








UA I/O Series Quick Start

V6.0, 12/2023

Packing List

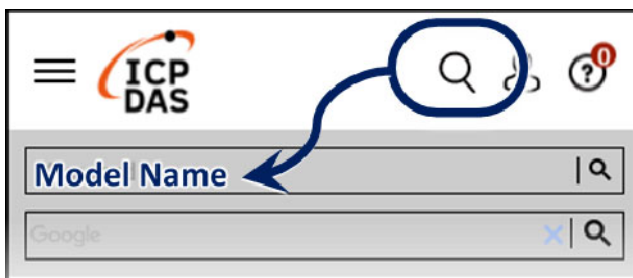
UA I/O package includes this document and the following items:

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

<https://www.icpdas.com>

● For Desktop Web



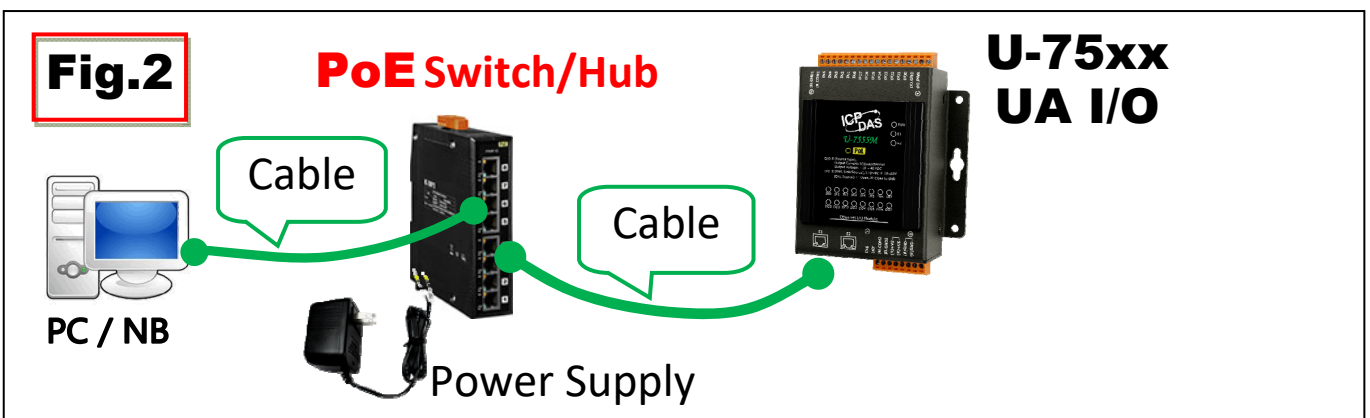
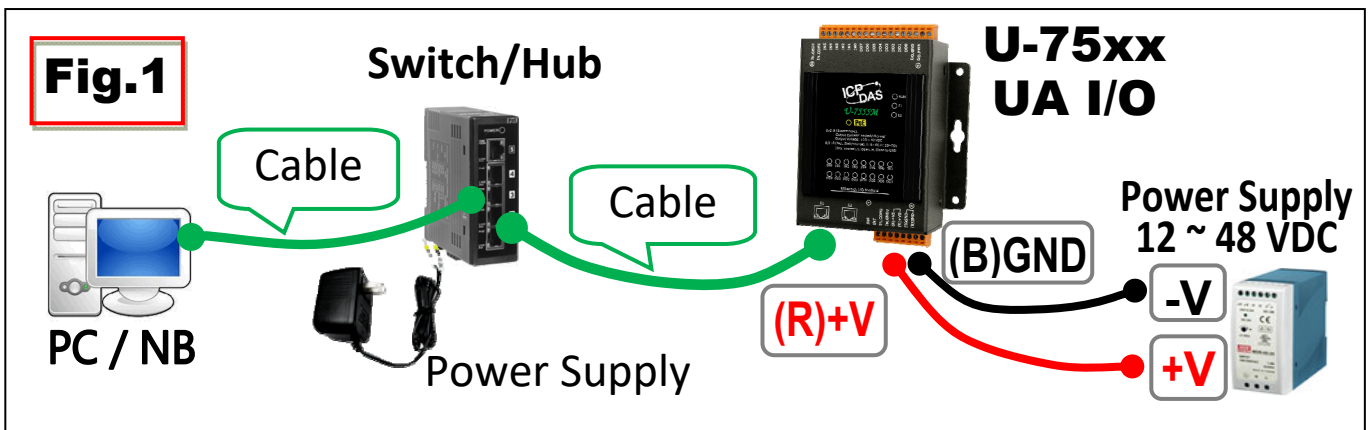
1. Preparations for Devices

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 operating, it represents the boot is complete. (After a minute, the "RUN" light flashes at one-second intervals, showing that the contact of the SD card in the module is abnormal.)



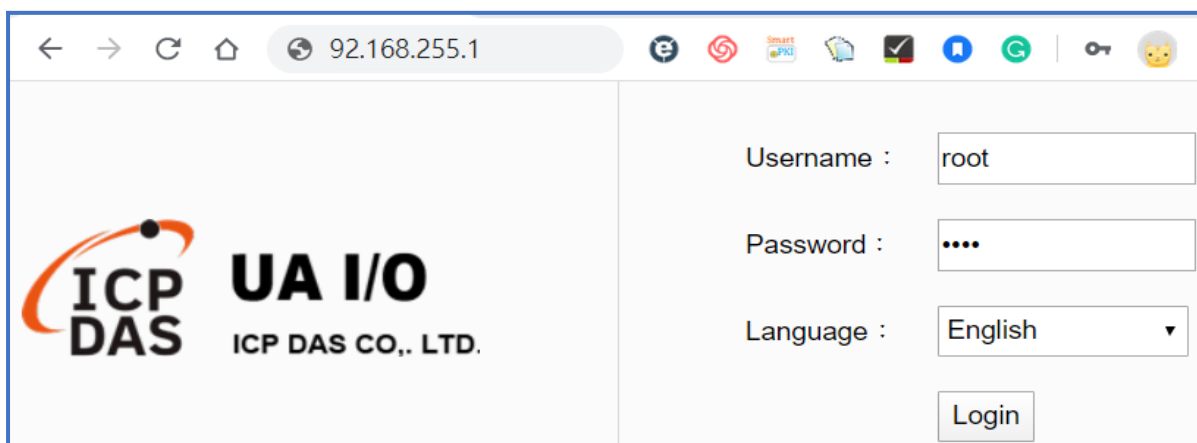
3. Network Connection

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

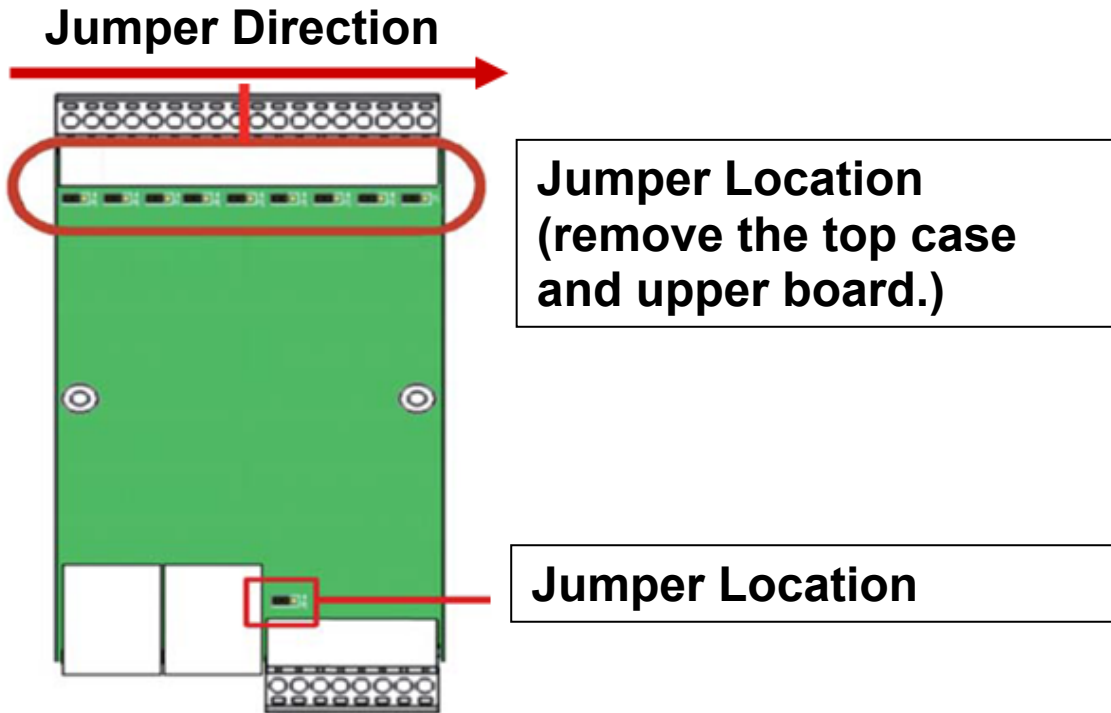
5. Save the IP settings, restore the PC original IP settings, and then type the **new IP/Username/Password** in the browser to login the Web UI of U-75xx to configure user's UA project.

● 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

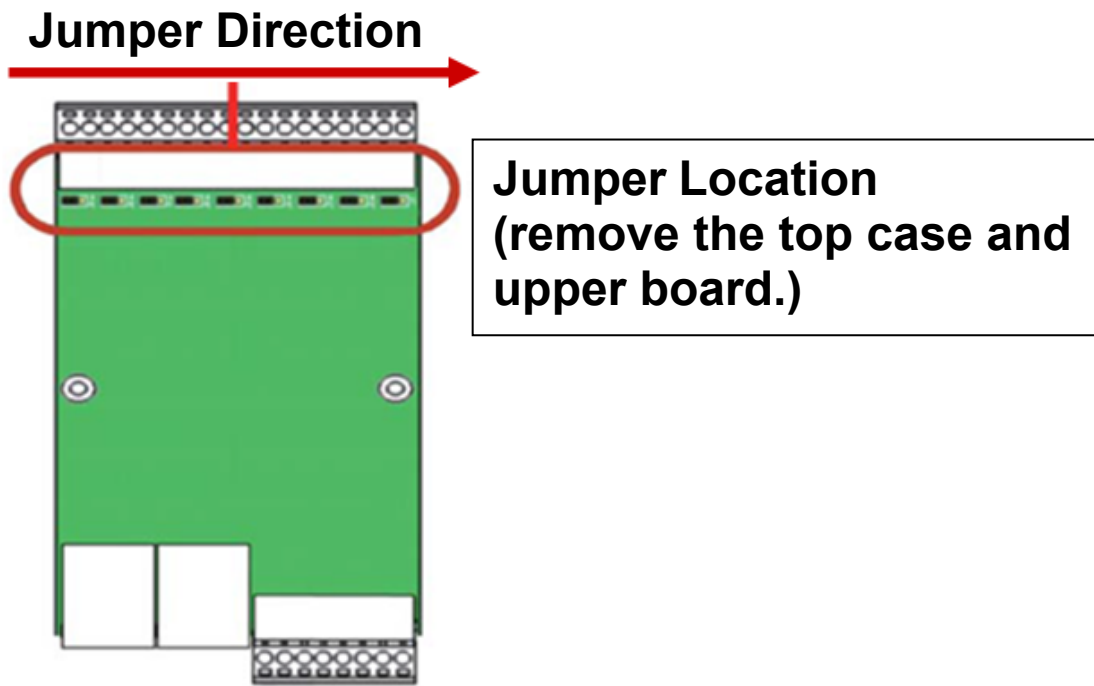


U-7502M		
Channel	Vin1±	Vin0±
Jumper	J2	J1
Channel	Vin2±	
Jumper	J3	

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



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

U-7524M				
Channel	Vout3+	Vout2+	Vout1+	Vout0+
Jumper	J4	J3	J2	J1

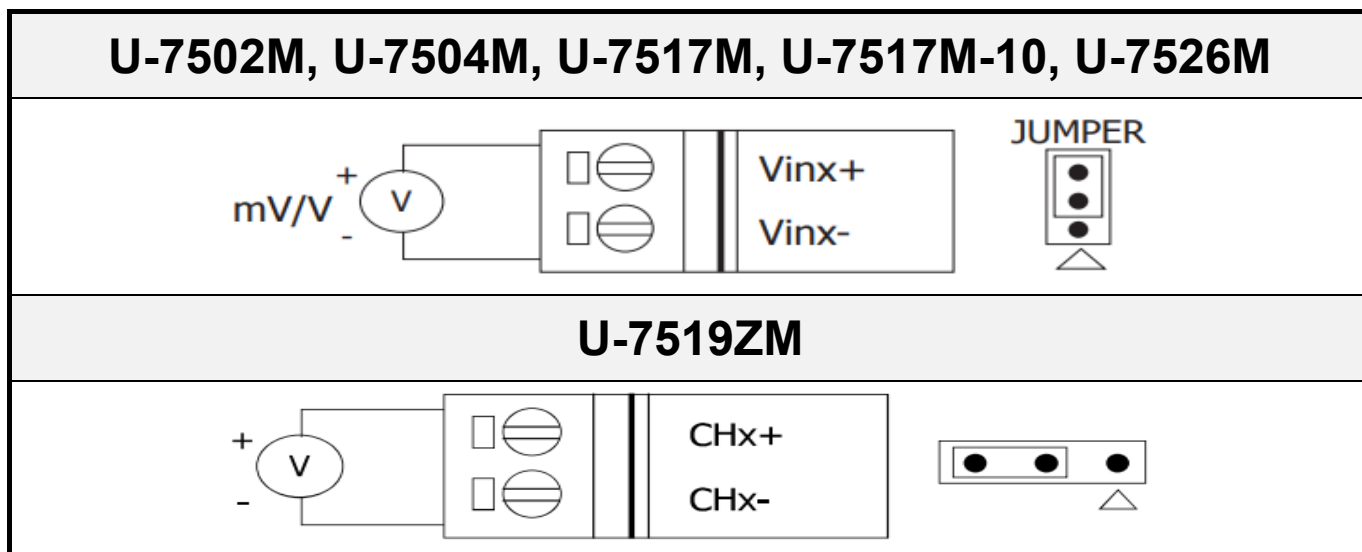
U-7526M								
Channel	Vout1	Vout0	Vin5	Vin4	Vin3	Vin2	Vin1	Vin0
Jumper	J8	J7	J6	J5	J4	J3	J2	J1

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

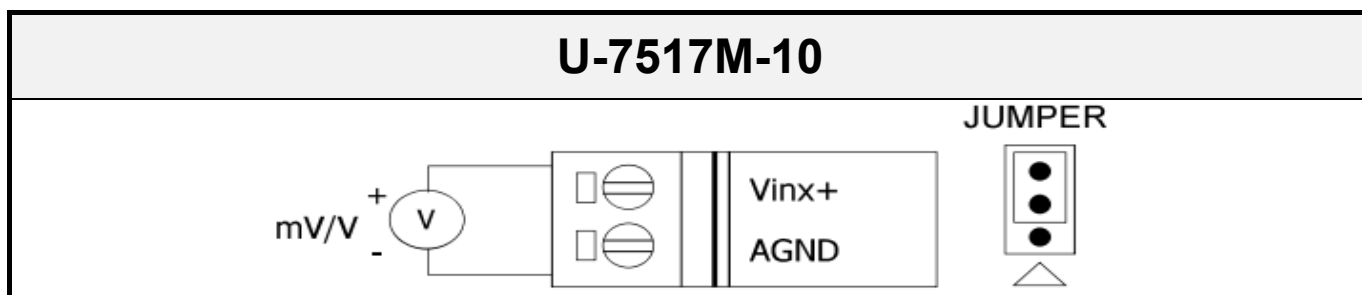
U-7519ZM										
Channel	CH0±	CH1±	CH2±	CH3±	CH4±	CH5±	CH6±	CH7±	CH8±	CH9±
Jumper	J1	J2	J3	J4	J5	J6	J7	J8	J9	J10

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

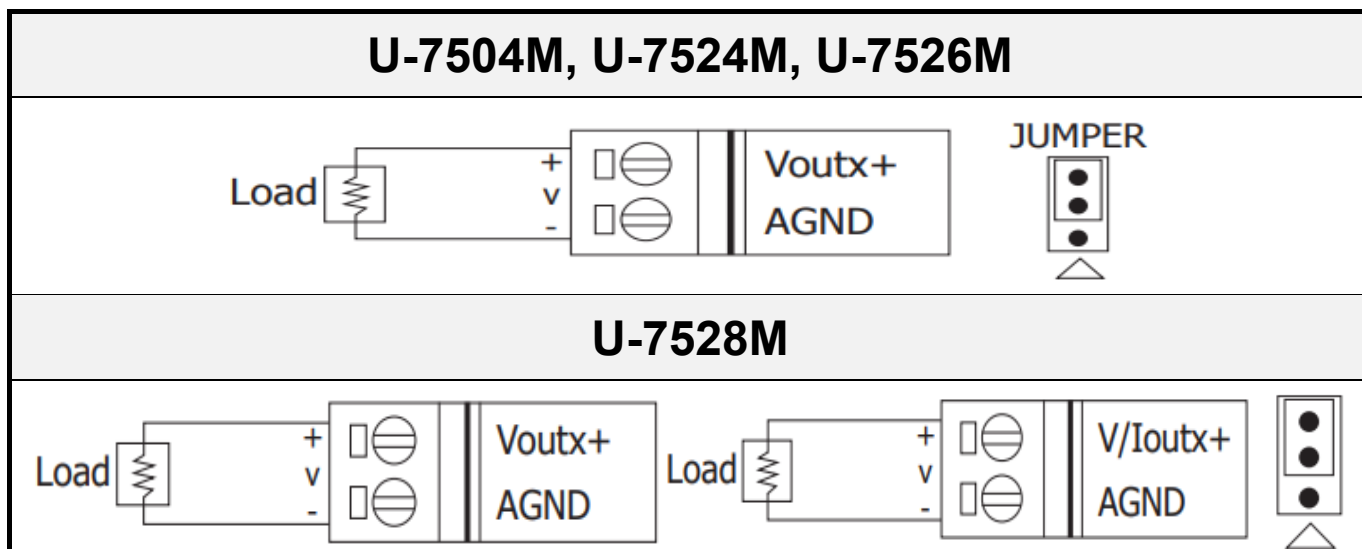
Voltage Input Selection Jumper (Jumpers default: Voltage)



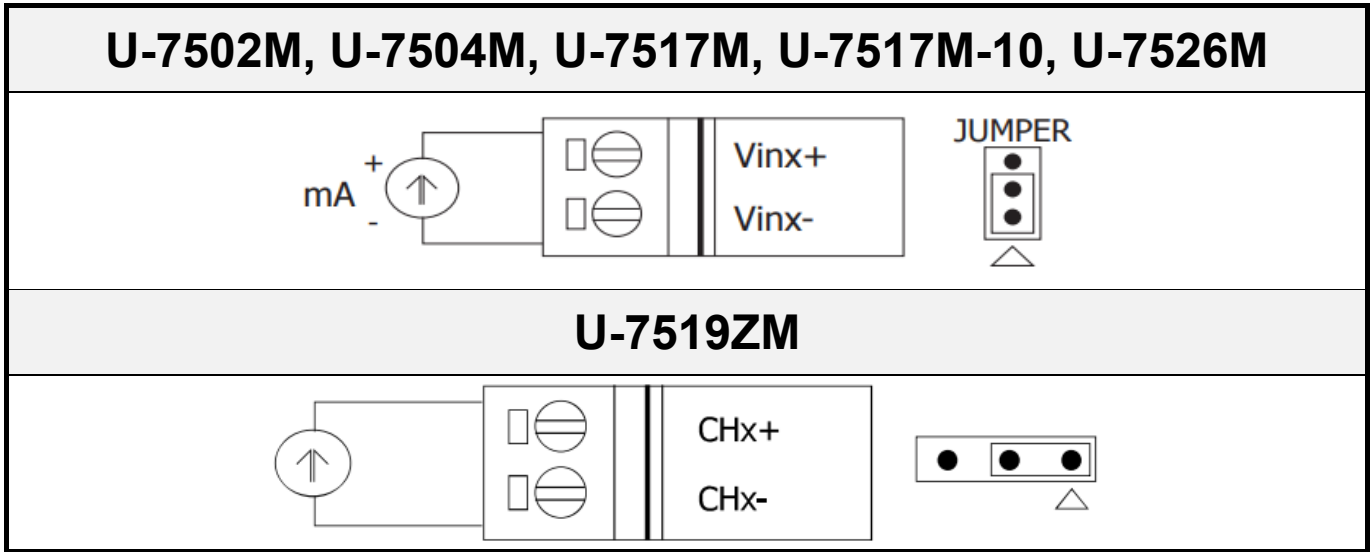
Voltage Input (Single-ended Mode) Selection Jumper



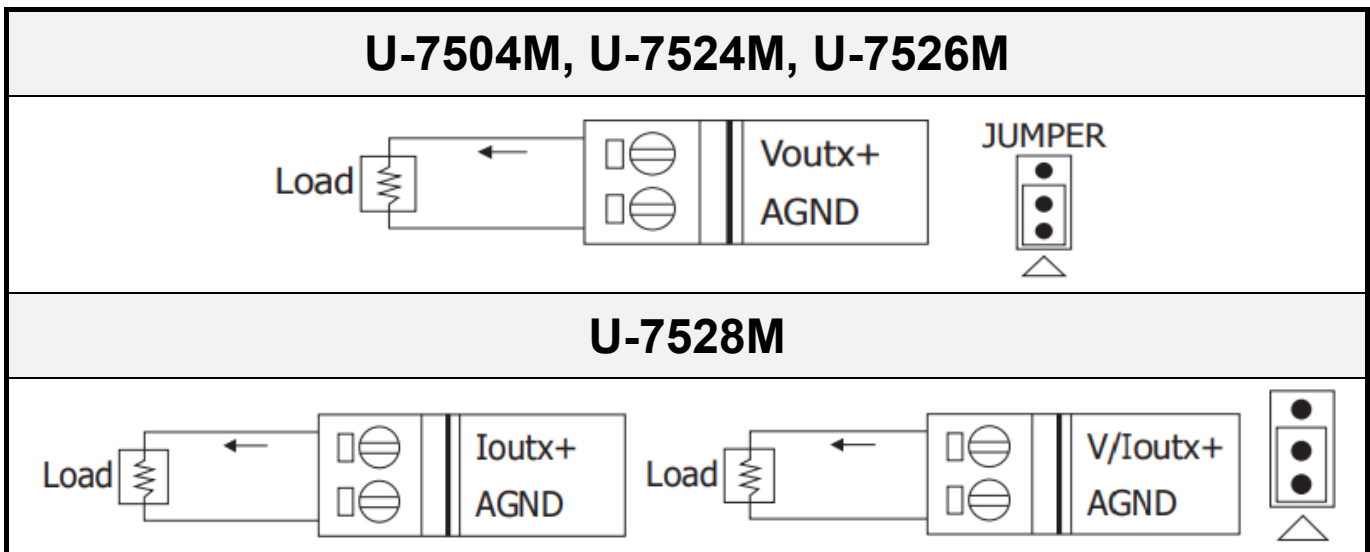
Voltage Output Selection Jumper



Current Input Selection Jumper



Current Output Selection Jumper



Thermocouple Input Selection Jumper

