

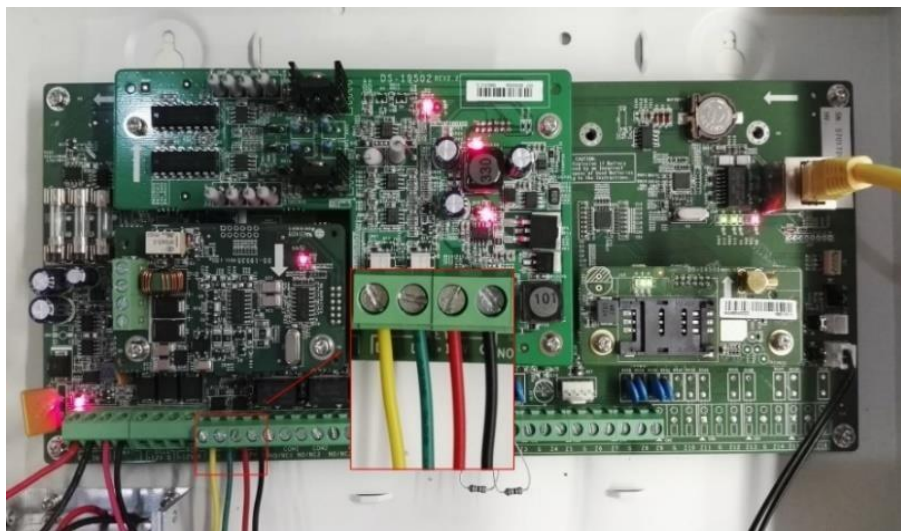
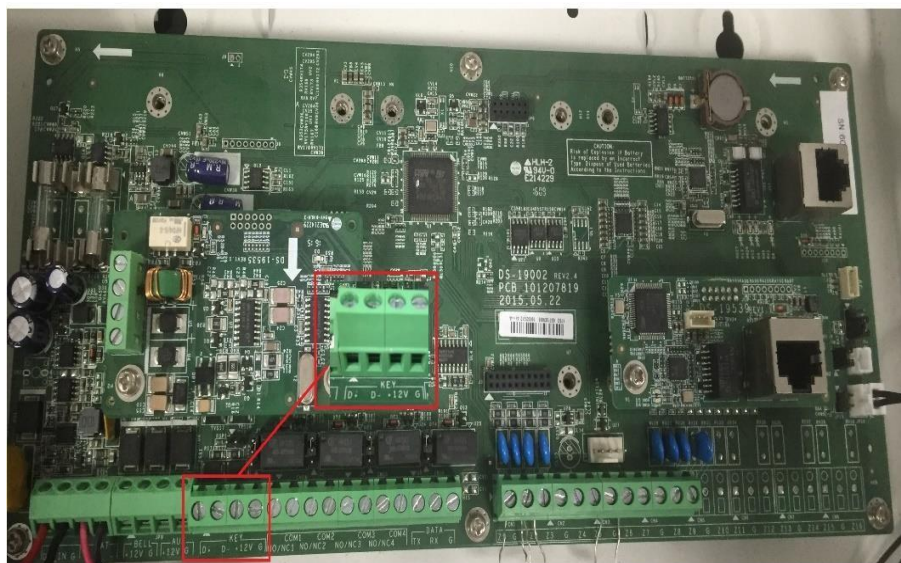
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|-----------------|--|-----------------|------|--------------|------------|
| <b>Title:</b>   | DS-19A How to connect RS485 Expander Module to control Panel | <b>Version:</b> | v1.0 | <b>Date:</b> | 11/26/2018 |
| <b>Product:</b> | DS-19A Series Network Security Control Panel                 |                 |      | <b>Page:</b> | 1 of 6     |

## Preparation

1. DS-19A08-BNG Security Control Panel
2. RS485 Expander module, Eight-zone Input expander module DS-PM-RS18

### How to connect RS485 Expander Module to control Panel

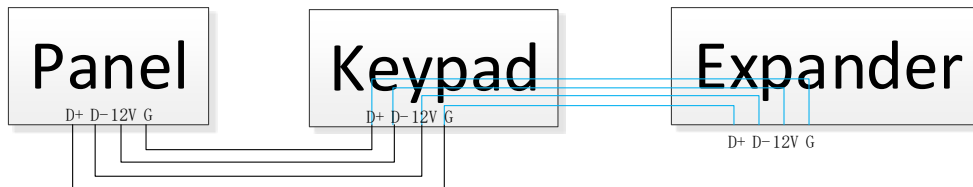
1. Find the port for RS485 Expander Module.  
RS485 Expander Module & Keypad use same RS485 port.



|                 |  |                 |      |              |            |
|-----------------|--|-----------------|------|--------------|------------|
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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.

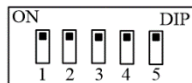


Address: 0



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**. Eight-zone Input expander module address is 3 as below.

|                 |  |                 |      |              |            |
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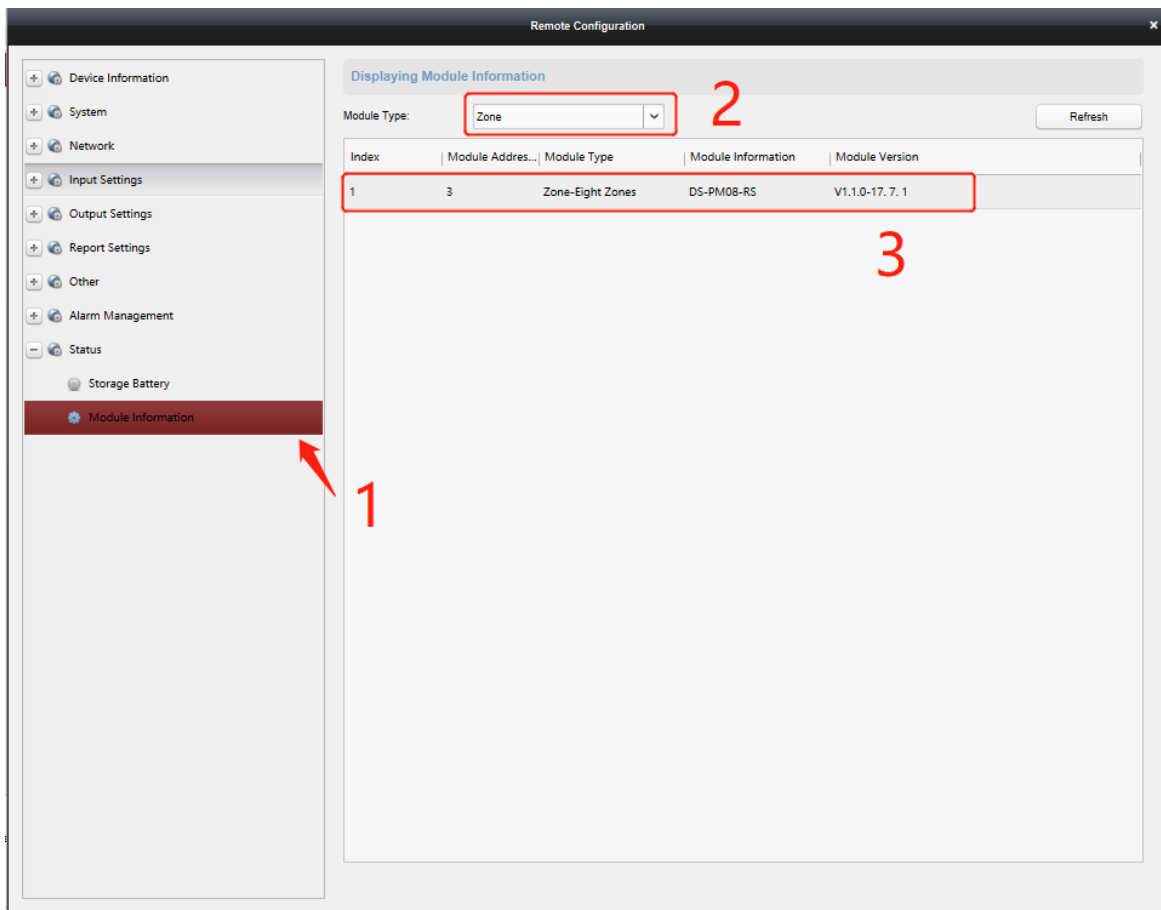


- 4) Power up the panel.
- 5) Comm. Light **Green flash** means 485 communication normal; Status light keep on **Red** means Zone & Tamper normal; Run light keep on **Red**, means device normal.

#### **4. Check the Expander module Status in iVMS-4200**

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

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## 5. Check the zone address in iVMS-4200

- 1) Open Input Settings---Zone---Zone module
- 2) Check the Expander module corresponds to the Zone address.
- 3) Eight-zone Expander module address 3 corresponds to the Zone 9---Zone16 as below.

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Remote Configuration

Configuring the Zone Parameters

Basic Settings **Zone Module**

| Zone | Module Status | Module Address | Module Channel ... | Module Type |
|------|---------------|----------------|--------------------|-------------|
| 1    | Online        | Invalid        | Invalid            | Local Zone  |
| 2    | Online        | Invalid        | Invalid            | Local Zone  |
| 3    | Online        | Invalid        | Invalid            | Local Zone  |
| 4    | Online        | Invalid        | Invalid            | Local Zone  |
| 5    | Online        | Invalid        | Invalid            | Local Zone  |
| 6    | Online        | Invalid        | Invalid            | Local Zone  |
| 7    | Online        | Invalid        | Invalid            | Local Zone  |
| 8    | Online        | Invalid        | Invalid            | Local Zone  |
| 9    | Online        | 3              | 1                  |             |
| 10   | Online        | 3              | 2                  |             |
| 11   | Online        | 3              | 3                  |             |
| 12   | Online        | 3              | 4                  |             |
| 13   | Online        | 3              | 5                  |             |
| 14   | Online        | 3              | 6                  |             |
| 15   | Online        | 3              | 7                  |             |
| 16   | Online        | 3              | 8                  |             |
| 17   | Offline       | Invalid        | Invalid            |             |
| 18   | Offline       | Invalid        | Invalid            |             |

Refresh Save



|                 |  |                 |      |              |            |
|-----------------|--|-----------------|------|--------------|------------|
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