

# Relay Module

Take M/R4.10.1 as an example


# CONTENTS

**01**

Parameter  
Introduction

**02**

Commission

The background of the slide features a low-angle, upward-looking view of several modern skyscrapers with glass facades. The image is overlaid with a semi-transparent purple filter, creating a monochromatic purple and white color scheme. The buildings are arranged in a way that creates a sense of depth and height.

# Part 01

## Parameter Introduction



M/R4.16.1



M/R8.16.1



M/R12.16.1



M/R16.16.1

General setting page is for some general setting, you can keep them in default setting.

1.1.21 Relay M/R4.10.1 > General

General	1. Operation delay after recovery(2..200s)	2
Channel A	2. Heartbeat telegram	Disable
Channel B	3. Relay drive voltage	13v
Channel C	4. Relay pulse time	20ms
Channel D		

1. The delay time for system operation after the device is powered off and restarted
2. Enable and Disable Heartbeat telegram
3. Voltage for the relay drive
4. Pulse time for the relay

1.1.21 Relay M/R4.10.1 > Channel A

General	1. Channel A work mode	Switch actuator
Channel A	Normally connected type	<input type="radio"/> Normally Closed <input checked="" type="radio"/> Normally Opened
Channel B	2. Response of switch state ON/OFF	Only after change
Channel C	Save statistic for ON switching 'time (hour-2bytes)'	<input checked="" type="radio"/> Disable <input type="radio"/> Enable
Channel D	Save statistic for ON switching 'counter (4bytes)'	<input checked="" type="radio"/> Disable <input type="radio"/> Enable
	Switch state on bus voltage fail	Unchange
	Switch state after bus voltage recovery	Unchange
	3. Show function page=>>	<input checked="" type="radio"/> No <input type="radio"/> Yes

1. Select working mode for the Channel: Switch Actuator, Heating Actuator, Inactivated.
2. Select Response Type:
  - No response: will not respond the switch status
  - Always response: always respond the switch status when receive the channel telegram data
  - Only after change: only respond the switch status when channel state is changed.
3. Enable or Disable function page.

On the fuction page , time, scene, threshold, blinds, logic can be enabled.

1.1.21 Relay M/R4.10.1 > A:function		
General	Enable function "time"	<input type="radio"/> Disable <input checked="" type="radio"/> Enable
Channel A	Enable function "scene"	<input type="radio"/> Disable <input checked="" type="radio"/> Enable
<b>A:function</b>	Enable function "threshold"	<input type="radio"/> Disable <input checked="" type="radio"/> Enable
A:time	Enable function "blinds"	<input type="radio"/> Disable <input checked="" type="radio"/> Enable
A:scene	Enable function "logic"	<input type="radio"/> Disable <input checked="" type="radio"/> Enable
A:threshold		
A:blinds		
A:logic		

Here are 3 options in the Time function: Flashing, Staircase lighting, ON/OFF delay

1.1.21 Relay M/R4.10.1 > B:time

General	Time function	Flashing
Channel A	Condition of flash start/stop	Flashing ✓
A:function	>>Time for on:(0..255 Min)	Staircase lighting
A:scene	--Time for on:(0..59 Sec)	ON/OFF delay
Channel B	>>Time for off:(0..255 Min)	5
B:function	--Time for off:(0..59 Sec)	0
<b>B:time</b>	Flashing cycles(1..100,0-Unlimited)	5
B:scene	Position after stop flashing	0
B:threshold		Unchange
B:blinds		
B:logic		

There are a total of 64 scene available for use

### 1.1.21 Relay M/R4.10.1 > A:scene

General	>>Output is assigned to (scene 1..64 or not allocate)	Scene NO.01 ▼
Channel A	--Ouput ON/OFF:	<input type="radio"/> OFF <input checked="" type="radio"/> ON
A:function	--Output Delay:	<input checked="" type="radio"/> Disable <input type="radio"/> Enable
A:time	>>Output is assigned to (scene 1..64 or not allocate)	Scene NO.02 ▼
<b>A:scene</b>	--Ouput ON/OFF:	<input checked="" type="radio"/> OFF <input type="radio"/> ON
A:threshold	--Output Delay:	<input checked="" type="radio"/> Disable <input type="radio"/> Enable

In threshold page, you can set light to turn on or turn off when the panel send a value to the relay.

### 1.1.21 Relay M/R4.10.1 > A:threshold

General	"Threshold input" type	<input checked="" type="radio"/> 1 byte(0..255) <input type="radio"/> 2 bytes(0..65535)
Channel A	--Enable threshold 1 value on bus	<input checked="" type="radio"/> No <input type="radio"/> Yes
A:function	--Enable threshold 2 value on bus	<input checked="" type="radio"/> No <input type="radio"/> Yes
A:time	-> Threshold 1 value is (0..255)	<input type="text" value="80"/>
A:scene	-> Threshold 2 value is (0..255)	<input type="text" value="180"/>
<b>A:threshold</b>	"Threshold input(0..255)" after bus voltage recovery	<input type="text" value="0"/>
A:blinds	->{Input object value<Lower threshold}	<input type="text" value="ON"/>
A:logic	->{Lower thr..<=Object value<=Upper thr..}	<input type="text" value="Unchange"/>
	->{Input object value>Upper threshold}	<input type="text" value="OFF"/>

Relay channel can be used to control blinds.

1.1.21 Relay M/R4.10.1 > A:blinds

General	Blinds UP('0'-value)	Channel A
Channel A	Blinds DOWN('1'-value)	Channel B
A:function	Control mode	<input checked="" type="radio"/> Move UP/DOWN and Adjustment <input type="radio"/> Move UP/DOWN
A:time	Adjustment time	100ms
A:scene	Delay time for running direction changed	200ms
A:threshold	Moving time(2..65535s)	10

[A:blinds](#)

You can create two logics here

1.1.21 Relay M/R4.10.1 > A:logic	
General	Logic connection 1 enable <input type="radio"/> Disable <input checked="" type="radio"/> Enable
Channel A	Function of logic block1 <input type="text" value="AND"/>
A:function	Object value of logic connection 1 after bus voltage recovery <input checked="" type="radio"/> "0" <input type="radio"/> "1"
A:time	Result of logic block1 inverted <input checked="" type="radio"/> No <input type="radio"/> Yes
A:scene	Logic connection 2 enable <input checked="" type="radio"/> Disable <input type="radio"/> Enable
A:threshold	
A:blinds	
<b>A:logic</b>	



# Part 2

## Commission

Assumption: We want to use button A on the panel to control Channel A . As Channel A has two status, On/Off , we need to make Status feedback. For example, we select “Only after change” as state feedback type.

## 1.1.21 Relay M/R4.10.1 &gt; Channel A

General	Channel A work mode	Switch actuator
Channel A	Normally connected type	<input type="radio"/> Normally Closed <input checked="" type="radio"/> Normally Opened
A:function	Response of switch state ON/OFF	Only after change
A:scene	Save statistic for ON switching 'time (hour-2bytes)'	No response
Channel B	Save statistic for ON switching 'counter (4bytes)'	Always response
B:function	Switch state on bus voltage fail	Unchange
B:scene	Switch state after bus voltage recovery	Unchange
	Show function page=>>	<input type="radio"/> No <input checked="" type="radio"/> Yes

For example, Channel A control your Entrance Downlight, please create group address for Channel A and its Response state after change .

ETS5™ - PPT

ETS Edit Workplace Commissioning Diagnostics Apps Window

Close Project Undo Redo Reports Workplace Catalogs Diagnostics

Devices

Add Channels Delete Download Info Reset Unload Print Search

Devices	Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
Dynamic Folders	10	Output A	Channel output	Entrance Downlight	1/0/1	1 bit	C	-	W	-	U	switch	Low
1.1.1 M/MPT14.1	11	Output A	Response status after change	Entrance Downlight Feedback	2/0/1	1 bit	C	R	-	T	-	switch	Low
1.1.2 Floor Heating M/FCU01.10.1	30	Output B	Channel output			1 bit	C	-	W	-	U	switch	Low
1.1.21 Relay M/R4.10.1	31	Output B	Response status after change			1 bit	C	R	-	T	-	switch	Low
1.1.22 Dry Contact M/S08.1	50	Output C	Channel output			1 bit	C	-	W	-	U	switch	Low
	51	Output C	Response status after change			1 bit	C	R	-	T	-	switch	Low

Link With Group Address

1.1.21 Relay M/R4.10.1  
Object: 10: Output A - Channel output

Existing New

Group Address

1 0 1

Name

Entrance Downlight

OK Cancel

Link With Group Address

1.1.21 Relay M/R4.10.1  
Object: 11: Output A - Response status after change

Existing New

Group Address

2 0 1

Name

Entrance Downlight Feedback

OK Cancel

Please select “Switch controller” as Rocker A operation function

1.1.3 4-button Panel M/P04.2 > --->Left & Right Button

General	Rocker A operation function:	Switch controller
Rocker A	Reaction on short button	Left=Toggle,Right=Toggle
--->Left & Right Button	Reaction on long button	Invalid
Rocker B	Delay for button	<input checked="" type="radio"/> No <input type="radio"/> Yes
--->Left & Right Button	Long button time after	1s
Rocker C	Delay send another object function	
--->Left & Right Button	Delay send function	<input checked="" type="radio"/> Disable <input type="radio"/> Enable
Rocker D	Status light display settings	
--->Left & Right Button	LED status source	Local status
	--LED status display	Flashing,then ON

Please link Channel A 's Group Address 1/0/1 with Rocker A. Then Rocker A will be able to control channel A after download Application.

The screenshot shows the ETS5 software interface. A table lists devices with columns for Number, Name, Object Function, Description, Group Address, Length, C, R, W, T, U, Data Type, and Priority. A context menu is open over the 'Rocker A short' row, with the 'Link with...' option highlighted. A red annotation '1. Right click to Link With' points to the context menu.

Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
60	Rocker A short	Switching			1 bit	C	-	W	T	U	switch	Low
90	Rocker B short	Switching			1 bit	C	-	W	T	U	switch	Low
120	Rocker C short	Switching			1 bit	C	-	W	T	U	switch	Low

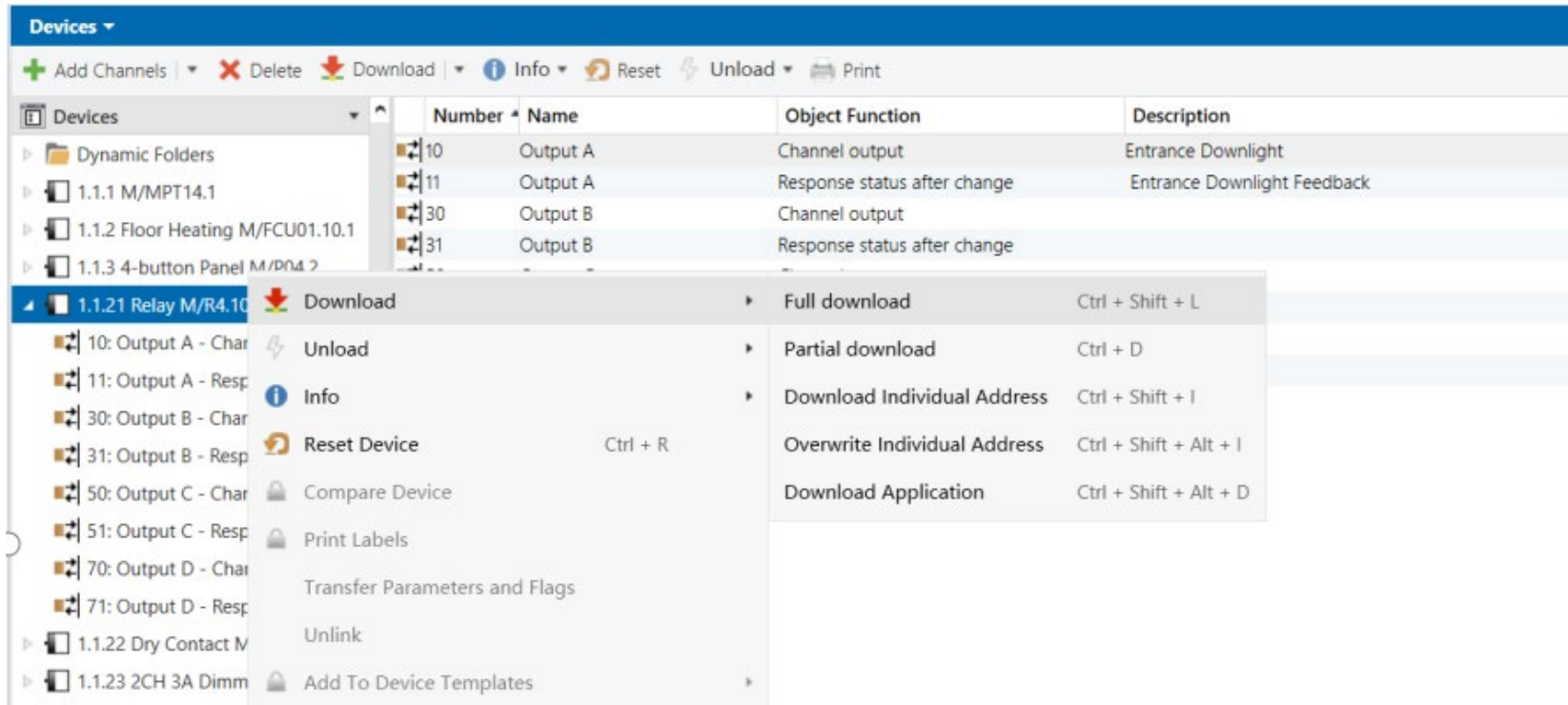
The dialog box 'Link With Group Address' is shown for '1.1.3 4-button Panel M/P04.2' with 'Object: 60: Rocker A short - Switching'. It has two tabs: 'Existing' (selected) and 'New'. Under the 'Existing' tab, there is a 'Group Address' input field with a search icon to its right. 'OK' and 'Cancel' buttons are at the bottom.

The dialog box 'Link With Group Address' is shown for '1.1.3 4-button Panel M/P04.2' with 'Object: 60: Rocker A short - Switching'. It has a search bar and a table of available group addresses. The first row is selected and highlighted in blue.

Sec	Group Address	Name	Description
3	1/0/1	Entrance Downlight	
	1/0/2	LivingRoom Downlight	

## Download data:

When downloading data to the relay for the first time , it needs to simultaneously download the physical address (the module that needs to modify the physical address needs to enter programming mode) and the setting of parameter , so the “Full Download ”can be selected. (When the physical address of the device has already been downloaded, “Partial Download” can be selected.



Please press the programming button to enter programming mode

	Group Address	Length	C	R	W	T	U	Data Type	Priority
	1/0/1	1 bit	C	-	W	-	U	switch	Low
Feedback	2/0/1	1 bit	C	R	-	T	-	switch	
		1 bit	C	-	W	-	U	switch	
		1 bit	C	R	-	T	-	switch	
		1 bit	C	-	W	-	U	switch	
		1 bit	C	R	-	T	-	switch	
		1 bit	C	-	W	-	U	switch	

Pending Operations

Active History

Cancel all

**1.1.21 Relay M/R4.10.1 (Bathroom)**

Please press programming button

► Download(All): Downloading



Programming Button

Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
Entrance Downlight	1/0/1	1 bit	C	-	W	-	U	switch	Low
Entrance Downlight Feedback	2/0/1	1 bit	C	R	-	T	-	switch	
		1 bit	C	-	W	-	U	switch	
		1 bit	C	R	-	T	-	switch	
		1 bit	C	-	W	-	U	switch	
		1 bit	C	R	-	T	-	switch	
		1 bit	C	-	W	-	U	switch	

Pending Operations

Active History

Clear History

**1.1.21 Relay M/R4.10.1**

► Download(All): Finished



Assumption: We want to use Rocker B(Left Button) on the panel to control scene No.1 (Turn on all Channels of this Relay) and Rocker B (Right Button) to control Scene No.2 (Turn off all Channels of this Relay).

### 1. Please enable Function Page for Channel A,B,C and D

1.1.21 Relay M/R4.10.1 > Channel A

General	Channel A work mode	Switch actuator
Channel A	Normally connected type	<input type="radio"/> Normally Closed <input checked="" type="radio"/> Normally Opened
A:function	Response of switch state ON/OFF	Only after change
Channel B	Save statistic for ON switching 'time (hour-2bytes)'	<input checked="" type="radio"/> Disable <input type="radio"/> Enable
Channel C	Save statistic for ON switching 'counter (4bytes)'	<input checked="" type="radio"/> Disable <input type="radio"/> Enable
Channel D	Switch state on bus voltage fail	Unchange
	Switch state after bus voltage recovery	Unchange
	Show function page=>>	<input type="radio"/> No <input checked="" type="radio"/> Yes

Please go to each channel's Function Page to enable Scene

1.1.21 Relay M/R4.10.1 > A:function

General	Enable function "time"	<input checked="" type="radio"/> Disable	<input type="radio"/> Enable
Channel A	Enable function "scene"	<input type="radio"/> Disable	<input checked="" type="radio"/> Enable
<b>A:function</b>	Enable function "threshold"	<input checked="" type="radio"/> Disable	<input type="radio"/> Enable
A:scene	Enable function "blinds"	<input checked="" type="radio"/> Disable	<input type="radio"/> Enable
Channel B	Enable function "logic"	<input checked="" type="radio"/> Disable	<input type="radio"/> Enable
Channel C			
Channel D			

1. Go to Scene page to select the status for Channel A, B, C, D in each Scene. (Take Channel A as an example. Other Channel also need to perform the same operation)

1.1.21 Relay M/R4.10.1 > A:scene		Scene No.1 Channel A is ON
General	>>Output is assigned to (scene 1..64 or not allocate)	Scene NO.01
Channel A	--Ouput ON/OFF:	<input type="radio"/> OFF <input checked="" type="radio"/> ON
A:function	--Output Delay:	<input checked="" type="radio"/> Disable <input type="radio"/> Enable
<b>A:scene</b>	>>Output is assigned to (scene 1..64 or not allocate)	Scene NO.02
Channel B	--Ouput ON/OFF:	<input checked="" type="radio"/> OFF <input type="radio"/> ON
Channel C	--Output Delay:	<input checked="" type="radio"/> Disable <input type="radio"/> Enable
Channel D	>>Output is assigned to (scene 1..64 or not allocate)	Not allocate
	--Ouput ON/OFF:	<input checked="" type="radio"/> OFF <input type="radio"/> ON

Scene No.2 Channel A is OFF

## 2. Create Group Address for Scene

Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U	Data Type	Priority
10	Output A	Channel output	Entrance Downlight	1/0/1	1 bit	C	-	W	-	U	switch	Low
11	Output A	Response status after change	Entrance Downlight Feedback	2/0/1	1 bit	C	R	-	T	-	switch	Low
20	Output A	Scene(8bit)	Relay Scene	1/0/70	1 byte	C	-	W	-	U		Low
30	Output B	Channel output			1 bit	C	-	W	-	U	switch	Low
31	Output B	Response status after change			1 bit	C	R	-	T	-	switch	Low
40	Output B	Scene(8bit)	Relay Scene	1/0/70	1 byte	C	-	W	-	U		Low
50	Output C	Channel output			1 bit	C	-	W	-	U	switch	Low
51	Output C	Response status after change			1 bit	C	R	-	T	-	switch	Low
60	Output C	Scene(8bit)	Relay Scene	1/0/70	1 byte	C	-	W	-	U		Low
70	Output D	Channel output			1 bit	C	-	W	-	U	switch	Low
71	Output D	Response status after change			1 bit	C	R	-	T	-	switch	Low
80	Output D	Scene(8bit)	Relay Scene	1/0/70	1 byte	C	-	W	-	U		Low

## 1. Panel Setting: Change Rocker B operation function into Scene Controller

1.1.4 M/P04.2 > --->Left & Right Button

General	Rocker B operation function:	Scene controller
Rocker A	Left button	Switch controller
--->Left & Right Button	Call scene number of the left	Dimming controller
Rocker B	Call scene toggled	Shutter controller
--->Left & Right Button	Right button	Flexible controller
Rocker C	Call scene number of the right	Scene controller ✓
--->Left & Right Button	Call scene toggled	Sequence controller
Rocker D	Long button operation as	Percentage controller
--->Left & Right Button	Delay operation for left short button (0..255s)	Threshold controller
--->Left & Right Button	Delay operation for right short button (0..255s)	String(14bytes) controller
	Long button time after	Alternate controller
	Status light display settings	Pulse controller
	LED status source	Combination controller
	--LED status display	

Group Objects / Parameter

2. Rocker B(Left Button) on the panel to control scene No.1and Rocker B (Right Button) to control Scene No.2 .

1.1.4 M/P04.2 > --->Left & Right Button

General	Rocker B operation function:	Scene controller
Rocker A	Left button	
--->Left & Right Button	Call scene number of the left	Scene NO.01
Rocker B	Call scene toggled	<input checked="" type="radio"/> Disable <input type="radio"/> Enable
--->Left & Right Button	Right button	
Rocker C	Call scene number of the right	Scene NO.02
--->Left & Right Button	Call scene toggled	<input checked="" type="radio"/> Disable <input type="radio"/> Enable
Rocker D	Long button operation as	Invalid
--->Left & Right Button	Delay operation for left short button (0..255s)	0
	Delay operation for right short button (0..255s)	0
	Long button time after	1s
	Status light display settings	
	LED status source	Local status
	--LED status display	Flashing,then ON

### 3. Link the Relay Scene's Group Address with Rocker B.

Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U
60	Rocker A short	Switching	Entrance Downlight	1/0/1	1 bit	C	-	W	T	U
90	Rocker B short	Call scene	Relay Scene	1/0/70	1 byte	C	-	W	T	U
120	Rocker C short	Switching			1 bit	C	-	W	T	U
150	Rocker D short	Switching			1 bit	C	-	W	T	U

### 4. Download Data to the panel and relay.

Properties >

- Find and Replace
- Workspaces
- Todo Items
- Pending Operations

Active | History

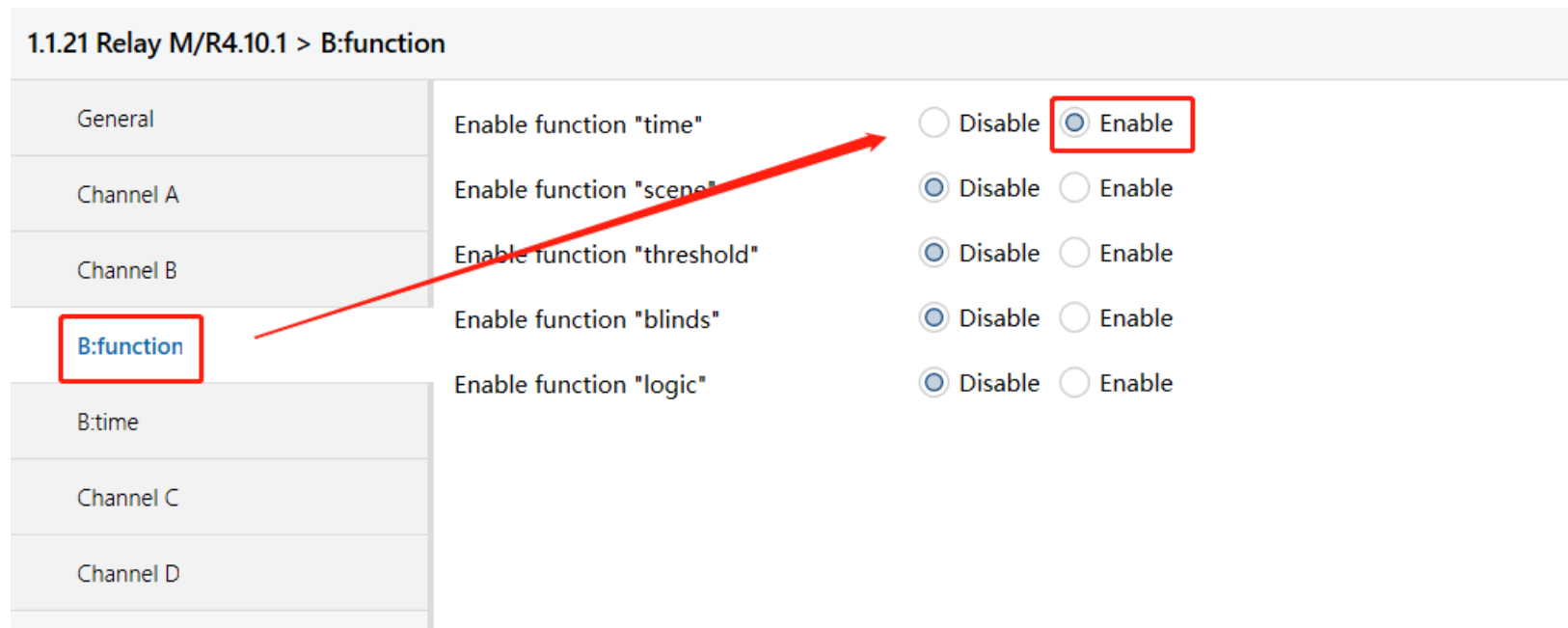
- Clear History
- 1.1.4 M/P04.2
  - Download(Part): Finished
- 1.1.21 Relay M/R4.10.1
  - Download(Part): Finished

For example, we want to use Relay channel B as Staircase lighting. Then when channel B is turned on, it will turn off automatically after a set time.

### 1.Enable time function

1.1.21 Relay M/R4.10.1 > B:function

General	Enable function "time"	<input type="radio"/> Disable	<input checked="" type="radio"/> Enable
Channel A	Enable function "scene"	<input checked="" type="radio"/> Disable	<input type="radio"/> Enable
Channel B	Enable function "threshold"	<input checked="" type="radio"/> Disable	<input type="radio"/> Enable
<b>B:function</b>	Enable function "blinds"	<input checked="" type="radio"/> Disable	<input type="radio"/> Enable
B:time	Enable function "logic"	<input checked="" type="radio"/> Disable	<input type="radio"/> Enable
Channel C			
Channel D			



## 2. Select staircase lighting and set some time for off.

1.1.21 Relay M/R4.10.1 > B:time	
General	Time function <span>Staircase lighting</span>
Channel A	Control staircase lighting <span>Start with '1', Stop with '0'</span>
Channel B	Change staircase lighting time via bus <input checked="" type="radio"/> No <input type="radio"/> Yes
B:function	Alarm staircase lighting to bus <input checked="" type="radio"/> No <input type="radio"/> Yes
<b>B:time</b>	>>Time for off:(0..255 Min) <input type="text" value="0"/>
Channel C	--Time for off:(0..59 Sec) <input type="text" value="5"/>
Channel D	Additional function: Warning staircase lighting(ON->OFF->ON) <input checked="" type="radio"/> No <input type="radio"/> Yes

## 1. Create a group address for the Staircase light.

Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U
10	Output A	Channel output	Entrance Downlight	1/0/1	1 bit	C	-	W	-	U
11	Output A	Response status after change	Entrance Downlight Feedback	2/0/1	1 bit	C	R	-	T	-
30	Output B	Channel output			1 bit	C	-	W	-	U
31	Output B	Response status after change			1 bit	C	R	-	T	-
37	Output B	Staircase light	Staircase light	1/3/1	1 bit	C	-	W	-	U

## 2. Link Staircase light's group address with 4-button Panel's Rocker C . Then download data to the relay and panel.

1.1.4 M/P04.2 > --->Left & Right Button

General	Rocker C operation function:	Switch controller
Rocker A	Reaction on short button	Left=Toggle,Right=Toggle
--->Left & Right Button	Reaction on long button	Invalid
Rocker B	Delay for button	<input checked="" type="radio"/> No <input type="radio"/> Yes
	Long button time after	1s

Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U
60	Rocker A short	Switching	Entrance Downlight	1/0/1	1 bit	C	-	W	T	U
90	Rocker B short	Call scene	Relay Scene	1/0/70	1 byte	C	-	W	T	U
120	Rocker C short	Switching	Staircase light	1/3/1	1 bit	C	-	W	T	U
150	Rocker D short	Switching			1 bit	C	-	W	T	U

If we want to use Channel C and Channel D to control blinds, how can we do that ?

### 1.Enable binds function

1.1.21 Relay M/R4.10.1 > C:function

General	Enable function "time"	<input checked="" type="radio"/> Disable	<input type="radio"/> Enable
Channel A	Enable function "scene"	<input checked="" type="radio"/> Disable	<input type="radio"/> Enable
Channel B	Enable function "threshold"	<input checked="" type="radio"/> Disable	<input type="radio"/> Enable
B:function	Enable function "blinds"	<input type="radio"/> Disable	<input checked="" type="radio"/> Enable
B:time	Enable function "logic"	<input checked="" type="radio"/> Disable	<input type="radio"/> Enable
Channel C			
<b>C:function</b>			
C:blinds			

2. Make Channel C for Blinds UP, and Channel D for Blinds Down.
3. Select Move UP/DOWN and Adjustment as Control mode.
4. Measure the time the blinds takes to fully open and close, then enter the Moving time.

1.1.21 Relay M/R4.10.1 > C:blinds

General	Blinds UP('0'-value)	Channel C
Channel A	Blinds DOWN('1'-value)	Channel D
Channel B	Control mode	<input checked="" type="radio"/> Move UP/DOWN and Adjustment <input type="radio"/> Move UP/DOWN
B:function	Adjustment time	100ms
B:time	Delay time for running direction changed	200ms
Channel C	Moving time(2..65535s)	10
C:function		

[C:blinds](#)

## 5. Create Group address for blinds

Download | Info | Reset | Unload | Print

Search

Number	Name	Object Function	Description	Group Address	Length	C	R	W	T	U
10	Output A	Channel output	Entrance Downlight	1/0/1	1 bit	C	-	W	-	U
11	Output A	Response status after change	Entrance Downlight Feedback	2/0/1	1 bit	C	R	-	T	-
30	Output B	Channel output			1 bit	C	-	W	-	U
31	Output B	Response status after change			1 bit	C	R	-	T	-
37	Output B	Staircase light	Staircase light	1/3/1	1 bit	C	-	W	-	U
50	Output C	Channel output			1 bit	C	-	W	-	U
51	Output C	Response status after change			1 bit	C	R	-	T	-
64	Output C	Moving for Blinds(0-UP;1-DOWN)	Blinds open&close	1/5/1	1 bit	C	-	W	-	U
65	Output C	Adjust/Stop for Blinds	Blinds stop	1/5/2	1 bit	C	-	W	-	U
70	Output D	Channel output			1 bit	C	-	W	-	U
71	Output D	Response status after change			1 bit	C	R	-	T	-

6. Use Panel's Rocker D to control binds. Select the rocker's work mode as Independent button mode.

1.1.4 M/P04.2 > Rocker D

General	Rocker D work mode	<input checked="" type="radio"/> Independent button mode <input type="radio"/> Combined button mode
Rocker A	Use backlight	<input type="radio"/> No <input checked="" type="radio"/> Yes
--->Left & Right Button	Status light initial brightness	
Rocker B	--Initial brightness of left LED	Level (100%) ▼
--->Left & Right Button	--Initial brightness of right LED	Level (100%) ▼
Rocker C	Status light brightness settings	
--->Left & Right Button	--Brightness of left LED ON status	Level (100%) ▼
	--Brightness of left LED OFF status	Level (00%) ▼
	--Brightness of right LED ON status	Level (100%) ▼
	--Brightness of right LED OFF status	Level (00%) ▼
	When 'dim down automatically' enable	
	--The first time press left button reaction	<input type="radio"/> Brightness of ON status <input checked="" type="radio"/> Normal operation

## 7.Set parameters.

1.1.4 M/P04.2 > --->Left Button

General	Rocker D left operation function:	Shutter controller
Rocker A	Reaction on short button	Moving->UP
--->Left & Right Button	->Stop moving automatically	<input checked="" type="radio"/> Disable <input type="radio"/> Enable
Rocker B	Reaction on long button	Press:Move->UP,Release:Stop
--->Left & Right Button	Long button time after	1s
Rocker C	Status light display settings	
--->Left & Right Button	LED status source	Local status
Rocker D	--LED status display	Flashing,then ON

--->Left Button

--->Right Button

Select Shutter controller to control Curtains

Short press left button , the binds will moving up.

Long press the left button, binds will move up. Release the button, blinds will stop.

1.1.4 M/P04.2 > --->Right Button

General	Rocker D right operation function:	Shutter controller
Rocker A	Reaction on short button	Moving->DOWN
--->Left & Right Button	->Stop moving automatically	<input checked="" type="radio"/> Disable <input type="radio"/> Enable
Rocker B	Reaction on long button	Press:Move->DOWN,Release:Stop
--->Left & Right Button	Long button time after	1s
Rocker C	Status light display settings	
--->Left & Right Button	LED status source	Local status
Rocker D	--LED status display	Flashing,then ON

--->Right Button

Select Shutter controller to control Curtains

Short press right button , the binds will moving up.

Long press the left button, binds will move up. Release the button, blinds will stop.

The background of the image is a photograph of a modern building with a prominent glass facade, viewed from a low angle. The entire image is overlaid with a semi-transparent purple filter. The word "THANKS" is centered in the middle of the image in a large, white, bold, sans-serif font.

**THANKS**