





## Packing List

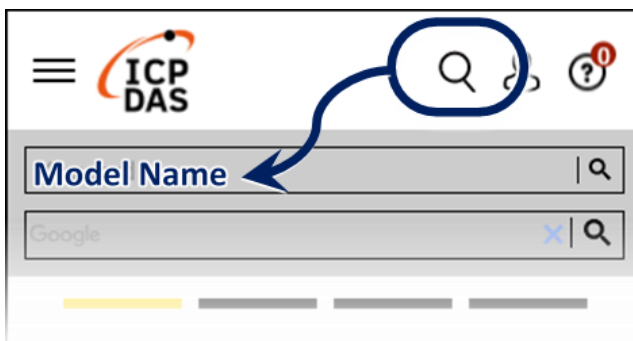
UA I/O package includes this document and the following items:

|   |   |  |
|---|---|--|
| <p><b>U-75xx I/O Module</b></p>                                  | <p><b>MicroSD Card</b></p>  <p>* This card is already in the I/O module. It is used to install the FW. <b>DO NOT</b> remove it.</p> | <p><b>Screw Driver</b></p>  |
| <p><b>DB-1820</b></p>  <p>For<br/>U-7518ZM/S<br/>U-7519ZM/S</p> | <p><b>DN-1822 CA-252518D-1</b></p>  <p>For<br/>U-7518ZM/S2<br/>U-7519ZM/S2</p>   |  |

## Technical Resources

How to search for drivers, manuals and spec information on ICP DAS website.

- For Mobile Web



### Technical Support

[service@icpdas.com](mailto:service@icpdas.com)

<https://www.icpdas.com>

- For Desktop Web



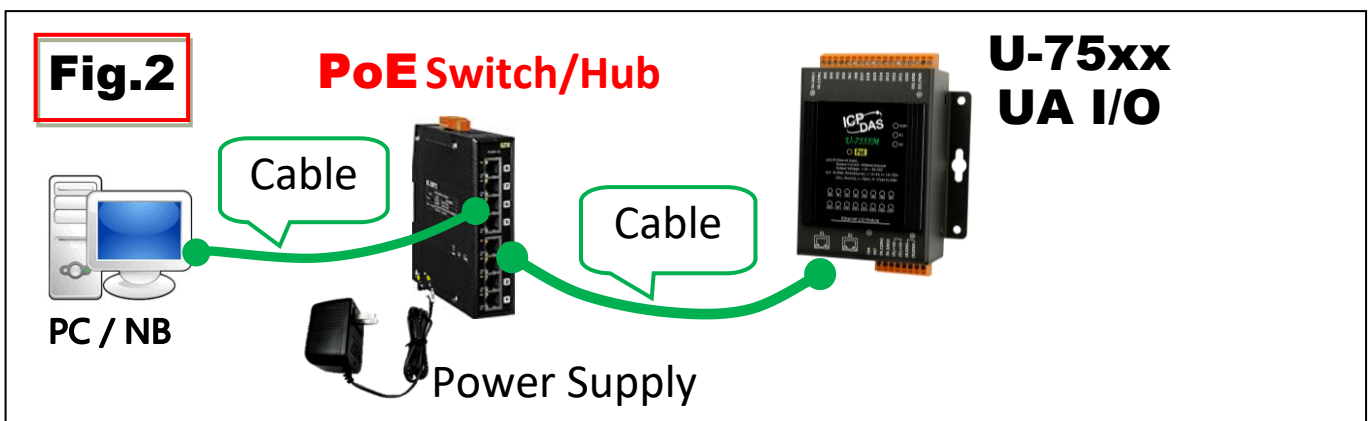
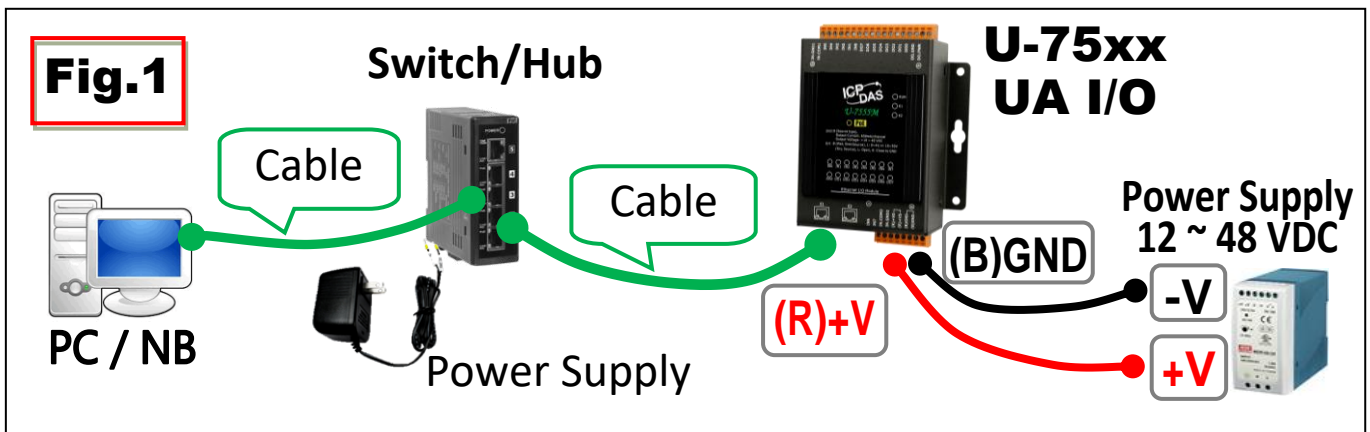
# 1. Preparations for Devices

1. PC/NB: Can connect to the network and set the network
2. Ethernet Switch/Hub (Ex: NS-205A or PoE Switch NSM-208SE)
3. Power Supply: +12 ~ +48 VDC (Ex: MDR-60-24)

## 2. Hardware Connection

Connect the UA I/O Module with the RJ-45 Ethernet port to an Ethernet switch/hub (Fig.2 for PoE Switch) and PC. You can also directly link the U-75xx to PC with an Ethernet cable.

After power is connected, please **【wait 1 minute】** for U-75xx start-up procedure. When the "RUN" light starts flashing, it represents the boot is complete.



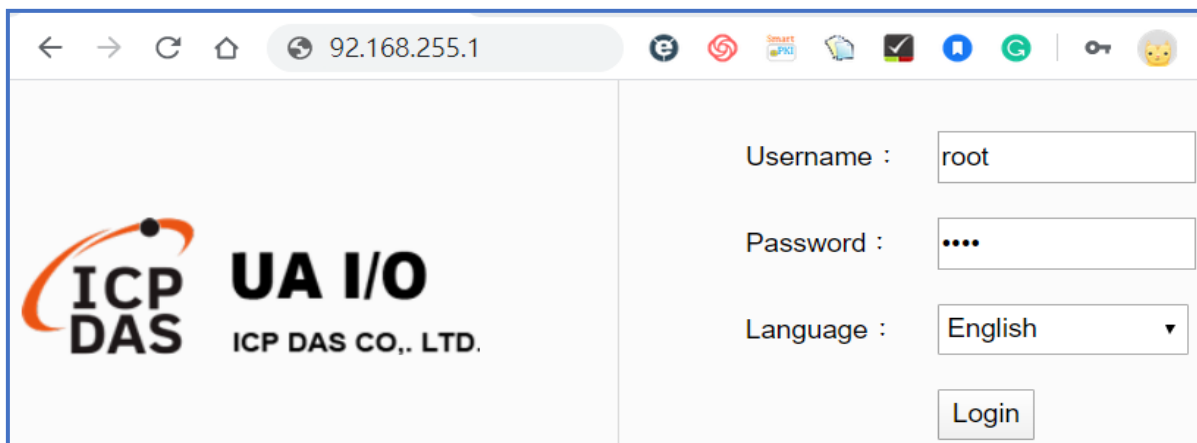
# 3. Network Connection

| Factory Default Settings of U-75xx |          |               |  |
|------------------------------------|----------|---------------|--|
| Network                            | IP       | 192.168.255.1 | Assign U-75xx a new IP setting according to your case. |
|                                    | Mask     | 255.255.0.0   |  |
|                                    | Gateway  | 192.168.1.1   |  |
| Web UI Account                     | Username | root          | After login, change the username/ password at once.    |
|                                    | Password | root          |  |

1. Change the **PC's IP** setting as following.  
(Write down the **PC original** network settings before modify.)  
EX:

|                 |                |
|-----------------|----------------|
| IP              | 192.168.255.10 |
| Subnet mask     | 255.255.0.0    |
| Default Gateway | 192.168.1.1    |

2. Make sure the PC and U-75xx is connecting through Ethernet. And then open a PC side browser (Ex: Chrome, IE...). Type **http://192.168.255.1** in the URL address. Use default Web UI username/password **root/root** to login.



3. Change the Username/password in **【 Account Setting 】** of **【 System Setting 】** , or user cannot use any other function.

ICP DAS UA I/O ICP DAS CO., LTD.

System Setting Module Setting OPC UA Setting MQTT Setting Adva

Overview  
Network Setting  
Time Setting  
**Account Setting**  
Firmware Setting  
Web Server Setting

Account Setting

|                  |      |
|------------------|------|
| Username         | root |
| Password         | .... |
| Confirm Password | .... |

Save

4. Click **【 System Setting 】** → **【 Network Setting 】** > **【 Network Setting(LAN) 】** to change the IP settings by user network.

System Setting OPC UA Setting MQTT Setting

Overview  
**Network Setting**  
Time Setting  
Account Setting  
I/O Setting  
I/O Status  
Firmware Setting

Network Setting (LAN)

Connection Mode  Specify an IP address.  
 Obtain an IP address automatically.

|            |     |     |    |     |
|------------|-----|-----|----|-----|
| IP Address | 192 | 168 | 81 | 252 |
| Mask       | 255 | 255 | 0  | 0   |
| Gateway    | 192 | 168 | 1  | 1   |

MAC Address 00:0d:e0:b0:f0:00

Save

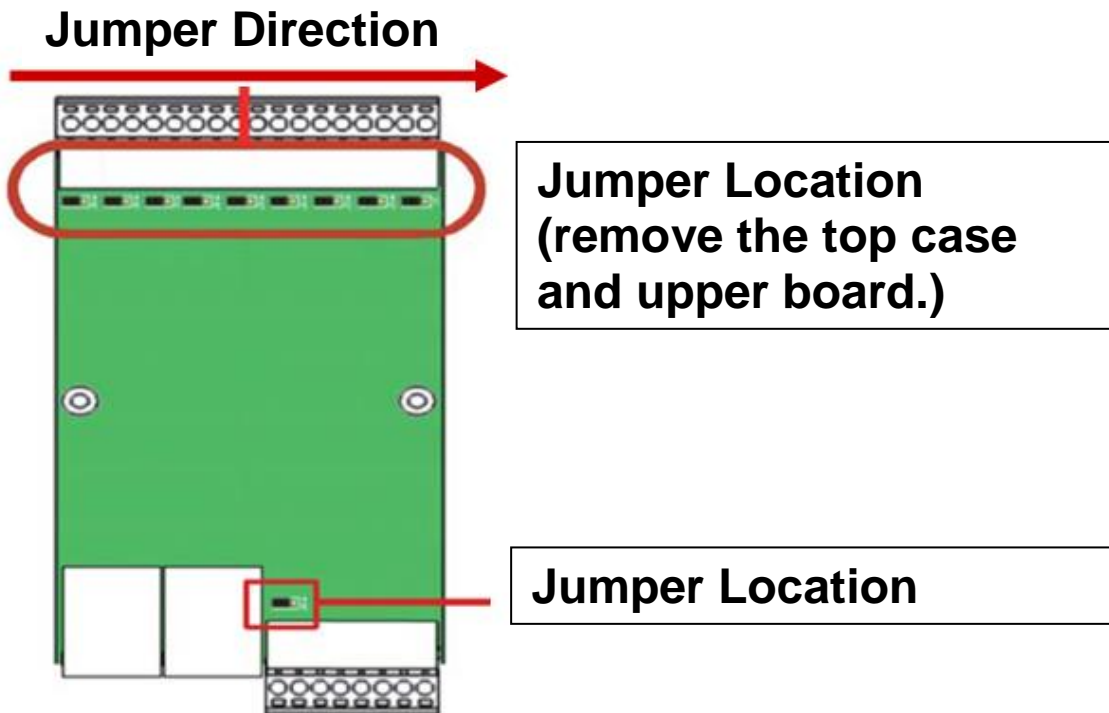
5. Save the IP settings, restore the PC original IP settings, and then type the **new IP/Username/Password** in the browser to login the Web UI of U-75xx to configure user's UA project.

# ● AI/AO Jumper Setting

To change the Selection Jumpers for Analog channels:

1. Remove the top case and upper board of the module, the selection jumpers are next to the connector.

**Jumper Location Figure**

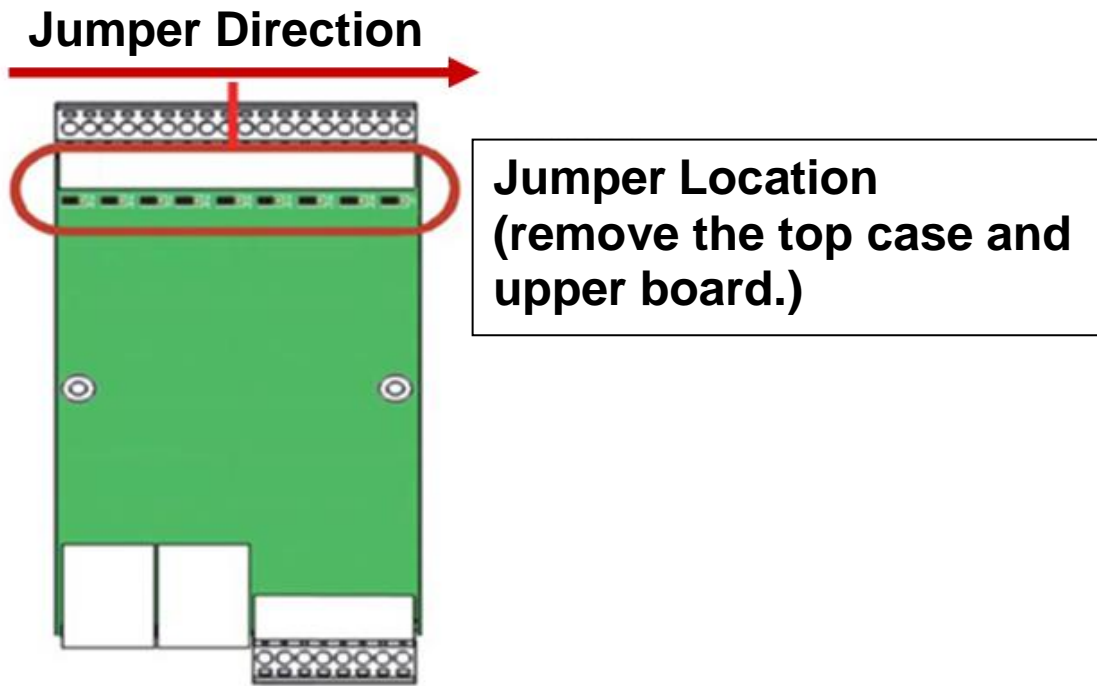


| U-7502M |       |       |
|---------|-------|-------|
| Channel | Vin1± | Vin0± |
| Jumper  | J2    | J1    |
|         |       |       |
| Channel | Vin2± |       |
| Jumper  | J3    |       |

| U-7528M |          |          |
|---------|----------|----------|
| Channel |          |          |
| Jumper  |          |          |
|         |          |          |
| Channel | V/Iout6+ | V/Iout7+ |
| Jumper  | J1       | J2       |

| U-7517M-10 |       |       |       |       |       |       |       |       |       |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Channel    | Vin8± | Vin7± | Vin6± | Vin5± | Vin4± | Vin3± | Vin2± | Vin1± | Vin0± |
| Jumper     | J9    | J8    | J7    | J6    | J5    | J4    | J3    | J2    | J1    |
|            |       |       |       |       |       |       |       |       |       |
| Channel    | Vin9± |       |       |       |       |       |       |       |       |
| Jumper     | J10   |       |       |       |       |       |       |       |       |

## Jumper Location Figure



| <b>U-7504M</b> |      |      |      |      |       |       |       |       |
|----------------|------|------|------|------|-------|-------|-------|-------|
| Channel        | Vin3 | Vin2 | Vin1 | Vin0 | Vout3 | Vout2 | Vout1 | Vout0 |
| Jumper         | J4   | J3   | J2   | J1   | J8    | J7    | J6    | J5    |

| <b>U-7524M</b> |        |        |        |        |
|----------------|--------|--------|--------|--------|
| Channel        | Vout3+ | Vout2+ | Vout1+ | Vout0+ |
| Jumper         | J4     | J3     | J2     | J1     |

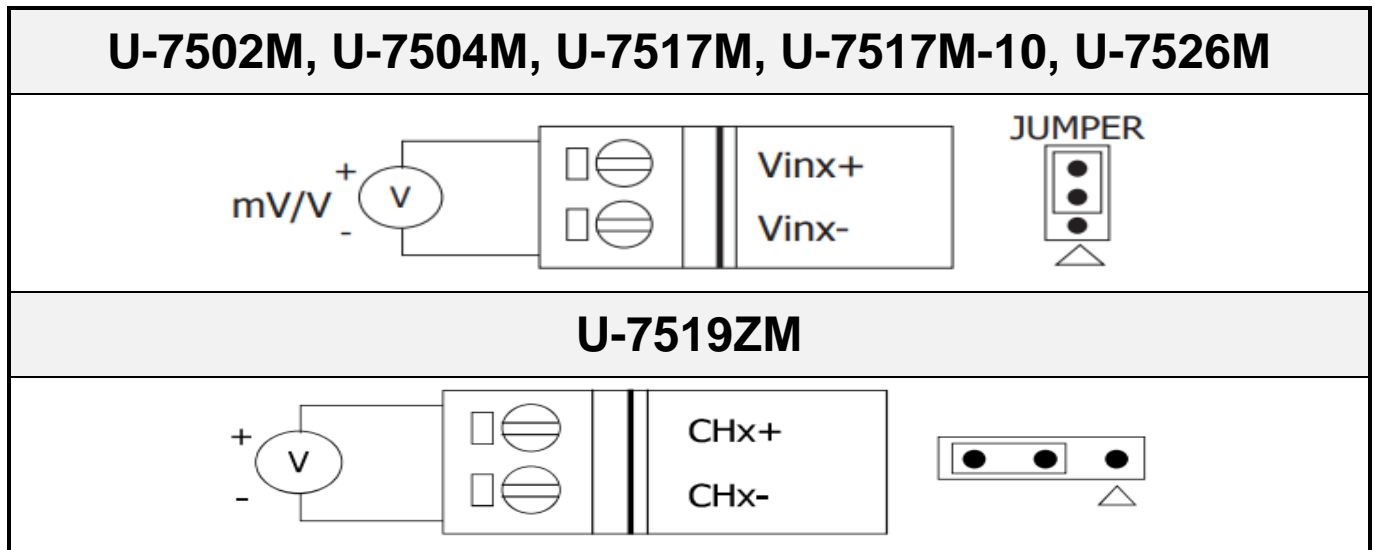
| <b>U-7526M</b> |       |       |      |      |      |      |      |      |
|----------------|-------|-------|------|------|------|------|------|------|
| Channel        | Vout1 | Vout0 | Vin5 | Vin4 | Vin3 | Vin2 | Vin1 | Vin0 |
| Jumper         | J8    | J7    | J6   | J5   | J4   | J3   | J2   | J1   |

| <b>U-7517M</b> |       |       |       |       |       |       |       |       |
|----------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Channel        | Vin7± | Vin6± | Vin5± | Vin4± | Vin3± | Vin2± | Vin1± | Vin0± |
| Jumper         | J8    | J7    | J6    | J5    | J4    | J3    | J2    | J1    |

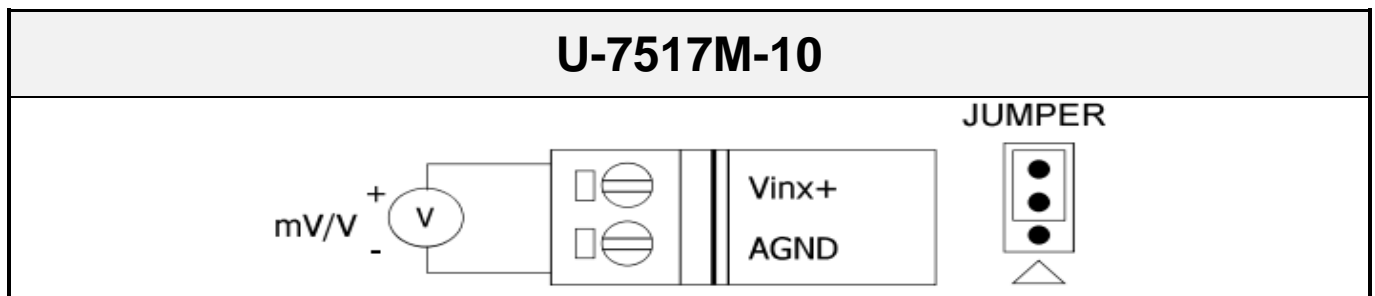
| <b>U-7519ZM</b> |      |      |      |      |      |      |      |      |      |      |
|-----------------|------|------|------|------|------|------|------|------|------|------|
| Channel         | CH0± | CH1± | CH2± | CH3± | CH4± | CH5± | CH6± | CH7± | CH8± | CH9± |
| Jumper          | J1   | J2   | J3   | J4   | J5   | J6   | J7   | J8   | J9   | J10  |

**2.** Set up the **Jumper** corresponding to the type of **Voltage / Current** and **Input / Output** for each analog channel.

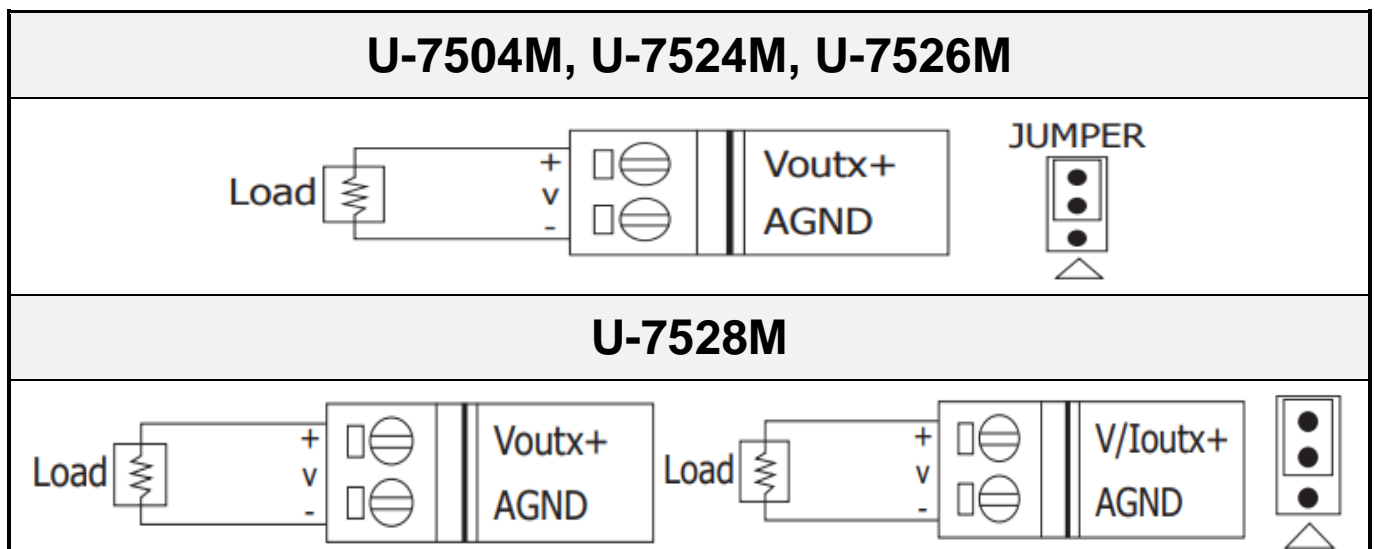
**Voltage Input Selection Jumper (Jumpers default: Voltage)**



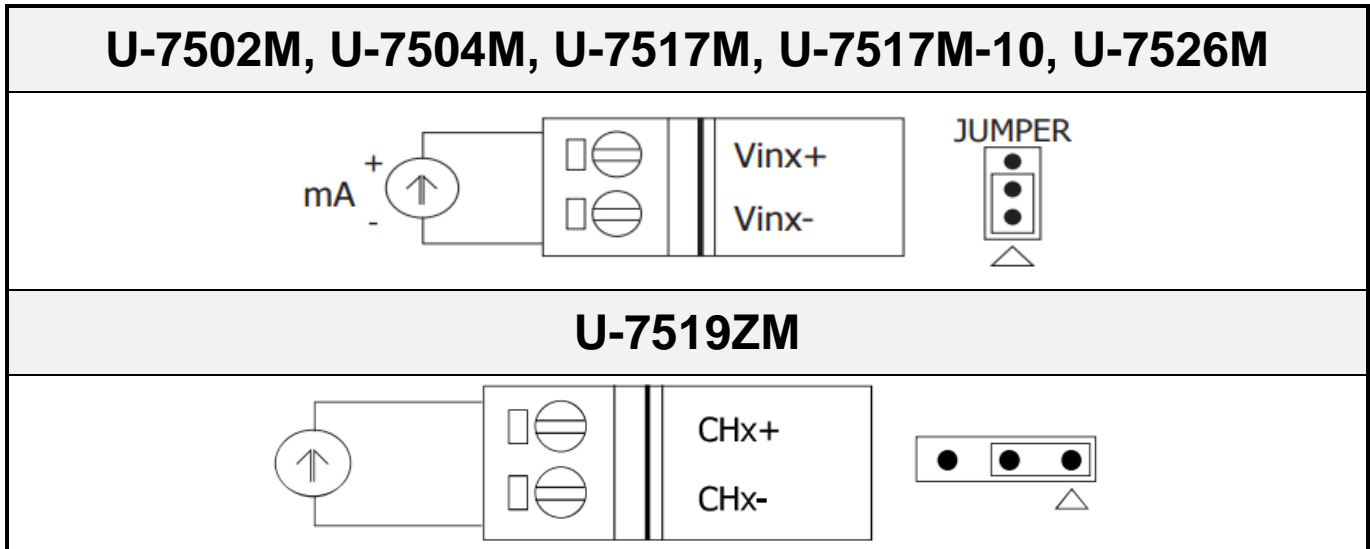
**Voltage Input (Single-ended Mode) Selection Jumper**



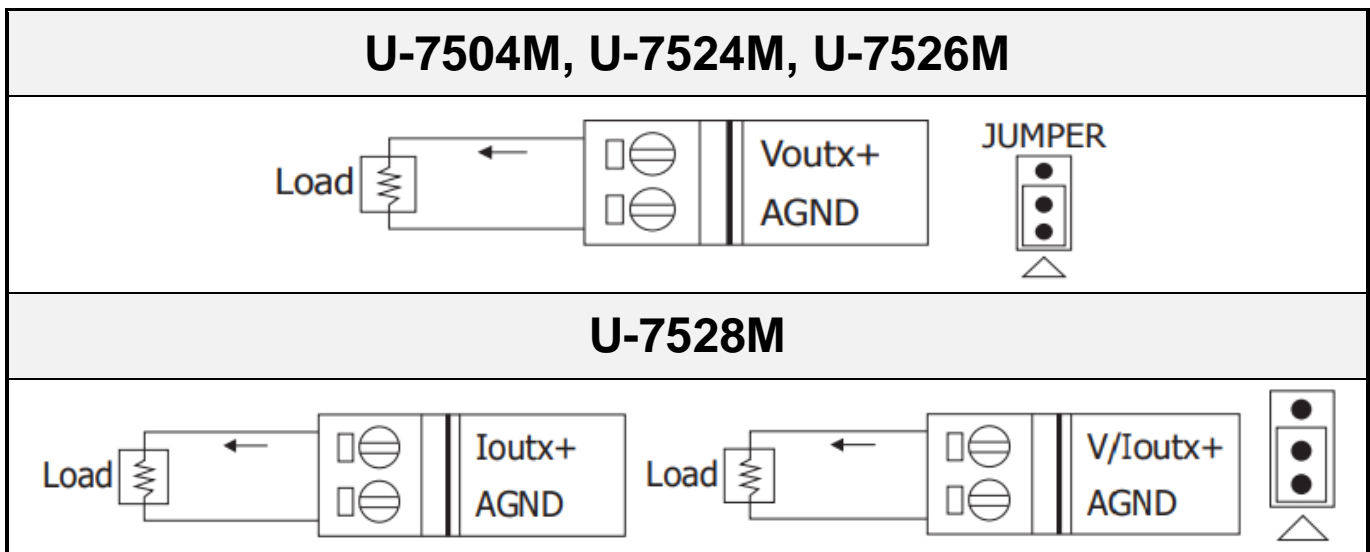
**Voltage Output Selection Jumper**



## Current Input Selection Jumper



## Current Output Selection Jumper



## Thermocouple Input Selection Jumper

