dry contact
		-(Open)	normally status when has
			no operation.
			Close: the contact status is
			closed.
			Open: the contact status is
248	Reaction when short button	-Invalid	Set the control type when
248	operation	-(Ring start)	short press the button
	Operation	-Ring start)	short press the button
		-Ring toggle	
249	Reaction when long button operation	-Invalid	Set the control type when
243	Redection when long button operation	-Ring start	long press the button
		Tillig Start	
		-(Ring ston)	
		-(Ring stop)	Tong process are assess.
250	Long button time after	-Ring toggle	
250 251	Long button time after The bell work mode	-Ring toggle 0.2(1)60	Set time for long press
250 251		-Ring toggle	
	The bell work mode	-Ring toggle 0.2(1)60 -Make a sound continuously -Make a sound brokenly	Set time for long press Set the working mode of the bell
251		-Ring toggle 0.2(1)60 -Make a sound continuously	Set time for long press Set the working mode of the bell Send the telegrams to
251	The bell work mode	-Ring toggle 0.2(1)60 -Make a sound continuously -Make a sound brokenly -(Sound-'1', Mute-'0')	Set time for long press Set the working mode of the bell
251 252	The bell work mode -Making a sound telegram value	-Ring toggle 0.2(1)60 -Make a sound continuously -Make a sound brokenly -(Sound-'1', Mute-'0') -(Sound-'0', Mute-'1')	Set time for long press Set the working mode of the bell Send the telegrams to control the sound
251 252	The bell work mode -Making a sound telegram value -Bell ringing keep time(0-	-Ring toggle 0.2(1)60 -Make a sound continuously -Make a sound brokenly -(Sound-'1', Mute-'0') -(Sound-'0', Mute-'1')	Set time for long press Set the working mode of the bell Send the telegrams to control the sound Set the time for the bell
251 252 253	The bell work mode -Making a sound telegram value -Bell ringing keep time(0-unlimited,165535s)	-Ring toggle 0.2(1)60 -Make a sound continuously -Make a sound brokenly -(Sound-'1', Mute-'0') -(Sound-'0', Mute-'1') 1(10)65535	Set time for long press Set the working mode of the bell Send the telegrams to control the sound Set the time for the bell ringing
251 252 253	The bell work mode -Making a sound telegram value -Bell ringing keep time(0-unlimited,165535s)	-Ring toggle 0.2(1)60 -Make a sound continuously -Make a sound brokenly -(Sound-'1', Mute-'0') -(Sound-'0', Mute-'1') 1(10)65535	Set time for long press Set the working mode of the bell Send the telegrams to control the sound Set the time for the bell ringing Set the time for sound
251 252 253 254	The bell work mode -Making a sound telegram value -Bell ringing keep time(0- unlimited,165535s) -Sound duration (1255s)	-Ring toggle 0.2(1)60 -Make a sound continuously -Make a sound brokenly -(Sound-'1', Mute-'0') -(Sound-'0', Mute-'1') 1(10)65535	Set time for long press Set the working mode of the bell Send the telegrams to control the sound Set the time for the bell ringing Set the time for sound duration
251 252 253 254	The bell work mode -Making a sound telegram value -Bell ringing keep time(0- unlimited,165535s) -Sound duration (1255s)	-Ring toggle 0.2(1)60 -Make a sound continuously -Make a sound brokenly -(Sound-'1', Mute-'0') -(Sound-'0', Mute-'1') 1(10)65535	Set time for long press Set the working mode of the bell Send the telegrams to control the sound Set the time for the bell ringing Set the time for sound duration Set the time for mute
251 252 253 254 255	The bell work mode -Making a sound telegram value -Bell ringing keep time(0- unlimited,165535s) -Sound duration (1255s) -Mute duration (1255s)	-Ring toggle 0.2(1)60 -Make a sound continuously -Make a sound brokenly -(Sound-'1', Mute-'0') -(Sound-'0', Mute-'1') 1(10)65535 (1)255	Set time for long press Set the working mode of the bell Send the telegrams to control the sound Set the time for the bell ringing Set the time for sound duration Set the time for mute duration
251 252 253 254 255 256	The bell work mode -Making a sound telegram value -Bell ringing keep time(0- unlimited,165535s) -Sound duration (1255s) -Mute duration (1255s) -Ring times (0-unlimited,1255)	-Ring toggle 0.2(1)60 -Make a sound continuously -Make a sound brokenly -(Sound-'1', Mute-'0') -(Sound-'0', Mute-'1') 1(10)65535 (1)255 1(5)255	Set time for long press Set the working mode of the bell Send the telegrams to control the sound Set the time for the bell ringing Set the time for sound duration Set the time for mute duration Set the ring time
251 252 253 254 255 256	The bell work mode -Making a sound telegram value -Bell ringing keep time(0- unlimited,165535s) -Sound duration (1255s) -Mute duration (1255s) -Ring times (0-unlimited,1255)	-Ring toggle 0.2(1)60 -Make a sound continuously -Make a sound brokenly -(Sound-'1', Mute-'0') -(Sound-'0', Mute-'1') 1(10)65535 (1)255 (1)255 -(No)	Set time for long press Set the working mode of the bell Send the telegrams to control the sound Set the time for the bell ringing Set the time for sound duration Set the time for mute duration Set the ring time Enable/Disable external
251 252 253 254 255 256	The bell work mode -Making a sound telegram value -Bell ringing keep time(0- unlimited,165535s) -Sound duration (1255s) -Mute duration (1255s) -Ring times (0-unlimited,1255)	-Ring toggle 0.2(1)60 -Make a sound continuously -Make a sound brokenly -(Sound-'1', Mute-'0') -(Sound-'0', Mute-'1') 1(10)65535 (1)255 (1)255 -(No)	Set time for long press Set the working mode of the bell Send the telegrams to control the sound Set the time for the bell ringing Set the time for sound duration Set the time for mute duration Set the ring time Enable/Disable external telegram control
251 252 253 254 255 256	The bell work mode -Making a sound telegram value -Bell ringing keep time(0- unlimited,165535s) -Sound duration (1255s) -Mute duration (1255s) -Ring times (0-unlimited,1255)	-Ring toggle 0.2(1)60 -Make a sound continuously -Make a sound brokenly -(Sound-'1', Mute-'0') -(Sound-'0', Mute-'1') 1(10)65535 (1)255 (1)255 -(No)	Set time for long press Set the working mode of the bell Send the telegrams to control the sound Set the time for the bell ringing Set the time for sound duration Set the time for mute duration Set the ring time Enable/Disable external telegram control No: cannot send the external telegram to control
251 252 253 254 255 256	The bell work mode -Making a sound telegram value -Bell ringing keep time(0- unlimited,165535s) -Sound duration (1255s) -Mute duration (1255s) -Ring times (0-unlimited,1255)	-Ring toggle 0.2(1)60 -Make a sound continuously -Make a sound brokenly -(Sound-'1', Mute-'0') -(Sound-'0', Mute-'1') 1(10)65535 (1)255 (1)255 -(No)	Set time for long press Set the working mode of the bell Send the telegrams to control the sound Set the time for the bell ringing Set the time for sound duration Set the time for mute duration Set the ring time Enable/Disable external telegram control No: cannot send the external telegram to control Yes: can send the external
251 252 253 254 255 256	The bell work mode -Making a sound telegram value -Bell ringing keep time(0- unlimited,165535s) -Sound duration (1255s) -Mute duration (1255s) -Ring times (0-unlimited,1255)	-Ring toggle 0.2(1)60 -Make a sound continuously -Make a sound brokenly -(Sound-'1', Mute-'0') -(Sound-'0', Mute-'1') 1(10)65535 (1)255 (1)255 -(No)	Set time for long press Set the working mode of the bell Send the telegrams to control the sound Set the time for the bell ringing Set the time for sound duration Set the time for mute duration Set the ring time Enable/Disable external telegram control No: cannot send the external telegram to control



258	-External telegram control mode	-Ring start-'1', Ring stop-'0' -Ring start-'0', Ring stop-'1' -Ring start-'0'/'1' -Ring stop- '0'/'1'	Set the external telegram control mode
259	The operation time interval: base	-(10ms) -100ms -1sec -1min -1hour	These two parameters are setting the time interval of repeat operation dry contact, the time is base*factor.
260	Factor[1255]->time=base*factor	(1)255	These two parameters are setting the time interval of repeat operation dry contact, the time is base*factor.





No.	ETS-Parameter	Range (default)	Description
261	Dry contact type	-(Mechanical switch)	Function selection
		-Electronic switch	
2.1.1.12	2.1_Mechanical switch		
262	Delay for send when Closed	(0)255	Set the delay time to send
	(0255s)		telegram when closing
263	Delay for send when Opened	(0)255	Set the delay time to send
	(0255s)		telegram when opening
264	Transmit object value after bus	-(NO)	Whether transmit object
	voltage recovery	-YES	value after bus voltage
			recovery.
			NO: do not transmit object
			value after bus voltage
			recovery.
			YES : will transmit object value
			after bus voltage recovery.
265	The operation time interval:	10ms(100ms)1hour	These two parameters are
	base		used to set the time interval
			of repeat operation, the time
			interval = base*factor.
266	Factor[1255]-	(1)255	These two parameters are
	>time=base*factor		used to set the time interval
			of repeat operation, the time
		<i>(</i> , , , ,)	interval = base*factor.
267	Object type 1-10 (closing	-(Invalid)	it can send several control
	operation)	-Switch controller	telegrams simultaneously
		-Shutter controller	when closing.
		-Scene controller	Set the control objects' type
		-Sequence controller	here
		-Percentage controller	
		-Threshold controller	
		-String (14bytes) controller	



268	-Switch value	-Toggle -(ON) -OFF	Toggle: It will invert the last time's value then send it out. ON: The value it will send is 1. OFF: The value it will send is 0.
269	-Shutter value	-Toggle -(UP) -DOWN	Toggle: it will send move up/down telegram UP: it will send move up telegram Down: it will send move down telegram
270	-Scene value	-(Scene NO.01)Scene NO.64	Set the output scene number
271	-Scene toggled	-(NO)	Enable/disable the toggle
		-YES	function for scene control
272	-Toggled scene NO. is	-Scene NO.01(Scene NO.02)Scene NO.64	Set another output scene number, toggle between two of them to send out
273	-Sequence value	-Toggle -(Start) -Stop	Toggle: It will invert the last time's value then send it out Start with"1": The value it will send is 1 to start the sequence. Stop with"0": The value it will send is 0 to stop the sequence.
274	-Percentage value	0%(0)(100%(255))	Set the output percentage value
275	-Brightness toggled	-(NO) -YES	Enable/disable the toggle function for percentage control
276	-Toggled brightness is	(0%(0))100%(255)	Set another output percentage value, toggle between two of them to send out
277	-Threshold value type	-(1byte threshold) -2bytes threshold	Set the threshold control type
278	-Threshold (0255) value	0(255)	Set the threshold value
279	-Threshold(065535) value	0(1000)65535	Set the threshold value
280	-Threshold toggled	-(NO)	Enable/disable the toggle
281	-Toggled threshold (0255) is	-YES 0(255)	function for threshold control Set another output threshold value, toggle between two of them to send out
282	-String (14bytes) value	(Hello world!)	Set the output string content
283	Object type 1-10 (opening operation)	-(Invalid) -Switch controller -Shutter controller -Scene controller -Sequence controller -Percentage controller -Threshold controller -String (14bytes) controller	it can send several control telegrams simultaneously when opening. Set the control objects' type here
284	-Switch value	-Toggle -(ON) -OFF	Toggle: It will invert the last time's value then send it out. ON: The value it will send is 1.



			OFF : The value it will send is
			0.
			0.
285	-Shutter value	-Toggle	Toggle: it will send move
203	Shatter value	-(UP)	up/down telegram
		-DOWN	UP: it will send move up
			telegram
			Down: it will send move down
			telegram
289	-Scene value	-(Scene NO.01)Scene NO.64	Set the output scene number
290	-Scene toggled	-(NO)	Enable/disable the toggle
		-YES	function for scene control
291	-Toggled scene NO. is	-Scene NO.01(Scene	Set another output scene
		NO.02)Scene NO.64	number, toggle between two
			of them to send out
292	-Sequence value	-Toggle	Toggle: It will invert the last
		-(Start)	time's value then send it out
		-Stop	Start with"1": The value it
			will send is 1 to start the
			sequence.
			Stop with"0": The value it will
			send is 0 to stop the
293	-Percentage value	0%(0)(100%(255))	sequence. Set the output percentage
293	-reiteiltage value	0/0(0)(100/0(233))	value value
294	-Brightness toggled	-(NO)	Enable/disable the toggle
		-YES	function for percentage
			control
295	-Toggled brightness is	(0%(0))100%(255)	Set another output
			percentage value, toggle
			between two of them to send
296	-Threshold value type	-(1byte threshold)	out Set the threshold control type
290	-Till estiola value type	-2bytes threshold	Set the threshold control type
297	-Threshold (0255) value	0(255)	Set the threshold value
298	-Threshold(065535) value	0(1000)65535	Set the threshold value
299	-Threshold toggled	-(NO)	Enable/disable the toggle
		-YES	function for threshold control
300	-Toggled threshold (0255) is	0(255)	Set another output threshold
			value, toggle between two of
		6. 11	them to send out
301	-String (14bytes) value	(Hello world!)	Set the output string content
	2.2_Electronic switch	Closed//Orses	Cot the driver that
302	The normally contact status is	Closed/(Open)	Set the dry contact's normal status when have no
			operation.
			Close: the contact's normal
			status is closed.
			Open: the contact's normal
			status is open.
303	Long button time after	0.2s(1s)60s	Set time for long-press, define
			the long press by end-user
304	Delay for short operation	(0)255	Set the delay time to send out
	(0255s)		telegram for short press
305	Delay for long operation	(0)255	Set the delay time to send out
	(0255s)		telegram for long press



306	The operation time interval: base	10ms(100ms)1hour	These two parameters are used to set the time interval of repeat operation, the time interval = base*factor.
307	Factor[1255]- >time=base*factor	(1)255	These two parameters are used to set the time interval of repeat operation, the time interval = base*factor.
308	Object type 1-10 (short operation)	-(Invalid) -Switch controller -Shutter controller -Scene controller -Sequence controller -Percentage controller -Threshold controller -String (14bytes) controller	it can send several control telegrams simultaneously when short press. Set the control objects' type here
309	-Switch value	-Toggle -(ON) -OFF	Toggle: It will invert the last time's value then send it out. ON: The value it will send is 1. OFF: The value it will send is 0.
310	-Shutter value	-Toggle -(UP) -DOWN	Toggle: it will send move up/down telegram UP: it will send move up telegram Down: it will send move down telegram
311	-Scene value	-(Scene NO.01)Scene NO.64	Set the output scene number
312	-Scene toggled	-(NO) -YES	Enable/disable the toggle function for scene control
313	-Toggled scene NO. is	-Scene NO.01(Scene NO.02)Scene NO.64	Set another output scene number, toggle between two of them to send out
314	-Sequence value	-Toggle -(Start) -Stop	Toggle: It will invert the last time's value then send it out Start with"1": The value it will send is 1 to start the sequence. Stop with"0": The value it will send is 0 to stop the sequence.
315	-Percentage value	0%(0)(100%(255))	Set the output percentage value
316	-Brightness toggled	-(NO) -YES	Enable/disable the toggle function for percentage control
317	-Toggled brightness is	(0%(0))100%(255)	Set another output percentage value, toggle between two of them to send out
318	-Threshold value type	-(1byte threshold) -2bytes threshold	Set the threshold control type
319	-Threshold (0255) value	0(255)	Set the threshold value



320	-Threshold(065535) value	0(1000)65535	Set the threshold value
321	-Threshold toggled	-(NO)	Enable/disable the toggle
		-YES	function for threshold control
322	-Toggled threshold (0255) is	0(255)	Set another output threshold
			value, toggle between two of
			them to send out
323	-String (14bytes) value	(Hello world!)	Set the output string content
324	Object type 1-10 (long	-(Invalid)	it can send several control
	operation)	-Switch controller	telegrams simultaneously
		-Shutter controller	when long press.
		-Scene controller	Set the control objects' type
		-Sequence controller	here
		-Percentage controller	
		-Threshold controller	
		-String (14bytes) controller	
325	-Switch value	-Toggle	Toggle: It will invert the last
		-(ON)	time's value then send it out.
		-OFF	ON : The value it will send is 1.
			OFF : The value it will send is
			0.
326	-Shutter value	-Toggle	Toggle: it will send move
		-(UP)	up/down telegram
		-DOWN	UP: it will send move up
			telegram
			Down: it will send move down
			telegram
327	-Scene value	-(Scene NO.01)Scene NO.64	Set the output scene number
328	-Scene toggled	-(NO)	Enable/disable the toggle
220	T. I. I. NO.:	-YES	function for scene control
329	-Toggled scene NO. is	-Scene NO.01(Scene	Set another output scene
		NO.02)Scene NO.64	number, toggle between two
220	Companyalua	Taggle	of them to send out Toggle: It will invert the last
330	-Sequence value	-Toggle -(Start)	time's value then send it out
		-Stop	Start with"1": The value it
		-3top	will send is 1 to start the
			sequence.
			Stop with"0": The value it will
			send is 0 to stop the
			sequence.
331	-Percentage value	0%(0)(100%(255))	Set the output percentage
		(-)()/()/	value
332	-Brightness toggled	-(NO)	Enable/disable the toggle
		-YES	function for percentage
			control
333	-Toggled brightness is	(0%(0))100%(255)	Set another output
		, , ,	percentage value, toggle
			between two of them to send
			out
334	-Threshold value type	-(1byte threshold)	Set the threshold control type
		-2bytes threshold	
335	-Threshold (0255) value	0(255)	Set the threshold value
336	-Threshold(065535) value	0(1000)65535	Set the threshold value
337	-Threshold toggled	-(NO)	Enable/disable the toggle
		-YES	function for threshold control
338	-Toggled threshold (0255) is	0(255)	Set another output threshold



			value, toggle between two of them to send out
339	-String (14bytes) value	(Hello world!)	Set the output string content

D. Communication Objects ('Electronic switch' adjustment)

D. 0 General

Number Name	Object Function	Description Group Addresses	Length	C	R	₩	T	U	Data Type	Priority	
⊒‡0 General	Heartbeat telegram send "0"		1 bit	С	-	-	T	-		Low	
⊒‡1 General	Heartbeat telegram send "1"		1 bit	C	R R	W	T	U		Low	
⊒‡2 General	Heartbeat telegram send "0" an		1 bit	Ĺ	K	W	1	U		Low	
NO.	Objectname	Function	Fla	igs					Data typ	oe .	
0	General	Heartbeat telegram send	С	Т					DPT 1.0	03	
		'0'							1bit		
This commur	nication object is 'Heartbeat tele	gram'. When set '0', will ser	nd the	teleg	ra	m١	va	lue	'0' cycli	cally	
1	General	Heartbeat telegram send	С	CRWTU					DPT 1.003		
		'1'							1bit		
This commur	nication object is 'Heartbeat tele	gram'. When set '1', will ser	nd the	teleg	ra	m '	va	lue	'1' cycli	cally	
2	General	Heartbeat telegram	C F	RWT	U				DPT1.00)3	
		send'0' and '1'							1bit		

D. 1 Dry contact sensor

Number	Name		Object Function		Description	Group Add	resses	Length	CR	W	T '	U Da	ta Type	Priority
⊒ ‡ 0 ⊒ ‡ 10	General Input 1		Heartbeat telegram send '1'-Enable/'0'-Disable	"0"				1 bit 1 bit	C -	– W	T -			Low Low
11 12 12	•	(short)	Switching Switching					1 bit 1 bit	c - c -		T U	_		Low Low
NO.		Object	name	Functio	n		Flags	5		Da	ita	type	e	
10 Input 1		l	'1' -Enable/'0'-Disable C		C W			DPT 1.003						
										1bit				
This c	ommı	ınicatioı	n object is enable/d	lisable for	r Input 1. \	When it	receiv	es teleg	ram '1	', tl	ne I	npu	it 1 fu	ınction
is ena	ıble; w	hen it r	eceives telegram '0'	, the Inp	ut 1 functi	on is dis	able.							
11		Input 1	L(short)	Switchi	ng		CW	TU		DF	PT 1	L.00	1	
										1b	it			
12		Input 1	L(long)	Switchi	ng		CW	TU		DF	T1	.001	L	
										1b	i+			



Number	Name	Object Function	Description Group	Addresses	Length	C	R W	T	U Data	а Туре	Priority
⊒ ‡0	General	Heartbeat telegram send "0"	1/1/1		1 bit	_		Т -			Low
□ ☐ 10	Input 1	'1'-Enable/'0'-Disable			1 bit						Low
■ 12	Input 1	Dimming			4 bit	С -	-	Т -	-		Low
· · ·	Ohia	-t	F					D-			
NO.	Obje	ctname	Function	Fla	ags			Da	ıta typ	эе	
NO. 12	Obje Input		Function Dimming	Fla					ta typ		

Number :	Name	Object Function		Description	Group Addresses	Length	C R W T U	Data Type
1 3	eneral nput 1	Heartbeat telegr '1'-Enable/'0'-D			1/1/1	1 bit 1 bit	C - T - C - W	
1 3	input 1 (short) input 1 (long)	Adjust for shutt Move for shutter				1 bit 1 bit	C - W T U	
NO.	Objectname	2	Function		Flags		Data type	
11	Input 1(sho	rt)	Adjust forshut	ter(Inc)	CWTU		DPT 1.007 1 bit	
12	2 Input 1(long) Move		Move forshutt	ove forshutter(Toggle) C W T U			DPT 1.008 1 bit	

Number Name		Object Function	De	escription Group A	ddresses	Length	C R	₩	T	U Data	Type	Priority
■# 0 Gener	al	Heartbeat telegram send "0"	Y	1/1/1		1 bit	c -	-	T	-		Low
Input Input	1	'1'-Enable/'0'-Disable				1 bit	C -	Ψ	-	-		Low
III Input Input	1	Flexible				1 bit	C -	Ψ	T	U		Low
NO.	Objectnar	me	Function	l	Flags			D	ata	type		
11	Input 1		Flexible		CWTU			DPT 1.001				
								1	bit	t		
		biect is flexible cont				:II I & -	1		_			

Juject	s 'Scene contr	ollei										
Number	Name	Object Function	Description	Group Addresses	Length	C	R	Ψ	T	U	Data Type	Priority
⊒ ‡ 0	General	Heartbeat telegram send "0"		1/1/1	1 bit	С	-	-	T	-		Low
⊒ 2 10	Input 1	'1'-Enable/'0'-Disable			1 bit	С	-	Ψ	-	-		Low
⊒ ‡11	Input 1 (short)	Call scene			1 Byte	С	_	W	T	U		Low
■ 2 12	Input 1 (long)	Scene dimming			4 bit	С	_	-	T	_		Low



NO.	Objectname	Function	Flags	Data type
11	Input 1(short)	Call scene	CWTU	DPT 18.001
				1 byte
12	Input 1(long)	Scene dimming	СТ	DPT 3.007
				4 bit

These communication objects are scene control, when you short/long press the Input 1, will send telegram to call scene or scene dimming.

Object	s 'Se	quencecor	ntroller'									
Number	Name		Object Function	Description	Group Ad	dresses	Length	C	R W	T	U Data Type	Priority
⊒ ‡ 0	Gener:	al	Heartbeat telegram send "	0"	1/1/1		1 bit	C ·		T	-	Low
⊒ ≓10	Input	1	'1'-Enable/'0'-Disable				1 bit	C ·	- W	-	-	Low
⊒ ‡ 11	Input	1 (short)	Sequence				1 bit	C ·	- W	T	Ū	Low
■ 12	Input	1 (long)	Sequence				1 bit	C ·	- W	T	U	Low
NO.		Objectna	me	Function		Flags				Da	ta type	
11		Input 1(s	hort)	Sequence						DF	T 1.010	
						C W	T U			1 k	oit	
12		Input 1(lo	ong)	Sequence								

These communication objects are sequence control, when short/long press Input 1, will sends the telegram to control sequence.

Object	s 'Percentage	controller'								
Number	Name	Object Function		Description	Group Addresses	Length	C R W	T U	Data Type	Priority
⊒ ‡ 0	General	Heartbeat telegram sen	d "0"		/1/1	1 bit	C	T -		Low
⊒ ‡ 10	Input 1	'1'-Enable/'0'-Disable				1 bit	C - W			Low
⊒ ‡ 11	Input 1 (short)	Sequence				1 bit	C - W	T U		Low
□ ₹12	Input 1 (long)	Sequence				1 bit	C - W	T U		Low
NO.	Objectna	ame	Function	1	Flags		Data	type		
11	Input 1(s	short)	Percenta	age			DPT	5.001	_	
					CWTU	J	1 by	te		
12	Input 1(I	ong)	percenta	age						

These communication objects are percentage control, when short/long press Input 1, will send telegram to control percentage.

Number	Name	Object Function		Description 0	roup Addresses	Length	C :	R W	T U	Data Type	Priority
⊒ ‡ 0	General	Heartbeat telegram		1	/1/1	1 bit	С -		T -		Low
□ ₹10	Input 1	'1'-Enable/'0'-Disa	able			1 bit	C -				Low
□ ‡ 11 □ ‡ 12	Input 1 (short) Input 1 (long)	Threshold(1byte) Threshold(1byte)				1 Byte 1 Byte	C -	- W	I U		Low Low
NIO	Object	20000	Function		Flores)ata	+,,,,,,		
NO.	Object i	name	Function		Flags			Data	type	<u> </u>	
					Flags						
NO. 11	Object i		Threshol		Flags C W T l	J		PT 5	5.004		
						J			5.004		
		short)	Threshol	d			1	PT 5	5.004	4	

Objects	'String (14bytes) controller'

threshold.



Number Nam		Object Function	Description	Group A	Addresses	Length	C	R W	T	U	Data Type	Priority
⊒‡ 0 Gene	ral	Heartbeat telegram send "0"		1/1/1		1 bit	С		T	-		Low
⊒ ‡ 10 Inpu	: 1	'1'-Enable/'0'-Disable				1 bit	С	– W	-	-		Low
⊒ 11 Inpu	1 1	String(14bytes) value				14 Byte	C		T	-		Low
1	Input 1(short)	String(14 bytes)	value	С	T			DP.	Γ1	6.000	
.1	liiput 1(SHOLL)	String(14 bytes)	value		1			р 2 b			
									2 D	yte	5	
hese com	munication	objects are string co	ontrol, when shou	rt/lons	press	input 1. v	vill s	enc	te	leg	ram to d	control

Number Na	ne	Object Function		Description	Group Ad	ldresses	Length	C R	W	T U	Data Type	Priority
□ 2 10 Inp □ 2 11 Inp □ 2 12 Inp	ut 1 ut 1 (closed) ut 1 (opened)	Heartbeat telegram send "0 '1'-Enable/'0'-Disable Forced value(2bits) Forced value(2bits)	в		1/1/1		1 bit 1 bit 2 bit 2 bit	C - C - C -	— ·	r - r u		Low Low Low Low
NO.	Objectna	me	Functio	on		Flags			Dat	a ty	/pe	
11	Input 1(c	losed)	Forced	value					DP	Γ2.0	001	
		,	(2bits)			C W T	· U		2bi	t		
12	Input 1(o	ppened)	Forced	value		C W T	· 11		DP	Γ2.0	001	
			(2bits)			C VV I	U		1 b	it		

Number	Name		Object Function		Description	Group Ad	ldresses	Length	C	R	I	U	Data Type	Priority
⊒ ‡ 0	Gener	al	Heartbeat telegram send '	0"		1/1/1		1 bit	С -		T	-		Low
⊒ ‡ 10	Input	1	'1'-Enable/'0'-Disable					1 bit	С -	- W	-	-		Low
⊒ ‡ 11	Input	1	Counter (0255)					1 Byte	С -	- W	T	U		Low
⊒ ‡ 12	Input	1	Set counter end(0255)					1 Byte	С -	- W	-	U		Low
⊒ ‡ 13	Input	1	Set counter(0255)					1 Byte	С -	- W	-	U		Low
NO.		Objectna	me	Functio	nn .		Flags				Dat	ta t	уре	
110.		Objectifia	iiic	Turicuic	711		Tiags			_	Da	ta t	урс	
11		Input 1		Counte	er (0255)		C W	ΤU			DP.	T 5	.004	
											1 b	vte	1	
										_		,	-	
12		Input 1		Set cou	ınter						DP.	T 5	.004	
				end(0	255)		C W	U			1 L			
				cha(o	.233)						1 b	yte		
13		Input 1		Set cou	ınter (02	55)					DP.	T 5	.004	
_		1				,	C W	U				_		
											1 b	vte	<u> </u>	

Number	Name	Obje	ct Function	Des	scription Gr	oup Addresse	es Length	C	R	Ψ	T	U Data Typ	e Priority
⊒ ‡0	General	Heart	beat telegram send "0"		1/1	/1	1 bit	С	-	-	T	-	Low
⊒ ‡ 10	Input 1	'1'-E	nable/'0'-Disable				1 bit	С	-	Ψ	-	-	Low
⊒2 11	Input 1	11'-9	Sound/'0'-Mute				1 bit	C	-	-	T	-	Low
⊒ ‡12	Input 1	'0/1'	-Ring start				1 bit	С	-	W	-	-	Low

the No.12 to set the end of the counter and control No.13 to set the counter



11	Input 1	'1'-Sound/'0'-Mute	СТ	DPT 1.001 1 byte
12	Input 1	'0/1'-Ring start	c w	DPT 1.010 1 byte

These communication objects are bell control, when send telegram value, can control the bell, such as, send '1' the bell will sound; send '0' the bell will mute; send '0/1', the ring will start.

Number Name	Object Function	Description Group Addresse	es Length CR	W T U Data Type Priority
12 Input 1	Heartbeat telegram send '1'-Enable/'0'-Disable (short) COMB OBJ1 switching (short) COMB OBJ2 shutter	"0" 1/1/1	1 bit	T - Low T - Low
1 4	(long) COMB OBJ2 shutter (long) COMB OBJ3 scene		1 Byte C 1 bit C 1 bit C 1 bit C 1 bit C 1 Byte C 1 bit C	
NO.	Object name	Function	Flags	Data type
11		COMB OBJ1	СТ	DPT 1.001
	Input1(short)	switching		1 bit
14		COMB OBJ2	СТ	DPT 1.008
		shutter		1 bit
		COMB OBJ3	СТ	DPT 18.001
		scene		1 byte
		COMB OBJ4	СТ	DPT 1.010
		sequence		1 bit
	•	ination control, it includes swit		•
percentage,	thereshold, string. When yo	ou short press, will send out the	e control telegram	
NO.	Object name	Function	Flags	Data type
15	Input 1(long)	COMB OBJ1	СТ	DPT 1.001
		switching		1 bit
18		COMB OBJ2	СТ	DPT 1.008
		shutter		1 bit
		COMB OBJ3	СТ	DPT 18.001
		scene		1 byte
		COMB OBJ4	СТ	DPT 1.010

Objects 'Combination controller'



Number	Name	Object Function	Description Group Addresses	Length CRW	T U Data Type Priority
□ ♯0 □ ♯10	General Input 1	Heartbeat telegram send"0" '1'-Enable/'0'-Disable	1/1/1	1 bit	T - Low Low
<u>⊒</u> ≓11	Input 1 (short			1 bit C	T - Low
⊒ ‡ 12	Input 1 (short			1 bit C	T - Low
■ द्री 13 ■ द्री 14	Input 1 (short Input 1 (short			1 bit C 1 Byte C	T - Low T - Low
⊒ ‡15	Input 1 (long)	COMB OBJ1 shutter		1 bit C	T - Low
⊒ ‡ 16 ⊒ ‡ 17	Input 1 (long) Input 1 (long)	-		1 bit C 1 bit C	T - Low T - Low
⊒⊒18	Input 1 (long)			1 Byte C	T - Low
NO.	(Object name	Function	Flags	Data type
11			COMB OBJ1	СТ	DPT 1.008
	1	nput1(short)	Shutter		1 bit
14			COMB OBJ2	СТ	DPT 1.001
			switching		1 bit
			COMB OBJ3	СТ	DPT 1.010
			sequnece		1 bit
			COMB OBJ4	СТ	DPT 18.001
			scene		1 byte
		•	ition control, it includes switch short press, will send out the		•
NO.		Object name	Function	Flags	Data type
15	-	nput 1(long)	COMB OBJ1	C T	DPT 1.008
	'		shutter		1 bit
18			COMB OBJ2	СТ	DPT 1.001
			switching		1 bit
			COMB OBJ3	СТ	DPT 1.010
			sequence		1 bit
			COMB OBJ4	СТ	DPT 18.001
			scene		1 byte

percentage, thereshold, string. When you long press, will send out the control telegram.

Object	ts 'Comb	inatior	n controller'							
Number	Name		Object Function	Descript:	ion Group Addresses	Length	C R W	T U	Data Type	Priority
⊒ ‡ 0	General		Heartbeat telegram send "0"		1/1/1	1 bit	c	т -		Low
⊒ ≓10	Input 1		'1'-Enable/'0'-Disable			1 bit	C − ₩			Low
⊒ ‡ 11	Input 1 (sh		COMB OBJ1 scene			1 Byte	C	Т -		Low
■ 2 12	Input 1 (sł		COMB OBJ2 sequence			1 bit	C	Т -		Low
⊒ ‡ 13	Input 1 (sh		COMB OBJ3 switching			1 bit	C	Т -		Low
	間14 Input 1 (short) COMB OBJ4 shutter				1 bit	c	Т -		Low	
15 Input 1 (long) COMB OBJ1 scene				1 Byte	c	T -		Low		
□ 2 16	Input 1 (lo		COMB OBJ2 sequence			1 bit	C	T -		Low
⊒द्म17 ⊒द्म18	Input 1 (lo Input 1 (lo		COMB OBJ3 switching COMB OBJ4 shutter			1 bit 1 bit	C	1 -		Low Low
NO.		Obje	ct name	Function		Flags		Dat	a type	
11		0.0,0	00.110.110	COMB OBJ	1	C T			18.001	
11				COIVID ODJ.	L	` '				
		Input	t1(short)	scene				1 b	/te	
14				COMB OBJ	2	СТ		DP1	1.010	
				sequence				1 bi	t	
				COMB OBJ	3	СТ		DP1	1.001	
				switching				1 bi	t	
				COMB OBJ4	1	СТ		DPT	1.008	
				shutter				1 bi	t	
These	commur	nicatio	n objects are combina	tion control.	it includes swit	ch. shutte	er. scene	. sea	uence.	

percentage, thereshold, string. When you short press, will send out the control telegram.



NO.	Object name	Function	Flags	Data type
15	Input 1(long)	COMB OBJ1	СТ	DPT 18.001
		scene		1 byte
18		COMB OBJ2	СТ	DPT 1.010
		sequnece		1 bit
		COMB OBJ3	СТ	DPT 1.001
		switching		1 bit
		COMB OBJ4	СТ	DPT 1.008
		shutter		1 bit

These communication objects are combination control, it includes switch, shutter, scene, sequence, percentage, thereshold, string. When you long press, will send out the control telegram.

Number	Name		Object Function	Description	Group Addresse:	s Length	C R V	U T V	Data Type	Priority
210 2110 2111 212 213 214 215 216 217 218	General Input 1	(short) (short) (short) (long) (long) (long)	Heartbeat telegram send "0" '1'-Enable/'0'-Disable COME OBJ1 sequence COME OBJ3 shutter COME OBJ4 switching COME OBJ4 sequence COME OBJ1 sequence COME OBJ3 shutter COME OBJ3 shutter COME OBJ3 shutter COME OBJ4 switching		1/1/1	1 bit 1 bit 1 bit 1 bit 1 Byte 1 bit	C C - W C C C	T - T - T - T - T - T - T - T - T - T -		Low
NO.		Object		Function		Flags		Data	type	
11		-		COMB OBJ1		СТ		DPT 1	1.010	
		Input1	(short)	sequence				1 bit		
14				COMB OBJ2		СТ		DPT 1	18.001	
				scene				1 byt	e	
				COMB OBJ3		СТ		DPT 1	1.008	
				shutter				1 bit		
				COMB OBJ4		СТ		DPT 1	1.001	
				switching				1 bit		
			objects are combinat d, string. When you sl	· ·				seque	nce,	
NO.		Object	name	Function		Flags		Data	type	
15		Input 2	I(long)	COMB OBJ1		СТ		DPT 1	1.010	
				sequence				1 bit		
18				COMB OBJ2		СТ		DPT 1	8.001	
				scene				1 byt	e	
				COMB OBJ3		СТ		DPT 1	1.008	
				shutter				1 bit		
				COMB OBJ4		СТ		DPT 1	1.001	

percentage, thereshold, string. When you long press, will send out the control telegram.

Objects 'Combination controller'



Number	Name	Object Function	Description Group Addresses	Length CRWT	U Data Type Priority
■常0 ■常10	General Input 1	Heartbeat telegram send "0" '1'-Enable/'0'-Disable	1/1/1	1 bit	- Low - Low
⊒ 4 10	Input 1 (short)	COMB OBJ1 percentage		1 Byte C T	- Low
⊒ ‡ 12	Input 1 (short)	COMB OBJ2 threshold(0255)		1 Byte C T	- Low
⊒ ‡ 13 ⊒ ‡ 14	Input 1 (short)	COMB OBJ3 String(14bytes)		14 Byte C T 1 Byte C T	- Low - Low
⊒ң 14 ⊒ ≓ 15	Input 1 (short) Input 1 (long)	COMB OBJ4 percentage COMB OBJ1 percentage		1 Byte C T	- Low
⊒ ‡ 16	Input 1 (long)	COMB OBJ2 threshold(0255)		1 Byte C T	- Low
□ ‡ 17 □ ‡ 18	Input 1 (long) Input 1 (long)	COMB OBJ3 String(14bytes) COMB OBJ4 percentage		14 Byte C T 1 Byte C T	- Low - Low
n ei1ο	Input I (Iong)	COME OBJ4 percentage		I byte C I	- Low
NO.	Objec	t name	Function	Flags	Data type
11			COMB OBJ1	СТ	DPT 5.001
	Input	1(short)	percentage		1 byte
14			COMB OBJ2	СТ	DPT 5.004
		-	threshold(0255)		1 byte
			COMB OBJ3	СТ	DPT 16.000
		-	String(14bytes)		14 byte
			COMB OBJ4	СТ	DPT 5.001
			percentage		1 byte
		•	ation control, it includes switch short press, will send out the c		equence,
NO.		t name	Function	Flags	Data type
15		1(long)	COMB OBJ1	C T	DPT 5.001
	Input	I(long)	percentage		1 byte
18		-	COMB OBJ2	СТ	DPT 5.004
			threshold(0255)		1 byte
			COMB OBJ3	СТ	DPT 16.000
			String(14bytes)		14 byte
			COMB OBJ4	СТ	DPT 5.001
	1		percentage	1	1 byte

These communication objects are combination control, it includes switch, shatter, seeme, sequence,
percentage, thereshold, string. When you long press, will send out the control telegram.

Number	Name	Object Function	Description	Group Addresses	Length		C 1	R W	T	U	Data Type	Priority
⊒ ‡ 0	General	Heartbeat telegram send "0"		1/1/1	1 bit		С -	-	T	-		Low
⊒ ‡ 10	Input 1	'1'-Enable/'0'-Disable			1 bit		C -	W	-	-		Low
⊒ ‡ 11	Input 1 (short) COMB OBJ1 threshold(0255)			1 Byte		C -	-	T	-		Low
⊒ ‡ 12	Input 1 (short				14 Byte	•	C -	-	T	-		Low
⊒ ‡13	Input 1 (short				1 Byte		C -	-	T	-		Low
⊒ ‡14	Input 1 (short				1 Byte		C -	-	T	-		Low
⊒ 2 15	Input 1 (long)				1 Byte		c -	-	T	-		Low
⊒ ‡ 16	Input 1 (long)				14 Byte	•	C -	-	T	-		Low
⊒ द्री 17 ⊒ द्री 18	Input 1 (long) Input 1 (long)				1 Byte 1 Byte		c -	_	T	_		Low Low
NO.	Obje	ect name	Function			Flag	S				Data typ	e
11			COMB OBJ1			C	Τ				DPT 5.00)4
	Inpu	ut1(short)	threshold(025	55)							1 byte	
14			COMB OBJ2			C	Τ				DPT 16.0	000
			String(14bytes)								14 bytes	
			COMB OBJ3			C .	Τ				DPT 5.00)1
			percentage								1 byte	
		ı							_			
			COMB OBJ4			C .	Т				DPT 5.00)4

These communication objects are combination control, it includes switch, shutter, scene, sequence, percentage, thereshold, string. When you short press, will send out the control telegram.



NO.	Object name	Function	Flags	Data type
15	Input 1(long)	COMB OBJ1	СТ	DPT 5.004
		Threshold(0255)		1 byte
18		COMB OBJ2	СТ	DPT 16.000
		String(14 bytes)		14 bytes
		COMB OBJ3	СТ	DPT 5.001
		Percentage		1 byte
		COMB OBJ4	СТ	DPT 5.004
		Threshold(0255)		1 byte

These communication objects are combination control, it includes switch, shutter, scene, sequence, percentage, thereshold, string. When you long press, will send out the control telegram.

Number Name	Mi	Function	Description	Group Addresses	Length	l cl	R W	TII	Doto Tre-	Priority
wumber wame ⊒‡0 Gener		runction eat telegram send "O"	Description	1/1/1	1 bit	С		T -	Data Type	Low
⊒210 Input		able/'0'-Disable			1 bit	C	- W			Low
		BJ1 String(14bytes) BJ2 percentage			14 Byte 1 Byte	C		T -		Low Low
		3J3 threshold(0255)			1 Byte	C		T -		Low
⊒‡14 Input	1 (short) COMB O	BJ4 String(14bytes)			14 Byte	С		T -		Low
		BJ1 String(14bytes) BJ2 percentage			14 Byte 1 Byte	C		T -		Low Low
⊒⊒17 Input	-	BJ3 threshold(0255)			1 Byte	č		T -		Low
18 Input	: 1 (long) COMB OI	3J4 String(14bytes)			14 Byte	C		T -		Low
NO.	Object name	Fund	tion		Fla	gs		Data	a type	
11		COM	1B OBJ1		С	Т		DPT	16.000	
	Input1(short)	Strir	ng(14bytes)					14 k	yte	
14		COM	1B OBJ2		С	Т		DPT	5.001	
		perd	entage					1by	te	
		COM	1B OBJ3		С	Т			5.004	
		thre	shold(0255)				1 by	rte	
		COM	1B OBJ4		С	Т		DPT	16.000)
		L	ng(14bytes)					14 k	·	
	_	ects are combination	-		•			seque	ence,	
percentag	e, thereshold, st	ring. When you sho	ort press, will	send out the o	control	teleg	ram.	•		
NO.	Object name	Func	tion		Fla	gs		Data	a type	
15	Input 1(long)	COM	1B OBJ1		С	Т		DPT	16.000	
		Strir	ng(14bytes)					14 k	yte	
18		COM	1B OBJ2		С	Т		DPT	5.001	
		perc	entage					1by	te	
			1B OBJ3		С	Т		DPT	5.004	
		thre	shold(0255)				1 by	rte	
		COM	1B OBJ4		С	Т		DPT	16.000)
			ng(14bytes)							

percentage, thereshold, string. When you long press, will send out the control telegram.



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