

HDL[®]



4 CH 16A Relay Module
HDL-MR0416.431

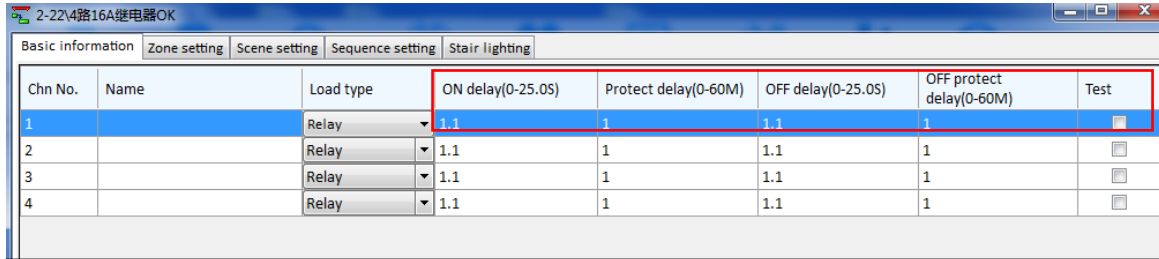
Relay introduction

- The relay module has scene setting, users can be very easy to use different combinations on the panel after programming. The relay module can control many kinds of lights and electrical equipment.
- Relay module has sequence function, it can be set up in the specified time or several step to connect or disconnect. This function can be used in sequential switch control.

Example 1: The sequence function can turn on/off the DVD and power amplifier one by one, in order to protect the HIFI from the on/off noise.

Example 2: The sequence function can control the sprinkler irrigation system to water the grass and flowers in a large garden.

Channel



Chn No.	Name	Load type	ON delay(0-25.0S)	Protect delay(0-60M)	OFF delay(0-25.0S)	OFF protect delay(0-60M)	Test
1		Relay	1.1	1	1.1	1	<input type="checkbox"/>
2		Relay	1.1	1	1.1	1	<input type="checkbox"/>
3		Relay	1.1	1	1.1	1	<input type="checkbox"/>
4		Relay	1.1	1	1.1	1	<input type="checkbox"/>

Off Power Delay: set the delay time to turn off load when receives off command.

Off Protect Delay: when turn on load, can not turn off it immediately until the off protect delay time elapse.

Switching On Delay: set the delay time to turn on load when receives on command.

Protection Delay: when turn off load, can not turn on it immediately until the protection delay time elapse.

Test : for testing each channel

Zone

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Basic information | **Zone setting** | Scene setting | Sequence setting | Stair lighting

All Zone

- 1-zone1
- 2-zone2

All zone in total: 2

Name: zone2

Modify Remark

Add Zone

Delete Zone

<<<-----

----->>>

Channel information

Chn No.	Name
3	Test
4	

Save & Close

Refresh scenes level

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Test the channel

Mark the zone name

Zone Setup

The screenshot shows the 'Zone setting' tab of the HDL software. The interface includes a tree view on the left, a central configuration area, and a table on the right. Red boxes highlight key elements, and callout boxes provide instructions:

- 1. Mark zone name:** Points to the 'Name: zone2' text field.
- 2. Add zone:** Points to the 'Add Zone' button.
- 3. Select the channel:** Points to the selected row (Chn No. 4) in the 'Channel information' table.
- 4. Select the zone:** Points to the '1-zone1' and '2-zone2' items in the 'All Zone' tree.
- 5. Add the channel to the zone:** Points to the '<<<-----' button.
- 6. Save:** Points to the save icon button at the bottom.

Channel information table:

Chn No.	Name	Test
3		
4		

Scene

The screenshot shows the 'Scene setting' tab of a software interface. It includes a 'Choose zone' dropdown menu, a 'Scene restore mode after power on' section with radio buttons, and two tables: 'All scenes' and 'Channel Information'. The 'All scenes' table has columns for Scene No., Name, and Runtime(mm:ss). The 'Channel Information' table has columns for Chn No., Name, and ON/OFF. Red boxes and arrows highlight specific elements, with callout boxes providing instructions.

Annotations:

- Select the zone:** Points to the '1-回火梯' dropdown menu.
- Select a scene for scene restoration when power on:** Points to the 'Specified scene' radio button.
- Select the state of each channel:** Points to the 'ON/OFF' column in the 'Channel Information' table.
- Set the running time for the scene:** Points to the 'Runtime(mm:ss)' column in the 'All scenes' table.
- Remark the scene:** Points to the 'Name' column in the 'All scenes' table.

Scene No.	Name	Runtime(mm:ss)
0	全灭	0 : 0
1	全开	0:0
2	半开	0:0
3		0:0
4		0:0
5		0:0
6		0:0
7		0:0
8		0:0

Chn No.	Name	ON/OFF
1		OFF
2		OFF
3		OFF

Sequence

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Basic information | Zone setting | Scene setting | **Sequence setting** | Stair lighting

Choose zone: 1-Zone1 | Current selected sequence: 2 | Output current sequence

Current sequence information

Sequence No.	Name	Mode	Run times	Step count	Out of sequence
1	1	Random...	1	1	Valid
2	2	Forward...	25	4	Valid

Steps information for the current sequence

Step No.	Scene name
1	0-全灭
2	3-
3	2-半开
4	1-全开

Basic setting for each sequence

Sequence information

Save & Close | Refresh scenes level

Device: | 2-22V4路16A继电器OK

Sequence Setup

Basic information | Zone setting | Scene setting | **Sequence setting** | Stair lighting

Choose zone: 1-Zone1 | Current selected sequence: 2 | Output current sequence

Current sequence information

Sequence No.	Name	Mode	Run times	Step count	Out of sequence
1	1	Random...	1	1	Valid
2	2	Forward...	25	4	Valid

Steps information for the current sequence

Step No.	Scene name
1	0-全灭
2	3-
3	2-半开
4	1-全开

1. Select the sequence

2. Select the sequence mode
3. Set run times for the sequence
4. Select the steps number

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Save & Close | Refresh scenes level

Sequence Step

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Basic information Zone setting Scene setting Sequence setting Stair lighting

Choose zone: 1-Zone1 Current selected sequence: 2 Output current sequence

Current sequence information

Sequence No.	Name	Mode	Run times	Step count	Out of sequence
1	1	Random...	1	1	Valid
2	2	Forward...	25	4	Valid

Steps information for the current sequence

Step No.	Scene name
1	0-全灭
2	3-
3	2-半开
4	1-全开

6. Select the scene for each step

7. Save

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Save & Close Refresh scenes level

Stair Light

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Basic information Zone setting Scene setting Sequence setting Stair lighting

Chn No.	Name	Stair light	Auto Close(S)	Test
1		<input checked="" type="checkbox"/>	7	<input type="checkbox"/>
2		<input checked="" type="checkbox"/>	7	<input type="checkbox"/>
3		<input checked="" type="checkbox"/>	7	<input type="checkbox"/>
4		<input checked="" type="checkbox"/>	7	<input type="checkbox"/>

Stair light: use with PIR sensor, when sensor detects movement, turn on light, the light will off automatically after the setting time

at the same time or not.

Channel 1-2Exclusion
 Channel 3-4Exclusion

For testing

Check the box to enable exlusion function

Save & Close Refresh scenes level

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Stair Light Setup

Chn No.	Name	Stair Light	Auto Close(S)	Test
1		<input checked="" type="checkbox"/>	7	<input type="checkbox"/>
2		<input checked="" type="checkbox"/>	7	<input type="checkbox"/>
3		<input checked="" type="checkbox"/>	7	<input type="checkbox"/>
4		<input checked="" type="checkbox"/>	7	<input type="checkbox"/>

1.Enable the stair light

2.Set the auto close time.

Prompt: If load type is on the stairs, you can set a time, after the time(1-3600s),it could be closed by itself.
Every two channels make a group.In every group, you can select whether you want to open the two channels at the same time or not.

Channel 1-2Exclusion
 Channel 3-4Exclusion

3.Save

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