

INSPRID

PROGRAMMER MANUAL

ORIGIN SERIE



Table of contents

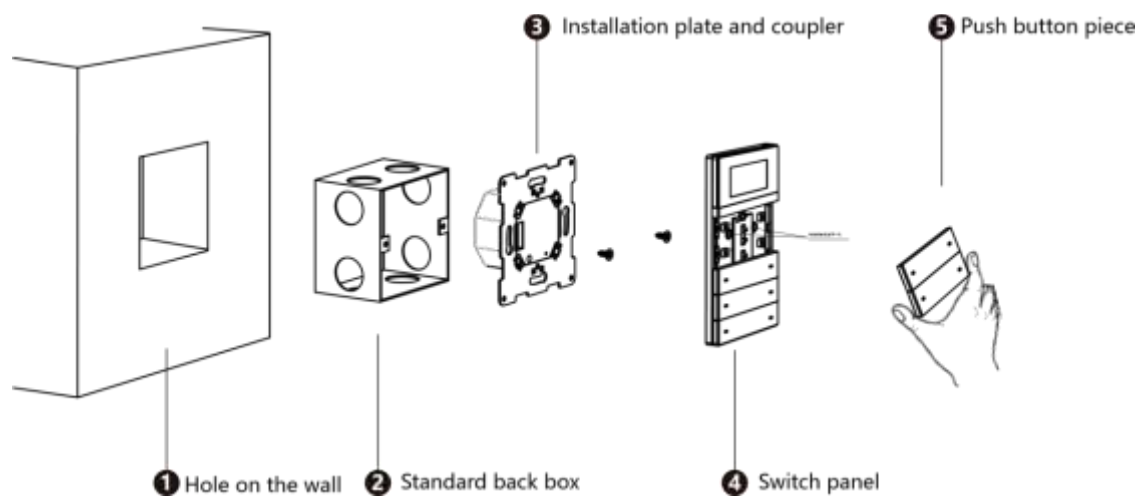
Electrical features	3
Size and installation.....	3
Functionality guideline	5
Lighting control:.....	6
Temperature control:.....	6
Order button:.....	6
Accessibility:.....	6
Settings for temperature:.....	7
Icons description	8
Parameters' setting in ETS.....	9
Chose of equipement	9
Switch panel with display:	10
Rockers' settings.....	12
« Rocker switch X mode» 1-Button.....	12
« Rocker switch X mode» 2-Buttons.....	29
"LED rocker X left/right"	40

Electrical features

Power supply Bus voltage 2-3 DC of EIB
Current <1 m
Low voltage <36m
Connection EIB/KNX
End connection Diameter 0.8mm²

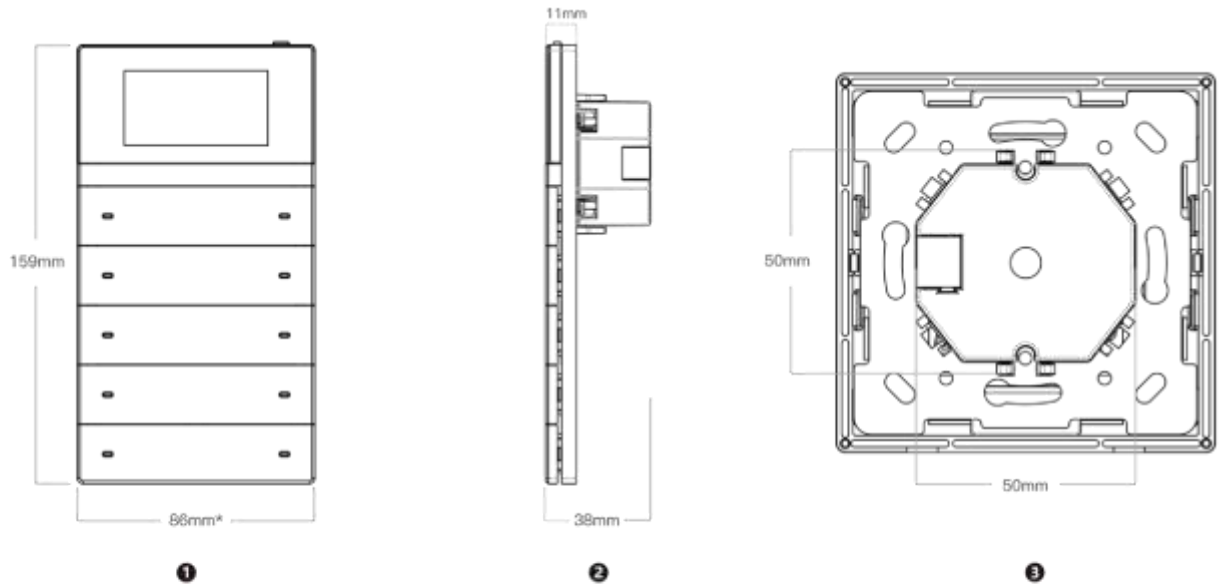
Installation Method Standard box 80*80mm/ 86*86mm
Range of Exploitation -5°C...+45°C
temperature Stock -25°C...+55°C
Color Gold Silver Black

Size and installation



1. Before installation, separate ③ the coupler's metal plate from ④ the switch panel (tips: push the plastic buckle when separating and pull out)
2. Rip away 5mm from the Twisted Pair cable and insert into KNX socket, and insert the KNX socket on the coupler ③.

3. Fix ③ the metal plate and coupler into the ② install box, adjust ③ the metal plate position. Using two M4*30 screws (please using enclosed screws because other screws maybe get higher caps) to fix the metal plate.



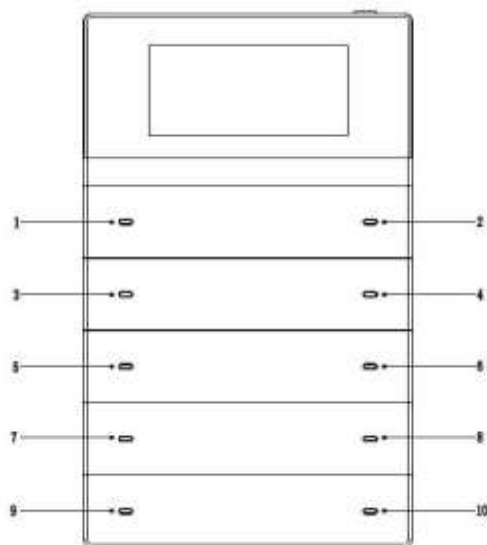
- ① Front view (* : 93mm frame models height and width are 93mm*159mm)
- ② Side view
- ③ Back view

Push ④ the switch panel into ③ the metal plate for initial installation test.
Design and debug the application after initial test installation to complete the installation.

Functionality guideline

Equipment classification: combination between display screens, trizone climatic control and control of 5 independent functions.

Push buttons from top to bottom and from left to right, no 1,2,3,4



Common functionalities of the buttons: switching, dimming, curtain, scenes, step by step, multiple operations, sending according to the length of the pressure, transmission of the control values, temperature modes (comfort, anti-frost, standby and night).

Model Golden **G** Silvery **S** Black **B**

No frame models



C15T-N-G
C15T-N-B
C15T-N-S

Frame models



C15T-B-G
C15T-B-B
C15T-B-S

Important

- Installation and debugging can be only operated by qualified electrician. In the process of planning and implementation of electrical installation, the relevant standards, directives, regulations and instructions must be strictly enforced.
- To avoid the device being dirty and damaged during the process of transport, storage and using.
- Do not run the device beyond the specified technical standards (e.g. temperature range).
- When cleaning the device, only use dry cleaning cloth. Never use an alkaline agent or corrosive solvents.

Lighting control:

Lighting control allows switching or dimming.

64 scenes can be selected, one button matches one scene.

Other functions can also be selected according to the situation.

Blinds and curtains can be controlled as well.

Temperature control:

The switch panel provides controls of air-conditioning and heating, parameters and measures of the temperature, 4 modes (comfort, standby, night and anti-frost). It provides up to 5 levels of control for fans, a control 1bit and 1byte for the output, with storage of the base temperature, heat and cold according to the control of the equipment used.

Order button:

Only for devices with temperature control. To define the order, press the button on the top of the switch panel. Once you press it, you enter in the setting mode. Press the button used for the heating settings (which involves switching heat/cold, speed of the fan, etc.). To exit that page press again the order button or simply wait.

Accessibility:

Every switch panel includes 5 channels of auxiliary optional functions.

In every channel you have a large range of options to configure, such as:

- The delay function which allows the button or another object to have a delay in the communication.
- Staircase function with the buttons used to control the lights in the staircase.
- Scenes function includes 8 groups of scenes, every group can control up to 8 devices, 4 different formats of data for communication objects. Can also gather the scene button with other scenes.
- Sequential control sends to the same device several values of order control.

- Predefined value sends a value of a predefined control after pressing.
- Flash function; it is possible to create a flash effect after reception of a telegram.

Settings for temperature:

	Setting ① Output ② On/off
1 ① Temperature -	2 ① Temperature +
3 ① Comfort/other ② Auto/manual	4 ① fan 'speed ② Heat/Cold

① Short press

② Long press

A short press on the order button allows to go in the parameters of the temperature. To exit that mode just press again the order button. In case of power failure, the data regulation will not be saved and will go back to the set point temperature.

Inside settings of the temperature: first button allows you to adjust the setpoint temperature down and on the other side the second button allows you to set it up. The third button, a short press is to switch from one mode to another from comfort to standby and a long press will commute automatic/manual (cooling and heating) but to select "switchover heating/cooling" in the page, the settings "general controller" have to be set "via object" . A short press on button 4 will adjust the speed of the fan while a long press will commute the operating mode (cooling and heating) but it has to be in manual mode. Finally a long press on the order button closes the control of the temperature.

A long press of the order button allows to enter in the settings of the parameter and the temperature will be kept on this configuration (even after power failure i.e.). It will be saved as the user' s preferences. A long press is necessary to exit this mode.

	Setting ① Nul ② Output
1 ① Temperature -	2 ① Temperature +
3 ① Heating/Cooling	4 ① Operating mode

① Short press


② Long press


The first button adjust predefined temperature down and the second one up.


Short press on third button commutes the cooling.


Short press on button 4 commutes operating modes (such as comfort, standby, night and anti-frost).

Icons description

 Comfort: This icon shows a comfortable model, when someone is in the room we can enable this mode via the bus or by pressing the button.

 Standby: This icon shows that you are in saving energy mode; when people left the room but the change in temperature is not high.


 Night: this mode has a temperature below comfort mode. Note: don't set this temperature too low to avoid a difference too big with the temperature of the comfort mode. The risk otherwise would be that the next morning you can't reach the temperature of the comfort mode.

 Anti-frost: this mode turns on when temperature is below anti-frost protection (for heating) or when it is above thermal protection (for cooling). It guarantees that the room is not over warming or freezing.



This icon also appears when short pressing the order button. It will stay until you leave the setting mode.

 Cooling; when the control of the temperature is in cooling this icon appears.

 Heating; when the control of the temperature is in heating, this icon appears.

 Refrigeration, automatic mode.

M Refrigeration, manual mode.

 AUTO  Ventilation « auto »: control of the ventilation speed automatically, according the temperature or manual control. The grid represent the speed of the fan (up to 5 speeds).

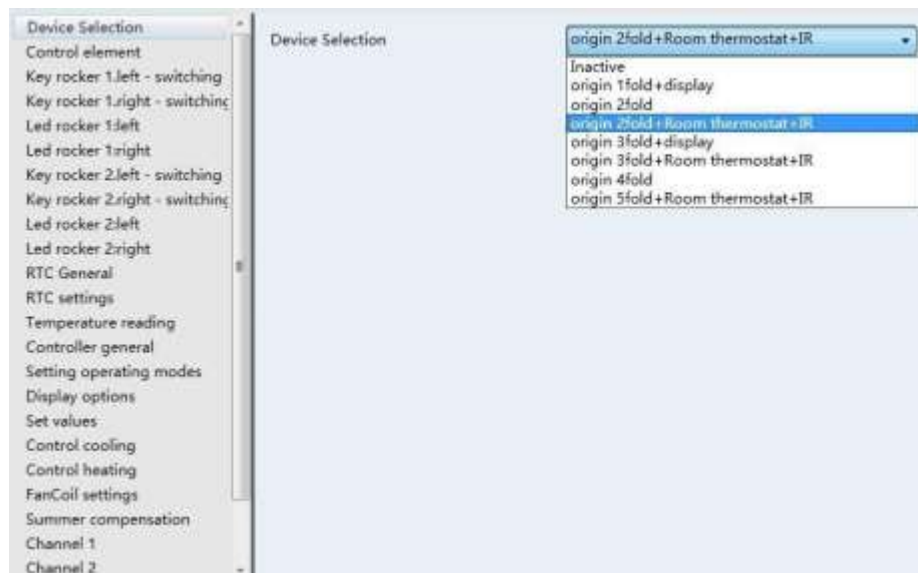
Parameters' setting in ETS

Chose of equipement

From top to bottom:

- 1 fold and display
- 2 folds (with or without thermostat)
- 3 folds and display or thermostat
- 4 folds
- 5 folds with thermostat

According to your panel, select the appropriate module.



Switch panel with display:

The display allows only a partial configuration.

1.6.51 Insprid Origin Panel Switch > Control element		
Device Selection	Control element	<input checked="" type="radio"/> Active <input type="radio"/> Inactive
Control element	Rocker switch 1 mode	Inactive
Led rocker 1:left	Rocker switch 2 mode	Inactive
Led rocker 1:right	Rocker switch 3 mode	Inactive
Led rocker 2:left	Sensor choice	Temperature and Humidity
Led rocker 2:right	Temperature units of measurement	<input checked="" type="radio"/> Celsius(C) <input type="radio"/> Fahrenheit(F)
Led rocker 3:left	Cycle send time for humidity (s)	10
Led rocker 3:right	Humidity object type	<input checked="" type="radio"/> 1-byte 0..100% <input type="radio"/> 2-byte float
Channel 1	Cycle time for sending of the actual temperature (s)	25
Channel 2	Send measured values	<input type="radio"/> only cyclical <input checked="" type="radio"/> additional for change of value
Channel 3	Temperature difference for sending within cycle time (1/10K)	1
Channel 4	Display function	Alternating Temperature/Humidity
Channel 5	Time for alternating RH/T (s)	3
	Back light	100%

Only the panel with display provides the display of the temperature and humidity. The temperature, humidity as well as the related functions can be used as a measuring module of the temperature.

“Display function” with option “Alternating Temperature/Humidity” :

Will display temperature and humidity alternately.

If you select “Temperature” in “Sensor choice” , the screen will display the value of the temperature and activate the communication object 2 bytes “Temperature sensor.0 – output” that will send the temperature and the communication object 1 bit “Temperature sensor.1 – Alarm” which will be for temperature reading error reports.

If you select “Humidity” , the screen will display only the humidity and activate the communication object 2 bytes “Humidity sensor.0-report” which sends the value of humidity.

When you choose the alternating display, the panel will activate the three objects above.

Parameter “Temperature units of measurement” :

You have the choice to display the temperature in Celsius (C) or Fahrenheit (F).

Parameter “Cycle send time for humidity(s)” :

It allows you to change the cyclical sending time of humidity on the bus. Range between 25 and 65535. Unit: seconds.

Parameter “Cycle time for sending the actual temperature (s)” :

It allows you to change the cyclical sending time of temperature. Range between 10 and 65535. Unit: seconds.

Parameter “Time for alternating RH/T (s)” :

It defines the time interval of the display alternating between temperature and humidity (only in the case if you selected the alternating RH/T). Range between 3 and 600. Unit: seconds.

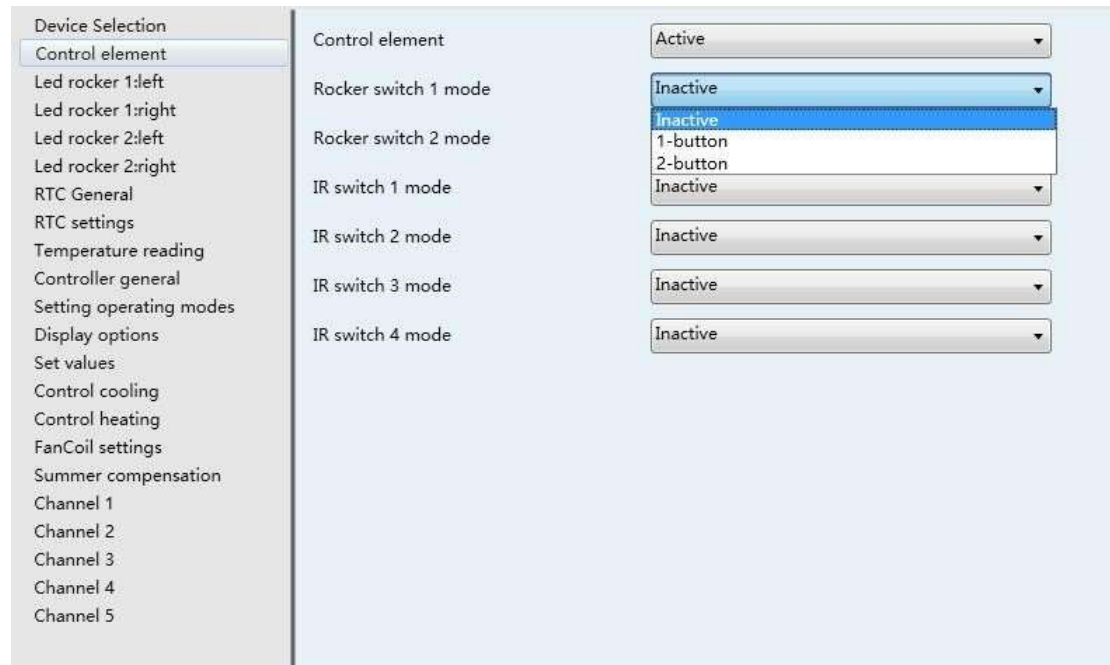
Parameter “Back light” :

Option between 10% and 100% defines the brightness of the screen’ s backlight.

Rockers' settings

« Rocker switch X mode» 1-Button

The configuration "1 button" for a separated control of the rocker.



Option: "1-Button" , "2-buttons" , "inactive"

If you select "inactive" this range of buttons is deactivated. If you select "1 button" the keys work independently. They can be monitored individually and act on different modules. If you select "2 buttons" the keys are linked and monitor the same units.

Configuration left/right of a rocker when selected 1 button.

Device Selection	Control element	Active
Control element	Rocker switch 1 mode	1-button
Key rocker 1.left - switching	Rocker switch 1 left	1-button switching
Key rocker 1.right - switching	Rocker switch 1 right	1-button switching
RTC General	Rocker switch 2 mode	1-button dimming
RTC settings	Rocker switch 2 right	1-button blind
Temperature reading	Rocker switch 3 mode	1-button value transmitter
Controller general	Rocker switch 4 mode	1-button value transmitter,2 object
Setting operating modes	Rocker switch 5 mode	1-button light scene extension unit with memory
Display options	IR switch 1 mode	1-button step switch
Set values	IR switch 2 mode	1-button multiple operation
Channel 1	IR switch 3 mode	1-button short-long operation
Channel 2	IR switch 4 mode	1-button operating mode
Channel 3	Rocker switch LED light	Inactive
Channel 4	Day/Night mode	Inactive
Channel 5		Inactive
		Inactive
		Inactive
		Inactive
		Always light
		deactivated

A total of 10 choices are possible, including switching, dimming, curtains, scenes, etc...

1-button - Switching

Select this option to activate the communication object 1 bit "Rocker switch x x Switching" .

Device Selection	Reaction on rising edge	on
Control element	Reaction on falling edge	on
Key rocker 1.left - switching		
Key rocker 1.right - switching		
RTC General		
RTC settings		
Temperature reading		
Controller general		
Setting operating modes		
Display options		
Set values		
Channel 1		
Channel 2		
Channel 3		
Channel 4		
Channel 5		

This option can configure the reaction of the panel when pressing and releasing the rocker.

Parameter "Reaction on rising/falling edge"

Options:

- On
- Off
- Alternating On/Off
- Deactivated

Select "On" when the communication object has to send a logic 1 to the bus.

Select "Off" when the communication object has to send a logic 0 to the bus.

Select "Alternating On/Off" when the communication object has to send alternaly a logic 1 and 0 to the bus.

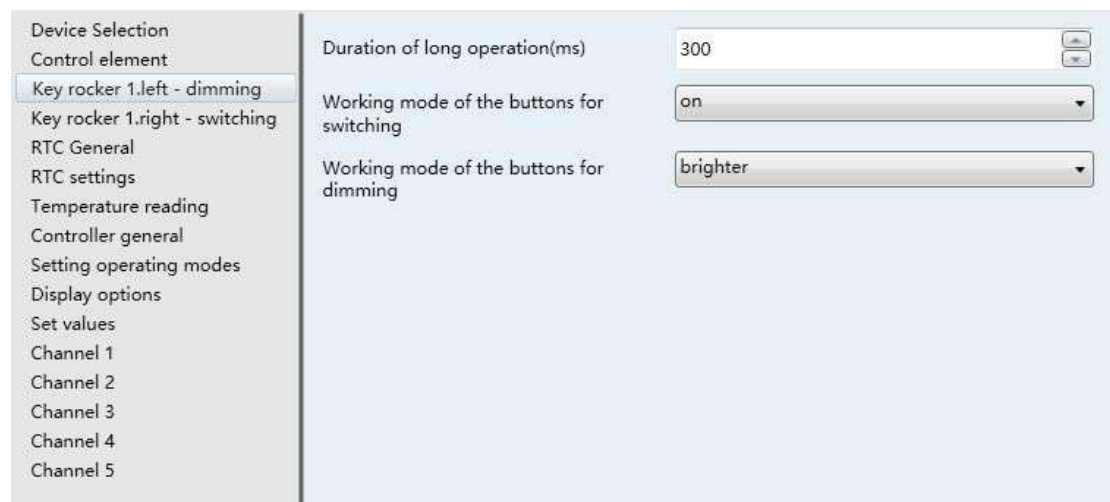
Select "Deactivated" if you don' t want to send any telegram.

Note: Pressing for "Increase" and releasing for "Decrease"

1-Button - Dimming

Configuration to control a dimming actuator.

Select this option to activate the communication object 1 bit "Rocker switch x x Switching" and the communication object 1 byte "Rocker switch x x relative dimming" .



Device Selection	Duration of long operation(ms)	300
Control element	Working mode of the buttons for switching	on
Key rocker 1.left - dimming	Working mode of the buttons for dimming	brighter
Key rocker 1.right - switching		
RTC General		
RTC settings		
Temperature reading		
Controller general		
Setting operating modes		
Display options		
Set values		
Channel 1		
Channel 2		
Channel 3		
Channel 4		
Channel 5		

Parameter “Duration of long operation (ms)”

It defines the pressing time required for a long press.

Select the range: 300-50.000 milliseconds.

Parameter “Working mode of the buttons for switching”

It defines the reactopn of the communication object 1 bit “Rocker switch x x Switching” when short press.

Options:

- On
- Off
- Alternating On/Off
- Deactivated

Select “On” for short press and the communication object 1 bit “Rocker switch x x Switching” sends a logic 1.

Select “Off” for short press, the communication object 1 bit “Rocker switch x x Switching” sends a logic 0.

Select “Alternating On/Off” , the communication object 1 bit “Rocker switch x x Switching” send in alternating logique 1 and 0.

Select “Deactivated” for short press, so no data will be sent.

Parameter “Working mode of the buttons for dimming”

It defines the reaction of the communication object 4 bits “Rocker switch x x relative dimming” for long press.

Options:

- Brighter
- Darker
- Alternating brighter/darker

Select “Brighter” for long press and the communication object 4 bits “Rocker switch x x relative dimming” sends the data 9 on the bus. When releasing the rocker it will send a value 8.

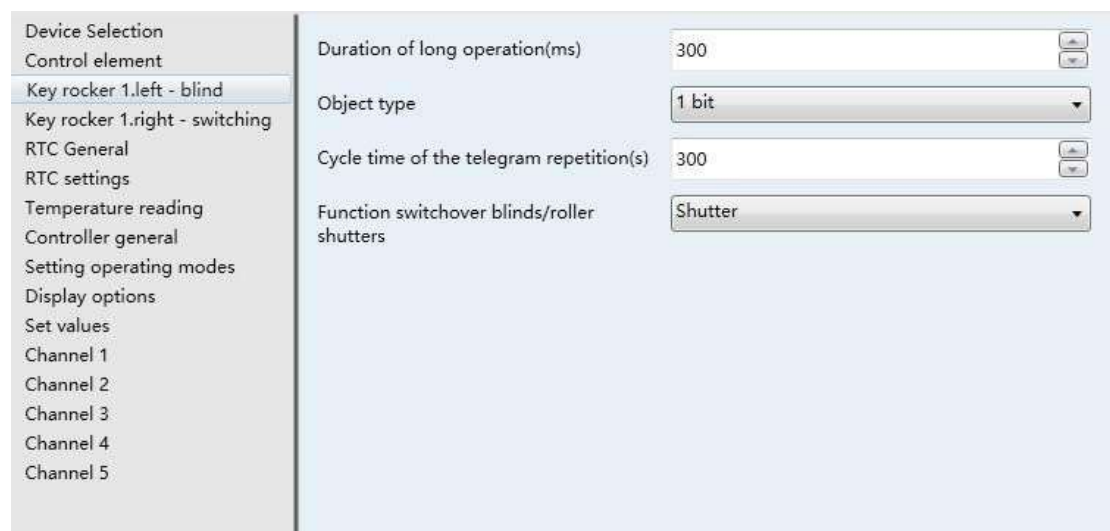
Select "Darker" for long press, and the communication object 4 bits "Rocker switch x x relative dimming" sends the data 1 on the bus. When releasing the rocker it will send value 0.

Select the mode "Alternating Brighter/Darker" and the communication object will send alternaly the value brighter and darker.

1-Button – Blind

To configutr control of blinds.

This function is used to control motors of blinds or curtains, data types are 1 bit or 1 byte.



Device Selection	Duration of long operation(ms)	300
Control element	Object type	1 bit
Key rocker 1.left - blind	Cycle time of the telegram repetition(s)	300
Key rocker 1.right - switching	Function switchover blinds/roller shutters	Shutter
RTC General		
RTC settings		
Temperature reading		
Controller general		
Setting operating modes		
Display options		
Set values		
Channel 1		
Channel 2		
Channel 3		
Channel 4		
Channel 5		

Parameter « Function switchover blinds/roller shutters ».

Options:

- Shutter
- Roller Blind

Select « Shutter » to control roller shutters. The two communication objects 1 bit « Rocker switch x x.0 Travel » and « Rocker switch x x.1 Adjust » are released. The communication object « Rocker switch x x.0 Travel » (blind moves after long press) sends alternately the logic message « 0 » and « 1 ». The communication object « Rocker switch x x.1 Adjust » (stop and adjustment of jalousies on short press) sends cyclically the logic message « 0 » or « 1 ».

Select « Roller Blind » to control blinds, the two communication objects « Rocker switch x x.0 Travel » and « Rocker switch x x.1 Stop » are released. The communication object « Rocker switch x x.0 Travel » sends alternaly a logic message « 0 » and « 1 » when long press to trigger the way up or down of the blind. The communication object « Rocker switch x x.1 Stop » sends the logical message « 0 » and stops the movement of the blind.

Parameter « Duration of long opération (ms) »

It defines the time necessary to press the button to have a long press.

Possible range: from 300 to 50.000 milliseconds.

Parameter "Object type"

Configures the format of the object data in 1 bit or 1 byte.

When selected 1 bit, the communication objects 1 bit « Rocker switch x x.0 Travel » and « Rocker switch x x.1 Adjust » are activated, as well as the parameter « Cycle time of the telegram repetition (ms) ». When short press, the communication object « Rocker switch x x.1 Adjust » sends a logic message « 1 ». When long press the communication object « Rocker switch x x.0 Travel » sends a logic message « 1 ».

When selected 1 byte, the communication objects « Rocker switch x x.0 Position » and « Rocker switch x x.1 Slats position » are activated at the same time than the parameters « Value for position down (%) », « Value for position up (%) », « Value for slats down », « Value for slats up ».

Device Selection	Duration of long operation(ms)	300
Control element	Object type	1 byte 0..100%
Key rocker 1.left - blind	Value for position down(%)	20
Key rocker 1.right - switching	Value for position up(%)	80
RTC General	Value for slats down(%)	30
RTC settings	Value for slats up(%)	70
Temperature reading	Function switchover blinds/roller shutters	Shutter
Controller general		
Setting operating modes		
Display options		
Set values		
Channel 1		
Channel 2		
Channel 3		
Channel 4		
Channel 5		

Parameter « Cycle time of the telegram repetition (ms) »

When defined at 1 bit the communication object « Rocker switch x x.0 Travel » sends every 300 miliseconds a logic message « 1 ».

Parameter « Value for position down (%) »

The communication object 1 byte « Rocker switch x x.0 Position » sends a message with the value chosen in percentage.

Range of data: from 0 to 100%.

Parameter « Value for position up (%) »

The communication object 1 byte « Rocker switch x x.0 Position » sends a message with the value chosen in percentage.

Range of data: from 0 to 100%.

Parameter « Value for slats down (%) »

The communication object 1 byte « Rocker switch x x.0 Slats position » sends a message with the value chosen in percentage.

Range of data: from 0 to 100%.

Parameter « Value for slats up (%) »

The communication object 1 byte « Rocker switch x x.0 Slats position » sends a message with the value chosen in percentage.

Range of data: from 0 to 100%.

1- Button - Value de transmitter

The ability to send several types of numeric messages. Select the characteristic to activate the object « Rocker switch X.x ».

Device Selection	Object type	1-byte
Control element	Reaction on rising edge	Value 1
left:1-button value transmitter	Reaction on falling edge	Value 1
left:Led rocker 1	Value 1	50
right:Led rocker 1	Value 2	100
left:Led rocker 2		
right:Led rocker 2		
left:Led rocker 3		
right:Led rocker 3		
left:Led rocker 4		
right:Led rocker 4		
Channel 1		
Channel 2		
Channel 3		
Channel 4		
Channel 5		

Parameter « Objet type »

To configure the format of the object data that you are sending.

Options: 1 bit, 1 byte, 2 bytes ou 4 bytes

Select « 1 bit », the communication object « Rocker switch x x.0 Switching » format of the data: 1 bit.

Select « 1 byte », format of the data: 1 byte. Range between 0 and 255.

Select « 2 bytes », format of the data: 2 bytes. Range between 0 and 65.535.

Select « 4 bytes », format of the data: 4 bytes. Range between 0 and 2^{32} .

Parameter « Reaction on rising edge »

To configure actions when pressing the rocker, the communication object sends the data.

Options:

- Value 1
- Value 2
- Alternating Value 1/ Value 2
- Desactivated

Select « Value 1 » when pressing, the communication object « Rocker switch x x.0 Switching » sends the parameter « Value 1 ».

Select « Value 2 » to send the parameter « Value 2 ».

Select « Alternating Value 1/Value 2 » to send alternaly the parameters « Value 1 » and « Value 2 ».

Select « Desactivated » to send nothing.

Parameter « Reaction on falling edge »

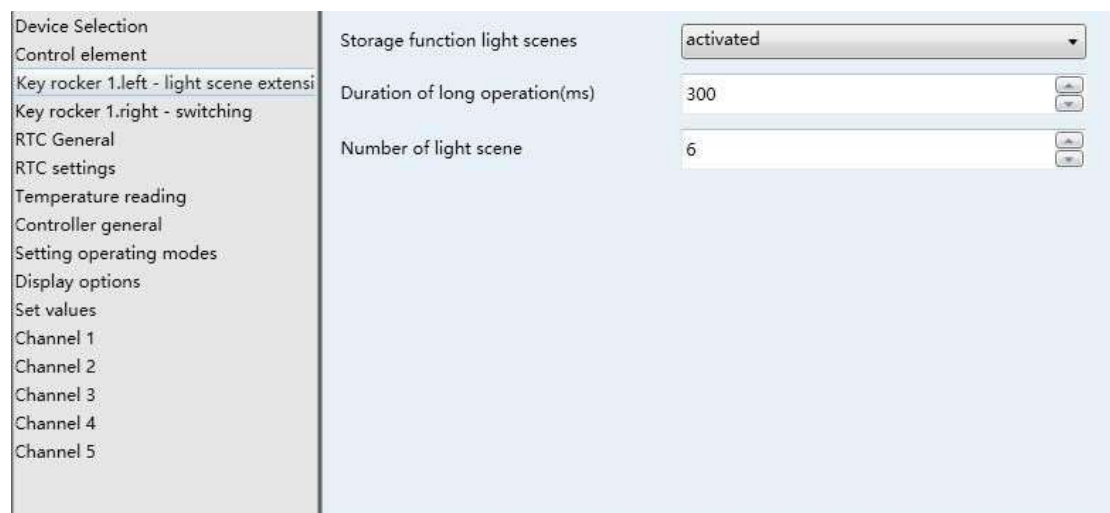
This parameter is similar to the parameter « Reaction on rising edge ».

1- Bouton Value transmitter, 2 object.

The function « 1-Button value transmitter, 2 object » looks like the function 1 object. The difference is in the principle of sending the object which is different when we press and release the rockcer. The two actions correspond to one or two different communication objects « Rocker switch x x.0 Switching (Rising edge) » and « Rocker switch x x.0 Switching (Falling edge) ». When pressint the communication object « Rocker switch x x.0 Switching (Rising edge) » sends a message and when releasing the rocker the object « Rocker switch x x.0 Switching (Falling edge) » sends a different message. The two communications can be configured with different format of data.

1-Button light scene extension unit with memory.

This function is used to configure the caracteritic of a scene, it can go up to 64 scenes. Select this functionality to release the communication object « Rocker switch x x.0 Number of light scene ».



Device Selection	Storage function light scenes	activated
Control element	Duration of long operation(ms)	300
Key rocker 1.left - light scene extensi	Number of light scene	6
Key rocker 1.right - switching		
RTC General		
RTC settings		
Temperature reading		
Controller general		
Setting operating modes		
Display options		
Set values		
Channel 1		
Channel 2		
Channel 3		
Channel 4		
Channel 5		

Parameter « Number of light scene »

It defines the number of the scene that has to be sent when pressing.

Range between 1 and 64.

Parameter « Storage function light scene »

It releases the function where the scene is stocked. When long press the communication object « Rocker switch x x.0 Number of light scene » sends a message to register the order.

Parameter « Duration of long operation (ms) »

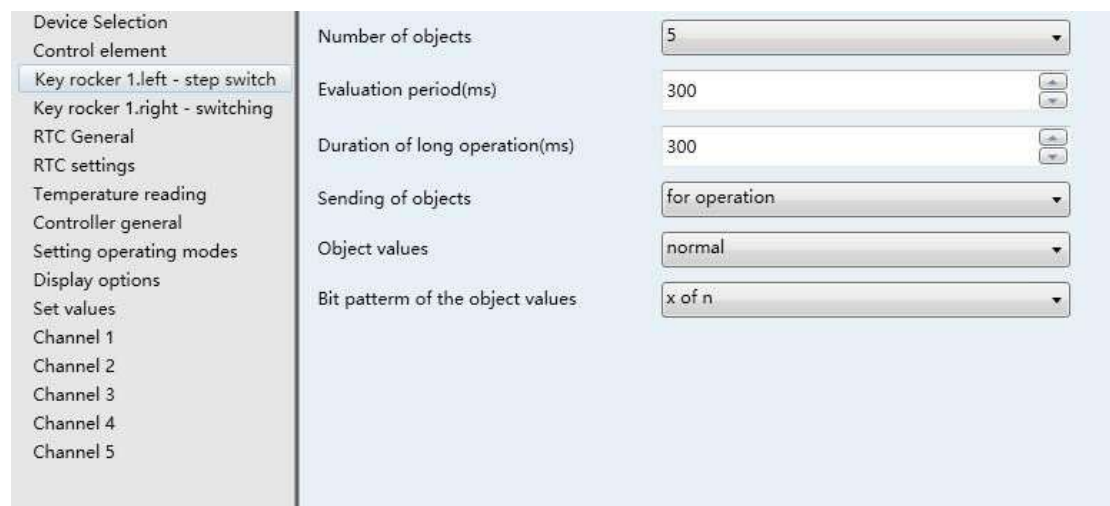
Defines the time necessary for pressing the rocket before register.

Note: Data of the scene' s message matches 1-64, 0-63.

1-Button step

The ability to control several lamps (turn them on and off).

This option provides up to 5 x 1 bit of communication objects to control 5 lamps.



The screenshot shows a configuration window with a left sidebar and a main settings area. The sidebar lists various device and control options, with 'Key rocker 1.left - step switch' selected. The main area contains several parameters:

Parameter	Value
Number of objects	5
Evaluation period(ms)	300
Duration of long operation(ms)	300
Sending of objects	for operation
Object values	normal
Bit pattern of the object values	x of n

Parameter « Number of objets »

This allows you to select the number (up to 5) of communication objects.

Options: 1, 2, 3, 4 or 5

Enable 1 to 5 communication object(s) 1 bit « Rocker switch x x.x Switching stage x »

Parameter « Evaluation period (ms) »

It defines the end of the waiting from the order. After one or many presses to the rocker, after this time the switch panel starts the sending sequence. The objects sent messages and the time between each sending is one second. Parameters can be selected.

Range: 300-50.000 milliseconds.

Parameter « Duration of long operation (ms) »

This one defines the time of pressing and support of pressing. When long press, all values of communication objects are set at OFF and sent on the bus.

Range: 300-5.000 seconds.

Parameter « Send of objects »

The way this argument sends a package.

Range:

- For operation
- For change of value

For operation is when pressing every object is sent step by step on the bus independently of the values of the objects.

For change of value, only the objects that their value changed is sent on the bus.

Parameter « Valeur d' objet »

Option: Inverse, normal

The value of the set object can be reversed. The "normal" choice when the logic is "0" means a stop and when it is "1" it means moving.

On the other side when choosing "inverse" the logic "1" is the stop and the logic "0" is movement.

Parameter « Bit pattern of object values »

Option: x of n, 1 of n

This parameter defines the models of communication, how the message is sent.

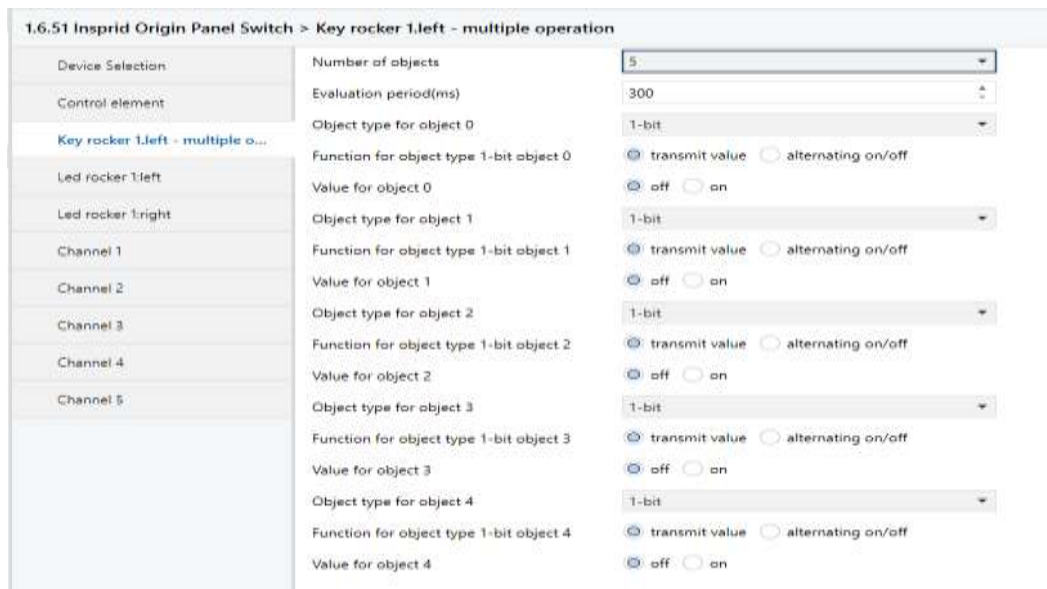
If you select "x of n", the communication objects won't send an OFF, only when pressure is long. Meaning many objects could be ON at the same time.

If you select "1 of n" , only one communication object can activated at a time. The others will be set to OFF when pressing.

Note: While the objects send messages, rockers are blocked. The press of the rocker will only be recognized after the message is sent, the pressure while sending will not be taken into account.

1-Button-Multiple operation

One rocker, multiples functions.



The characteristic of a button that controls multiple devices with different types of data is that one click controls the first device, two clicks the second and so on. Functions can also control up to 5 different types of data.

Parameter « Number of objetcs »

The number of objects chosen releases as many communication objects « Rocker switch x x.x Switching x actuation »

Option: 1 ; 2 ; 3 ; 4 ; 5

Parameter « Value type for object x »

X = 1, 2, 3, 4, 5

This parameter defines the data type of the object.

Option: 1-bit, 1-byte, 2-byte, 4-byte

Select « 1 bit » to use the communication object « Rocker switch x x.x Switching x actuation » in 1 bit.

Select « 1 byte » to use format 1 byte.

Range between 0 and 255.

Select « 2 bytes » to use format 2 bytes.

Range between 0 and 65.535.

Select « 4 bytes » to use format 4 bytes.

Range between 0 and 2^{32} .

Parameter « Function for object type 1-bit object x »

It is only available in case the object value is 1 bit.

Option:

- Transmit value
- Alternating ON/OFF

Select « transmit value to send ON or OFF at every press.

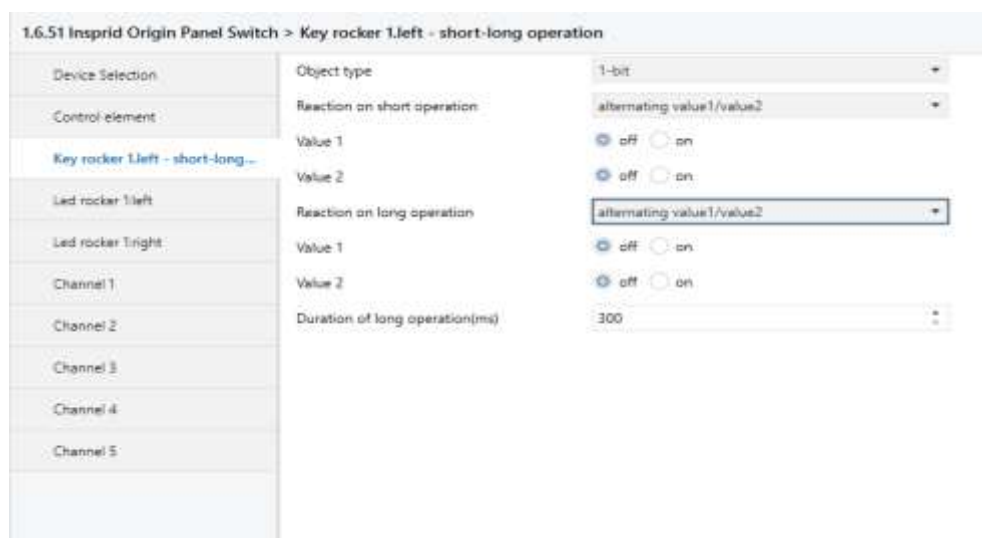
Select « Alternating ON/OFF » to send alternaly the logic messages « 1 » or « 0 ».

Parameter « Valeur pour objet x »

Add here the value you want to send. (Can be in 1 bit, 1, 2, 3 or 4 bytes)

1-Button short-long operation

Functions short-long press send different data.



Select this function to activate the communication object « Rocker switch x left/right. X – Value for switching for short » and « Rocker switch x left/right. X – Value for switching for long ».

Parameter « Type d' objet »

Select the types of communication object.

Option: 1-bit, 1-byte, 2-bytes, 4-bytes

« 1 bit » is for communication object « Rocker switch x left/right. X – Value for switching for short ».

« 1 byte » to use format 1 byte. Range between 0 and 255.

« 2 byte », to use format 2 bytes. Range between 0 and 65.535.

« 4 byte » to use format 4 bytes. Range between 0 and 2^{32} .

Parameter « Reaction on short operation »

Select the reaction of communication object « Rocker switch x left/right. X – Value for switching for short » for short press.

Option: no reaction, value 1, value 2, alternating value $\frac{1}{2}$

For option « no reaction » the communication object isn't use.

For « value 1 », the parameter « value 1 » appears and can be set.

For « value 2 », the parameter « value 2 » appears and can be set.

For « alternating value $\frac{1}{2}$ », the communication object sends alternately data « value 1 » « value 2 ».

Parameter « Reaction on long operation »

Similar to parameter « Reaction on short operation ».

Parameter « Value 1 (for short operation) »

According to the object type the value to add in this parameter changes. The principle is identical to the parameters « value 2 for short operation », « value 2 for long operation » and « value 1 for long operation ».

Parameter « Duration of long operation (ms) »

It is a parameter of recognition time for pressure and holding the rocker.

Range from 300 to 10.000 milliseconds.

1-Button Operating Mode

Setting of the parameter that is sending the mode for temperature control.

1.6.51 Insprid Origin Panel Switch > Key rocker 1.left - operating mode		
Device Selection	Object type of output	<input checked="" type="radio"/> 1 bit <input type="radio"/> 1 byte
Control element	Operating mode	Comfort
Key rocker 1.left - operating...	Send comfort object	<input type="radio"/> deactivated <input checked="" type="radio"/> activated
Led rocker 1:left	Transmit frost object	<input type="radio"/> deactivated <input checked="" type="radio"/> activated
Led rocker 1:right	Enable object	<input type="radio"/> deactivated <input checked="" type="radio"/> activated
Channel 1	Object value enable object	<input checked="" type="radio"/> normal <input type="radio"/> inverse
Channel 2	Enable object after return of voltage	<input checked="" type="radio"/> blocked <input type="radio"/> enabled
Channel 3		
Channel 4		
Channel 5		

This characteristic is used for switches with temperature control. It is used to configure the operation mode. Four modes are available; Comfort, standby, night and antifrost.

Parameter « Object type of output »

To set types of output object.

Option: 1 bit, 1 byte.

Select « 1bit », to use object data type of 1 bit.

Select « 1byte », to use object data type of 1 byte.

Parameter « Operating mode » (in 1 bit type)

This mode is chosen to send when you use the rocker.

Option: Comfort, Standby, Night, Antifrost

Parameter « Send comfort object » (in 1 bit type)

Option: Enable, Disable.

It releases the communication object 1 bit « Rocker switch x left/Right.x Comfort operating mode ».

Parameter « Send night object » (in 1 bit type)

Option: enable, disable

Activate the communication object 1 bit « Rocker switch x left/Right.x Night operating mode ». This parameter appears only in operating mode « standby » or « night ».

Parameter « Transmit Frost object » (in 1 bit type)

Option: enable, disable

Activate the communication object 1 bit « Rocker switch x left/Right.x Frost operating mode ».

Parameter « Enable object » (in 1 bit or 1 byte type)

Option: enable, disable

Select « disable » (by default), the button will then always be active.

Select « enable » to release the communication object 1 bit « Rocker switch x left/Right.x Enable ».

This allows you to enable or disable via the bus the action following the press on a rocker.

Parameter « Object value enable object » (in 1 bit or 1 byte type)

Option: normal or reverse

Activate the communication object 1bit « Rocker switch x left/Right.x Enable ».

If you select « Normal », the communication object will receive a logic « 1 » on the bus, it enables the press function. If it receives the logic « 0 », it disables this function.

When you select « Reverse », if the communication object receives a logic « 1 » on the bus, it disables the press function. On the other side if it receives a logic « 0 », it activate the function.

Parameter « Enable object after return of voltage »

Option: bloqued or actived

When this parameter is activated and power supply is back on the bus, the press on rockers is possible. On the contrary if you select « Blocked », when poswer supply is back the press on rockers will not work.

Parameter « Object type of output » (1 byte)

1.6.51 Insprid Origin Panel Switch > Key rocker 1.left - operating mode

Device Selection	Object type of output	<input type="radio"/> 1 bit <input checked="" type="radio"/> 1 byte
Control element	Operating mode	Standby
Key rocker 1.left - operating...	Enable object	<input type="radio"/> deactivated <input checked="" type="radio"/> activated
Key rocker 1.right - operating...	Object value enable object	<input checked="" type="radio"/> normal <input type="radio"/> inverse
Led rocker 1:left	Enable object after return of voltage	<input checked="" type="radio"/> blocked <input type="radio"/> enabled
Led rocker 1:right		
Channel 1		
Channel 2		
Channel 3		
Channel 4		
Channel 5		

Select « 1 byte » to activate communication object « Rocker switch x left/Right.x Operating mode ».

Parameter « Operating mode »

Option: Auto, Comfort, Stanby, Night, Antifrost, heating protection.

Those are similar to parameters type 1 bit.

« Rocker switch X mode» 2-Buttons

Configuration « 2 buttons » for a joint control of the rocker.

Device Selection	Control element	Active
Control element	Rocker switch 1 mode	2-button
Key rocker 1 - value transmitter	Rocker switch 1	2-button value transmitter
RTC General	Rocker switch 2 mode	2-button switching
RTC settings	Rocker switch 3 mode	2-button dimming
Temperature reading	Rocker switch 4 mode	2-button blind
Controller general	Rocker switch 5 mode	2-button value transmitter
Setting operating modes	IR switch 1 mode	2-button value dimming sensor
Display options	IR switch 2 mode	2-button step switch
Set values	IR switch 3 mode	Inactive
Channel 1	IR switch 4 mode	Inactive
Channel 2	Rocker switch LED light	Always light
Channel 3	Day/Night mode	deactivated
Channel 4		
Channel 5		

In « 2 Buttons », you have 7 choices, « 2 Buttons – Switching », « 2 Buttons – Dimming », « 2 Buttons – Blind », « 2 Buttons – Value transmitter », « 2 Buttons – Value dimming sensor », « 2 Buttons – Step switch » and « Inactive ». The choice « Inactive » disables the rocker.

2- Button Switching

Select this setting to activate the communication object « Rocker switch x left/right.x – Switching »

Device Selection	Working mode of the buttons for switching	1st button on,2nd button off
Control element		1st button on,2nd button off
Key rocker 1 - switching		1st button off,2nd button on
RTC General		alternating on/off
RTC settings		
Temperature reading		
Controller general		
Setting operating modes		
Display options		
Set values		
Channel 1		
Channel 2		
Channel 3		
Channel 4		
Channel 5		

Parameter "working mode of the buttons for switching"

Option:

- 1st button on, 2nd button off
- 1st button off, 2nd button on
- alternating on/off

"1st button on, 2nd button off": Pressing the rocker on the left sends an « ON », and on the right it sends an « OFF »

"1st button off, 2nd button on": Pressing the rocker on the left sends an « OFF », and on the right it sends an « ON »

"Alternating on/off": Whatever button is pressed the communication object will send alternately an « ON » then an « OFF ».

2-button dimming

This functionality is used to control the dimming actuator. Select this option to activate the communication objects 1 bit « Rocker switch X.x – Switching » and 4 bits « Rocker switch X.x – relative dimming ». First one is for switching, second is for dimming.

Parameter "Duration of long operation (MS)"

This parameter recognizes the press length and the holding of the rocker to know when it is a long press.

Range: 300 – 10000.

Unit: milliseconds.

Parameter "Manner of dimming"

It defines the mode to adjust luminosity.

"Start-Stop dimming": continuous mode for dimming. In this mode, long press will trigger a dim in lighting (from up to down). After releasing the button, dimming will stop and leave the luminosity as it is. Short press will turn ON or OFF the lamp.

"StepStop dimming": this mode dims step by step. Pressing the rocker will turn on the light and dimming is sent step by step according to the preset value (1.56% i.e.).

In case of long press the luminosity is incremented or decremented by step till the release.

Parameter “Start-stop dimming”

1.6.51 Insprid Origin Panel Switch > Key rocker 1 - dimming		
Device Selection	Duration of long operation(ms)	300
Control element	Manner of dimming	<input checked="" type="radio"/> Start-Stop dimming <input type="radio"/> Step-Stop dimming
Key rocker 1 - dimming	Working mode of the buttons for switching	1st button on,2nd button off
Led rocker 1:left	Working mode of the buttons for dimming	<input checked="" type="radio"/> 1st button brighter,2nd button darker <input type="radio"/> 1st button darker,2nd button brighter
Led rocker 1:right		
Channel 1		
Channel 2		
Channel 3		
Channel 4		
Channel 5		

Parameter “Step-Stop dimming”

1.6.51 Insprid Origin Panel Switch > Key rocker 1 - dimming		
Device Selection	Duration of long operation(ms)	300
Control element	Manner of dimming	<input type="radio"/> Start-Stop dimming <input checked="" type="radio"/> Step-Stop dimming
Key rocker 1 - dimming	Working mode of the buttons for switching	1st button on,2nd button off
Led rocker 1:left	Working mode of the buttons for dimming	<input checked="" type="radio"/> 1st button brighter,2nd button darker <input type="radio"/> 1st button darker,2nd button brighter
Led rocker 1:right	Step size for step-wise dimming (%)	1.56%
Channel 1	Dimming functionality	<input checked="" type="radio"/> Short operation switching,long operation switc... <input type="radio"/> Short operation dimming,long operation switc...
Channel 2	Dimming stop telegram	<input checked="" type="radio"/> Dimming stop is not sent <input type="radio"/> Dimming stop is sent
Channel 3	Cyclical sending of the dimming telegrams	<input checked="" type="radio"/> activated <input type="radio"/> deactivated
Channel 4	Duration of the telegram repetition(ms)	300
Channel 5		

Parameter "Working mode of the buttons for switching"

This parameter corresponds to the use of left and right rocker.

Option:

- 1st button on, 2nd button off
- 1st button off, 2nd button on
- alternating on/ off

"1st button on, 2nd button off": A press on left button sends « ON » message, press on right button sends « OFF »

"1st button off, 2nd button on": A press on left button sends « OFF », press on right button sends « ON »

"Alternating on/off": Whatever button is pressed the communication sends alternately « ON » then « OFF ».

Parameter "Working mode of the buttons for dimming"

It defines the way for dimming according to the button used.

Option:

- 1st button brighter, 2nd button darker
- 1st button darker, 2nd button brighter

"1st button brighter, 2nd button darker": Long press on left button will increase the intensity and on the other side on the right button lower it.

"1st button darker, 2nd button brighter", that' s the opposite.

If you chose the option step by step, those parameters will appear: "Step size for stepwise dimming (%)", "Dimming functionality".

Parameter "Step size for stepwise dimming (%)"

It defines the size of the dimmed step.

Option: 1.56%, 3.13%, 6.25%, 12.5%, 25%, 50%

Parameter "Dimming functionality"

This one defines the function (switching/dimming) according if it is a short or long press.

Option:

- Short operation switching, long operation dimming
- Short operation dimming, long operation switching

"Short operation switching, long operation dimming": Short press will send a switching telegram and long press a dimming telegram.

"Short operation dimming, long operation switching": This one will work on the opposite side.

Parameters "Dimming stop telegram", "Cyclical sending of the dimming" and "Duration of the telegram repetition (MS)" appear only if you choose "Short operation dimming, long operation switching".

Parameter "Dimming stop telegram"

It defines if the device sends or not a telegram to stop the end of dimming.

Option:

- Dimming stop is not sent
- Dimming stop is sent

Parameter "Cyclical sending of the dimming"

Choose this parameter to enable the step message cyclically.

Option: actived / Desactived

If it is desactived the panel will send only one step of dimming.

Parameter "Duration of the telegram repetition (MS)"

This parameter defines the speed with which dimmed step are sent.

Range: 300 - 10000, Unit: milliseconds.

2-button blind

This function has been created to control blinds.

The screenshot shows a configuration window titled "1.6.51 Insprid Origin Panel Switch > Key rocker 1 - blind". On the left is a vertical list of controls: "Device Selection", "Control element", "Key rocker 1 - blind", "Led rocker 1:left", "Led rocker 1:right", "Channel 1", "Channel 2", "Channel 3", "Channel 4", and "Channel 5". The "Key rocker 1 - blind" option is selected. To the right of this list are three configuration parameters: "Duration of long operation(ms)" is set to 300; "Object type" has two radio buttons, "1 bit" (selected) and "1 byte 0..100%"; "Working mode of the buttons" has two radio buttons, "1st button Up,2nd button Down" (selected) and "1st button Down,2nd button Up".

Parameter "Duration of long operation (MS)"

It recognizes the timing of pressure and holding on the rocker.

Range: 300 – 10000. Unit: milliseconds.

Parameter "Object type"

To set the type of communication object to use.

Option: 1bit / 1byte (0-100%)

"1bit", activates communication objects "Rocker switch x left/right.xAdjust" and "Rocker switch x left/right.xTravel";

"1byte 0.100" activates communication objects "Rocker switch x left/ Right.x – Position" and "Rocker switch x left/right.xSlatposition"

Parameter "Working mode of the buttons"

Allows to change the way of movement of the blind according to the button used.

Option:

- 1st button up, 2nd button down
- 1st button down, 2nd button up

① "1st button up, 2nd button down" with "Object type 1bit":

Short press on left button, communication object 1bit "Rocker switch x left/right.x-Adjust" sends on the bus a bit of logic "0". Long press on left rocker and the communication object 1bit "Rocker switch x left/right.x-Travel" sends on the bus a bit of logic "0", pressures on the right button will them send a bit of logic "1".

② "1st button down, 2nd button up" the system will work the other way around.

③ If the parameter "Object type" is on "1byte 0..100%", "1st button up, 2nd button down":

When short press on the left button, the communication object 1 byte "Rocker switch x left/right.x-Position" will send on the bus the value written in the field "Value for position up (%)".

When long press the communication object 1 byte "Rocker switch x left/right.x-Slat position" will send on the bus the value written in the field "Value for slats up (%)".

When short press on the right button, the communication object "Rocker switch x left/right.x Position" will send on the bus the value written in the field "Value for position down (%)".

When long press on the right button, the communication object "Rocker switch x left/right.x- Slat position" will send on the bus the value written in the field "Value for slats down (%)".

The screenshot shows a configuration window for '1.6.51 Insprid Origin Panel Switch > Key rocker 1 - blind'. On the left is a sidebar with a tree view containing 'Led rocker 1:left', 'Led rocker 1:right', 'Channel 1', 'Channel 2', 'Channel 3', 'Channel 4', and 'Channel 5'. The main area contains the following settings:

Device Selection	Duration of long operation(ms)	300
Control element	Object type	<input type="radio"/> 1 bit <input checked="" type="radio"/> 1 byte 0..100%
Key rocker 1 - blind	Working mode of the buttons	<input checked="" type="radio"/> 1st button Up,2nd button Down <input type="radio"/> 1st button Down,2nd button Up
Led rocker 1:left	Value for position down(%)	0
Led rocker 1:right	Value for position up(%)	0
Channel 1	Value for slats down(%)	0
Channel 2	Value for slats up(%)	0
Channel 3		
Channel 4		
Channel 5		

Parameter "Value for position down (%)", "Value for position up (%)", "Value for slats down (%)", "Value for slats up (%)".

Range: 0-100. Unit:%

2-button value transmitter

The panel has the ability to send many types of telegram. To use this functionality to release the communication object "Rocker switch X.x – Value switching".

1.6.51 Insprid Origin Panel Switch > Key rocker 1 - value transmitter

Device Selection	Object type	1-byte
Control element	Working mode of the buttons	1st button value 1,2nd button value 2
Key rocker 1 - value transmitter		
Led rocker 1:left	Value 1	0
Led rocker 1:right	Value 2	0
Channel 1		
Channel 2		
Channel 3		
Channel 4		
Channel 5		

Parameter "Object type"

It defines the type of object used.

Option: 1-bit, 1-byte, 2-bytes, 4-bytes

Select « 1 bit », the communication object « Rocker switch x x.0 Value switching » and data type is 1 bit.

Select « 1 byte », data type: 1 byte. Range between 0 and 255.

Select « 2 bytes », data type: 2 bytes. Range between 0 and 65.535.

Select « 4 bytes », data type: 4 bytes. Range between 0 and 2^{32} .

Parameter "Working mode of the buttons"

This one defines which value matches the field « Value 1 » and « Value 2 » that will be send by both of the buttons on the rocker.

Option:

- 1st button value 1, 2nd button value 2
- 1st button value 2, 2nd button value 1
- Alternating value 1/value 2

"1st button value 1, 2nd button value 2": when short press on left rocker, the communication object "Rocker switch X.x – Value switching" sends the value coded in the field « Value 1 » on the bus. When short press on the right rocker, it will send the value of the field « Value 2 »

«1st button value 2, 2nd button value 1 ": works the other way around.

«Alternating value 1/value 2 ": regardless which side of the rocker is used, the communication object "Rocker switch X.x – Value switching" sends alternately the parameter « Value 1 » and « Value 2 »

Parameter "value 1", "value 2"

Value to be defined in the programming stage.

2-button dimming sensor

The panel has the ability to make a dimming step by step in absolute value.

The screenshot shows a configuration window titled "1.6.51 Insprid Origin Panel Switch > Key rocker 1 - dimming sensor". On the left, there is a "Device Selection" tree with the following items: "Led rocker 1:left", "Led rocker 1:right", "Channel 1", "Channel 2", "Channel 3", "Channel 4", and "Channel 5". The "Key rocker 1 - dimming sensor" item is selected. On the right, the configuration parameters are: "Object type" with radio buttons for "1-byte 0..100%" (unselected) and "1-byte 0..255" (selected); "Step size" with a text input field containing "0"; and "Working mode of the rocker button as value dimming sensor" with radio buttons for "1st button brighter,2nd button darker" (selected) and "1st button darker,2nd button brighter" (unselected).

Parameter "Object type"

Defines the type of communication objects used.

Option: 1-byte 0...100% or 1-byte 0.255

Parameter "Step size"

Defines the step of the variation.

If you choose "1-byte 0.1%": Range 0-100. Unit: %;

If you choose "1-byte 0.255": Range 0-128.

Parameter "Working mode of the rocker Rocher button as value dimming sensor"

This parameter gives the way of dimming according to the two buttons.

Option:

- "1st button darker,2nd button brighter"
- "1st button brighter,2nd button darker"

"1st button darker, 2nd button brighter" means that left button increases the luminosity and the right diminishes it.

"1st button brighter, 2nd button darker", the reverse.

2-button step switch

To control up to 5 outputs in 1 bit by step. Left and right rockers allow to sustract or add output that have to be (de)activate.

The screenshot shows a configuration page for '1.6.51 Insprid Origin Panel Switch > Key rocker 1 - step switch'. The interface is divided into two main sections: a left sidebar and a main configuration area. The sidebar contains a 'Device Selection' dropdown set to 'Key rocker 1 - step switch', a 'Control element' dropdown set to 'Led rocker 1:left', and a list of channels from 'Channel 1' to 'Channel 5'. The main configuration area includes: 'Number of objects' set to 5; 'Evaluation period(ms)' set to 300; 'Working mode of the buttons' with radio buttons for '1st button Down,2nd button Up' (selected) and '1st button Up,2nd button Down'; 'Sending of objects' with radio buttons for 'for operation' (selected) and 'for change of value'; 'Object values' with radio buttons for 'normal' (selected) and 'inverse'; and 'Bit pattern of the object values' with radio buttons for 'x of n' (selected) and '1 of n'.

Parameter "Number of objects,"

The number selected in this parameter releases the same number of communication object and we can go till 5 objects.

Option: 1, 2, 3, 4, 5

Option n activates n communication objects "Rocker switch x left/right.x – Switching stage n".

Parameter "Evaluation period (MS)"

This parameter measures the time following the last press. If you don't press the button during the waiting time, the device judges that the order is finished.

Switching messages are sent with intervals of 1 second.

Range: 300-10,000, unit: seconds.

Parameter "Working mode of the buttons"

To configure the parameters corresponding to left and right rocker according to the addition or subtraction.

Option:

- 1st button down, 2nd button up
- 1st button up, 2nd button down

Parameter "Send of objects"

Way the device sends the data.

Option:

- For operation,
- For change of value

"For operation": all operations that has been done will send a message, either the object value has changed or not.

"For change of value": only the objects which their value has changed will be send on the bus.

Parameter "object values"

Option: normal/Inverse

Inverse the logic of the communication object. Choose "normal" when the logic « 0 » represents an open contact and "1" a closed contact. On the other side, choose "inverse" when the logic « 1 » represents an open contact and "0" a closed contact.

Parameter "bit pattern of object values"

Option: x of n, 1 of n

This parameter defines the model of the communication, how the messages will be sent. Select "x of n", all the objects under the number n will react, select "1 of n", and only the object that matches the number n will react.

Note: The sending objects while pressing the rockers will be blocked. Only pressings after sending the message will be recognized.

"LED rocker X left/right"

To configure status LED.

This function is used to represent the status of the device but can also be used as a function. For instance, blue LED can indicate the scene button and the red LED the button for curtains. .



Parameter "led rocker x-left/right"

This parameter allows the use of the LED.

Option: Inactive, LED functionality

Parameter "Operating mode"

It defines if the LED selected is a status or a function.

Option: Status illumination, Function illumination

"Status illumination": defines LED as a status display.

"Function illumination": shows that it is a function.

Parameter "Object type for status object"

It is the type of the communication object for status.

Option: 1 bit, 1 byte 0...100%

Below are the parameter for object type "1 bit":

1.6.51 Insprid Origin Panel Switch > Led rocker 1:left		
Device Selection	Led rocker 1 left	<input type="radio"/> Inactive <input checked="" type="radio"/> LED functionality
Control element	Operating mode	<input checked="" type="radio"/> Status illumination <input type="radio"/> Function illumination
Key rocker 1 - step switch	Object type for status object	<input checked="" type="radio"/> 1 bit <input type="radio"/> 1 byte 0..100%
	Colour for off	red <input type="text"/>
	Colour for on	green <input type="text"/>
Led rocker 1:left	Day/Night mode	<input type="radio"/> deactivated <input checked="" type="radio"/> activated
Led rocker 1:right	Proximity function	<input type="radio"/> deactivated <input checked="" type="radio"/> activated
Channel 1	Logic of the proximity function	<input checked="" type="radio"/> normal <input type="radio"/> inverse
Channel 2	Colour of orientation illumination	blue <input type="text"/>
Channel 3	Storage function light scenes	<input type="radio"/> deactivated <input checked="" type="radio"/> activated
Channel 4	Alarm function	<input type="radio"/> deactivated <input checked="" type="radio"/> activated
Channel 5		

Parameter "Colour for off"

To define the colour of the LED when receiving a telegram with logic « 0 » on the communication object "LED rocker x left/right.x-Status".

Option: off, red, green

Parameter "Colour for on"

To define the colour of the LED when receiving a telegram with logic « 1 » on the communication object "LED rocker x left/right.x-Status"

Option: off, red, green

Below are the parameters for object type "1byte"

In 1 byte mode the communication object receives a percentage. Following some steps to preset the LED will change colour.

Device Selection	Led rocker 1 left	LED functionality
Control element	Operating mode	Status illumination
Led rocker 1:left	Object type for status object	1 byte 0..100%
Led rocker 1:right	Colour for Zone 1 (corresponds to 0%)	red
Channel 1	Colour for Zone 2 (starting at 1%)	magenta
Channel 2	Threshold between Zone 2 and Zone 3 (%)	20
Channel 3	Colour for Zone 3	yellow
Channel 4	Threshold between Zone 3 and Zone 4 (%)	2
Channel 5	Colour for Zone 4 (up to 99%)	cyan
	Colour for Zone 5 (corresponds to 100%)	green
	Day/Night mode	activated
	Proximity function	activated

If you selected "1byte 0...100%" it enables the communication object 1byte "LED rocker x-left/right.x-Status".

Parameter "Colour for Zone 1 (corresponds to 0%)"

To define the LED' s colour when the communication object receives a telegram with the value 0%.

Option: off, red, green

Parameter "Colour for Zone 2 (starting to 1%)"

It defines the colour of the LED when the communication object receives a telegram with a value which is in the zone 2.

Option: off, red, green, yellow, blue, magenta, cyan, white.

Parameter "Threshold between Zone 2 and Zone 3 (%)"

It defines the upper limit of zone 2. This zone will be extended of 1% until the value is indicated in the field. Range: 2-98 (%)

Parameter "Colour for Zone 3"

Defines the colour of the LED when the communication object receives a telegram with a value in between the zone 3.

Option: off, red, green, yellow, blue, magenta, cyan, white.

Parameter "Threshold between Zone 3 and Zone 4 (%)"

It defines the upper limit of zone 3. This zone will be extended till the upper limit of zone 2 until the value indicated in this field. Range: 2-98 (%)

Parameter "Colour for Zone 4 (up to 99%)"

To define the colour of the LED when the communication object receives a telegram with a value within the zone 4.

Options: off, red, green, yellow, blue, magenta, cyan, white.

Zone 4 extend till the upper limit of 3 until 99%.

Parameter "Colour for Zone 5 (corresponds to 100%)"

To define the colour of the LED when the communication object receives a telegram with value 100%.

Options: off, red, green

Parameter "Day/Night mode"

The intensity of the LED can be changed according if we are at day light or in the night.

Options: deactivated, activated

"Activated" release the communication object 1bit "LED rocker x left/right.x-Day/Night mode", if this object receives a telegram with logic « 0 », LED will be in night mode and will be darker. If the logic is "1" it will change to day mode and will be brighter.

"Deactivated" enables the parameter "Brightness of the colours" and deletes the communication object "LED rocker x left/right.x-Day/Night mode".

Parameter "Brightness of the colours"

This option allows you to choose a fix intensity of the LED when this one is not in day/night mode.

Options: dark, Bright

Parameter "proximity function"

This allows you to use the LED for orientation. By activating this parameter you release the communication object 1 bit "LED rocker x left/right.xProximity" which allows to display or not this LED of orientation. Once the LED is ON, status and functions LED are deactivated. The LED can only be a LED for orientation.

Options: deactivated activated

Parameter "Logic of the proximity function"

This functions is to allow you to reverse the logic of the communication object "LED rocker x left/right.x-Proximity" and thus the ignition of the orientatin LED.

Options: normal Inverse

Parameter "Colour of orientation illumination"

Configure this parameter to say which LED colour you would like.

Options: off, red, green.

Parameter "Storage function light scenes"

This option is to allow the confirmation that the scene has been registered.

Options: deactivated, activated

"Activated" releases the communication object 1 bit "LED rocker x left/right.x-Scene Storage." When this object receives a telegram with logic « 1 », the LED will flash 3 times to confirm the recording of the scene was a success.

Parameter "Alarm function"

This allows you to use the LED as an alarm indicator.

Options: deactivated, activated.

"Activated" releases the communication object "LED rocker x left/right.x- Alarm". When this object reveices a telegram with logic « 1 », the LED flashes in the current colour. If the object receives a « 0 », the LED stops to flash.

Parameter "Colour of function illumination"

If the parameter "Operating mode" is set in "function illumination" the parameter "Colour of function illumination" allows you to choose the colour of the LED.

Options: off, red, green, yellow, blue, magenta, cyan or white.