

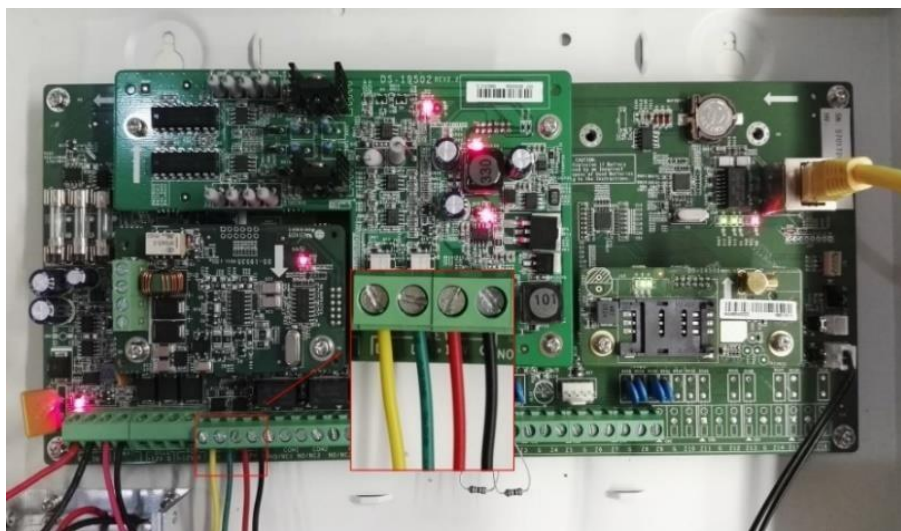
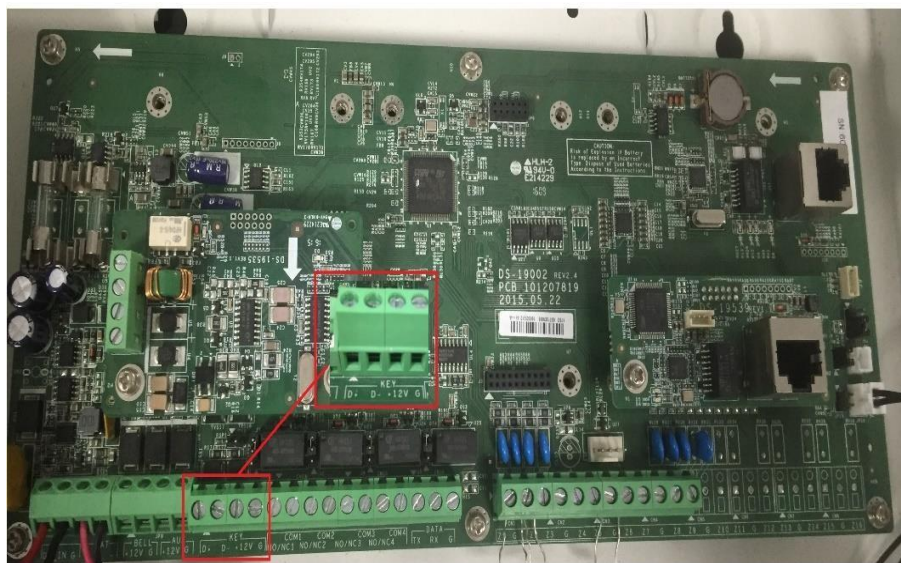
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Product:	DS-19A Series Network Security Control Panel			Page:	1 of 6

Preparation

1. DS-19A08-BNG Security Control Panel
2. RS485 Expander module, 4-ch-Relay Output expander module DS-PM-RSO4-H

How to connect RS485 Output Expander Module and Configure

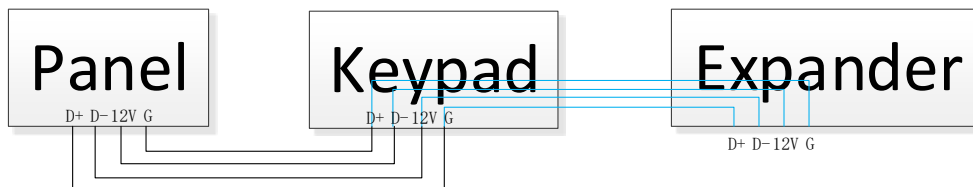
1. Find the port for Output RS485 Expander Module.
RS485 Expander Module & Keypad use same RS485 port.



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2. RS485 Expander Module Connection Type and DIP address.

- 1) If you have **more than one keypad or RS485 expander module**, the connection like below, all Expander module connection length should not be greater than 1200m



- 2) Then change the DIP address as below, every Expander module need **different DIP address**.

DIP address 0 is for global keypad. RS485 Expander module can use other address.



Address: 0



Address: 1

RS485 device address from
0 to 31

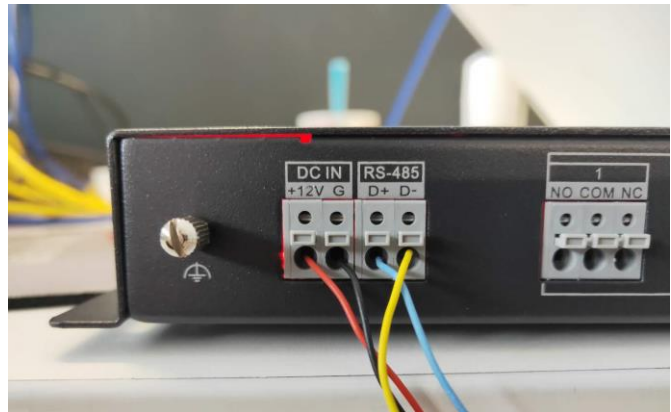


Address: 31

3. Connect RS485 Expander Module to control panel.

- 1) Power off the control panel.
- 2) Connect RS485 expander module to control panel.
- 3) Change the expander module DIP address, every expander module need **different DIP address**. DIP address from 1-31. 4-ch Output expander module address is 3 as below.

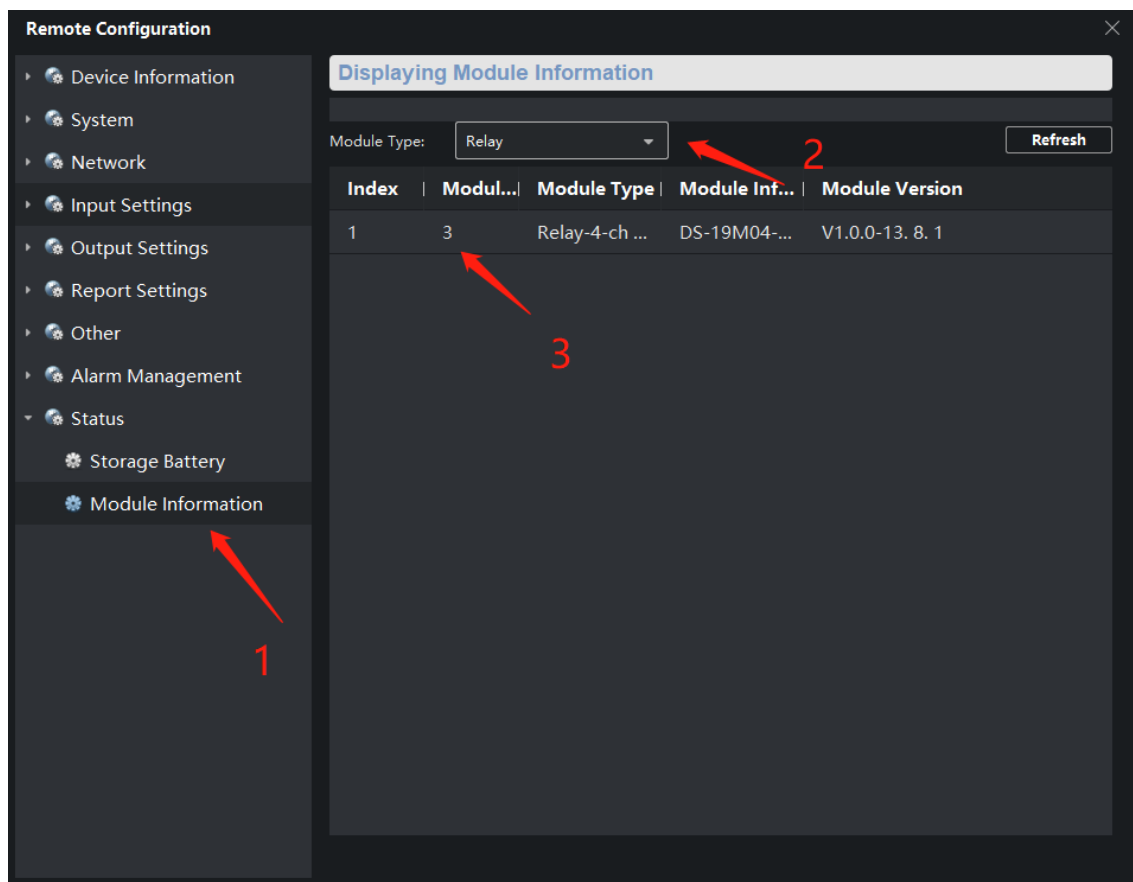
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4) Power up the panel.

4. Check the Expander module Status in iVMS-4200

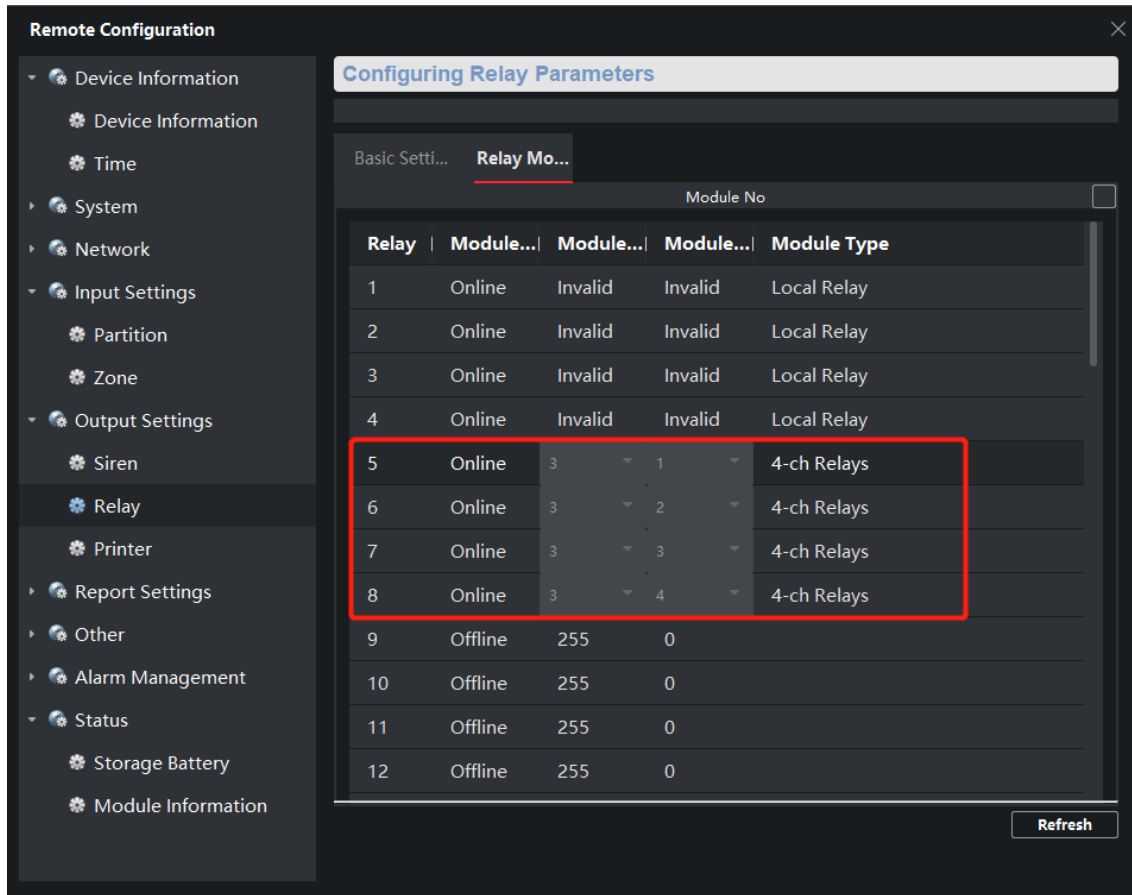
- 1) Open Status---Module Information
- 2) Select Module Type---Relay
- 3) Check the Module status and address.



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5. Check the Relay address in iVMS-4200

- 1) Open Output Settings---Relay---Relay Module
- 2) Check the Expander module corresponds to the Relay address.
- 3) 4-ch Relay Output Expander module address 3 corresponds to the Relay 5---Relay 8 as below.



6. Configure Relay Output in iVMS-4200

- 1) Open Output Settings---Relay---Basic Setting
- 2) Configure Relay 5 for example.
- 3) Disarm---Close; Alarm on---Open; Clear Keyboard---Close; As below picture.

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Remote Configuration

Configuring Relay Parameters

Basic Sett... **Relav Mo...**
Trigger Parameters Settings

Trigger: 5 Refresh

Name: Relay 5

Output Delay(s): 30

Relay

1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11	Relay 11	30	
12	Relav 12	30	

Copy to... Save Cancel Refresh

Partition ... Global Eve...

Partition: 1

Partition Event | Link to Relay

Disarm	<input type="radio"/> Open	<input checked="" type="radio"/> Close
Alarm On	<input checked="" type="radio"/> Open	<input type="radio"/> Close
Clear Keybo...	<input type="radio"/> Open	<input checked="" type="radio"/> Close



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