(P)ET-2242 Series Quick Start

v1.2, May 2023

Packing List

In addition to this guide, the package includes the following items:



(P)ET-2242 / (P)ET-2242-32 X 1



Quick Start x1

Technical Support

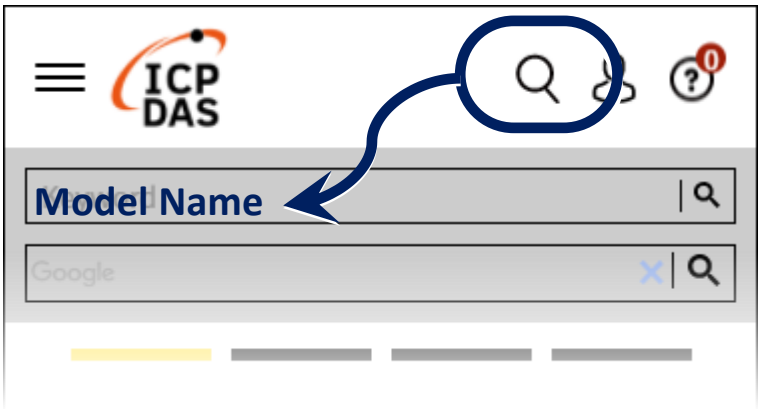
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www.icpdas.com

Resources

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

- For Mobile Web



- For Desktop Web

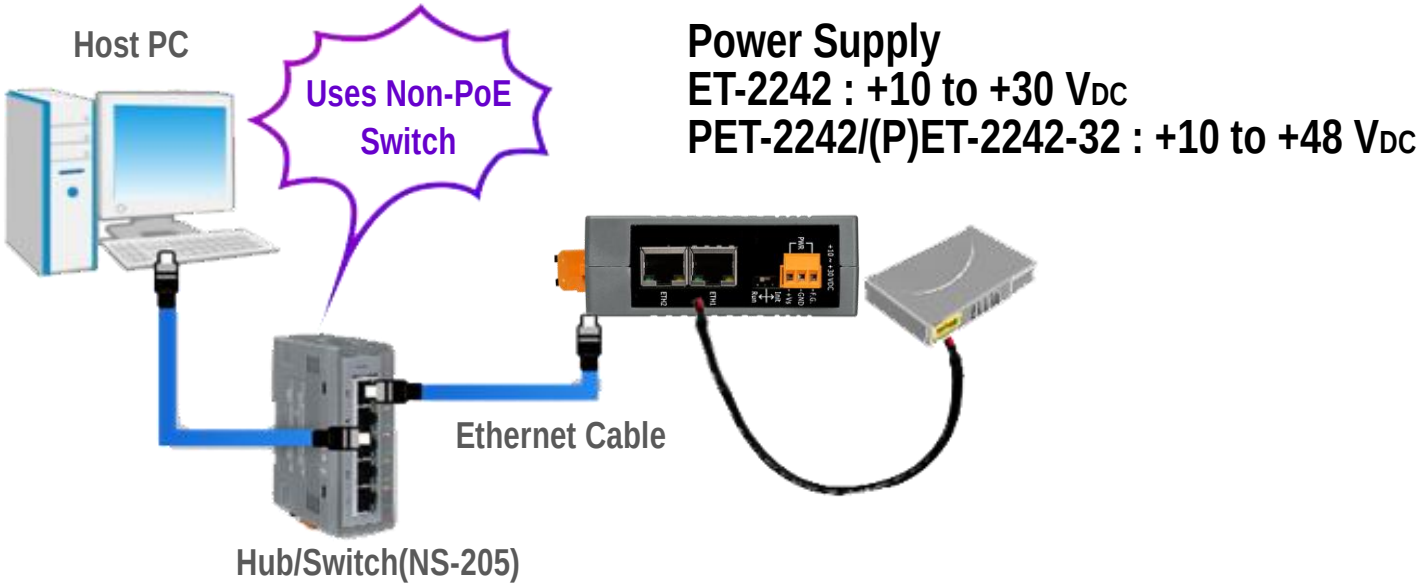


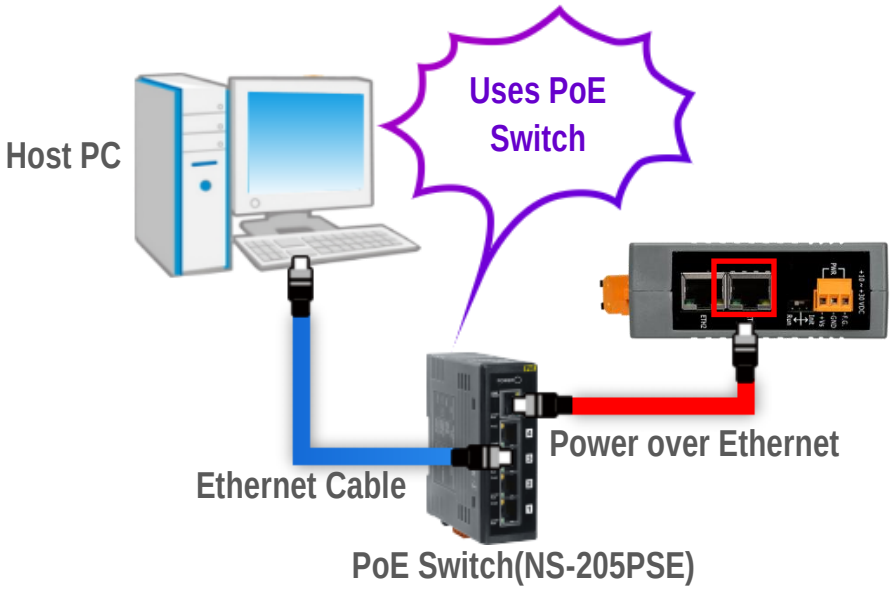
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1 Connecting the Power and Host PC

1) **Make sure your PC has workable network settings.**
   Disable or well configure your Windows firewall and Anti-Virus firewall first, else the **"Search Servers"** on **Chapter 3** may not work. (Please contact with your system Administrator)
2) **Connect both the (P)ET-2242 and your PC to the same sub network or the same Ethernet switch.**
3) **Supply power** (PoE or +10 to +48 VDC) **to the (P)ET-2242.** ◦

⚠ **Note: Please use the first RJ-45 jack (ETH1) to connect the PoE Switch for powering through PoE.The second RJ-45 jack (ETH2) doesn't support the PoE function.**

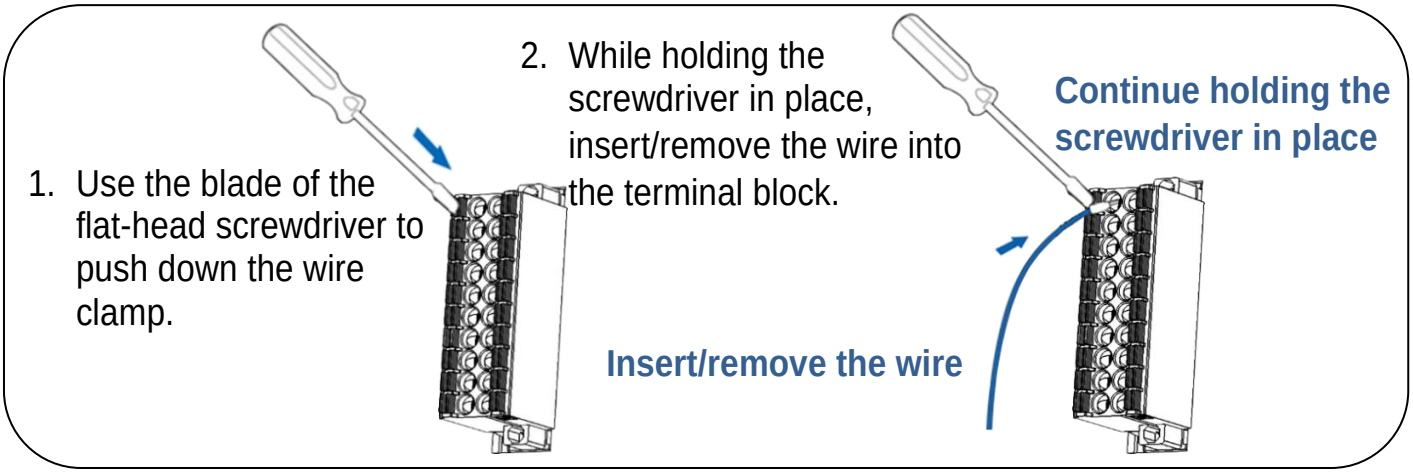




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2 Wiring the DI and DO for Self-test

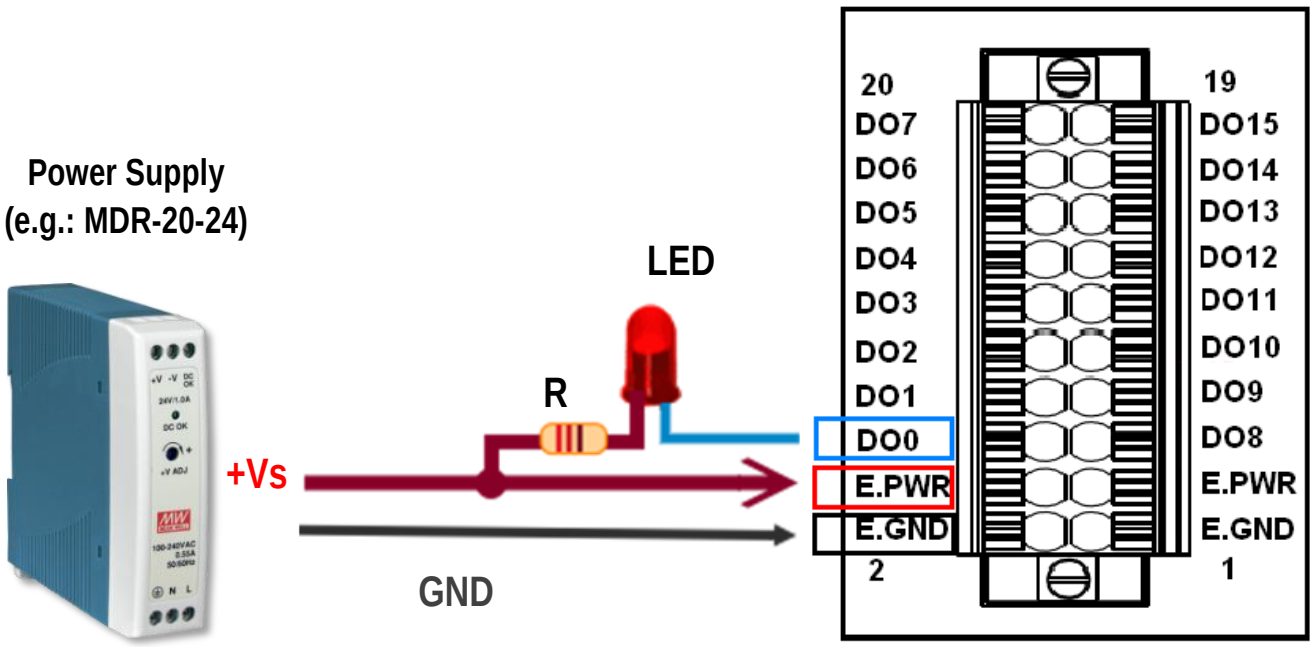
➢ **A tip for insert/remove the wire to the connector.**



1) Connect a **LED** between the **DO0** and **E.PWR.**

2) Connect the **External Power +24V** to the **E.PWR.**

3) Connect the **External Power GND** to the **E.GND.**



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3 Configuring Network Settings



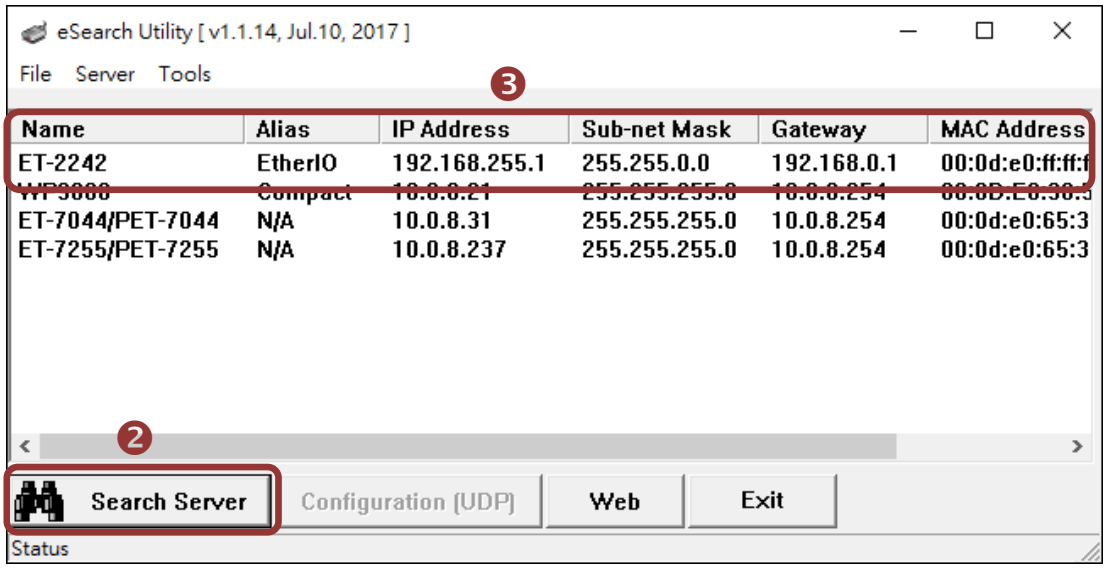
1) Run the eSearch Utility.

eSearch Utility download link:

https://www.icpdas.com/en/download/index.php?nation=US&kind1=&model=&kw=esearch

2) Click the **"Search Servers"** to search your (P)ET-2242.

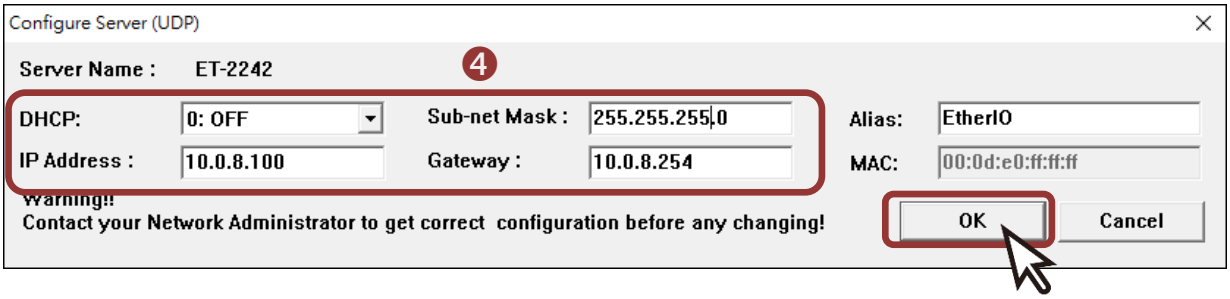
3) Double-click your (P)ET-2242 to configure the settings.



Factory Default Settings of (P)ET-2242:

IP Address	192.168.255.1
Subnet Mask	255.255.0.0
Gateway	192.168.0.1

4) Contact your Network Administrator to obtain a correct network configuration (such as **IP/Mask/Gateway**). **Enter the network settings** and click **"OK"**. **Note: The (P)ET-2242 will use the new settings 2 seconds later.**

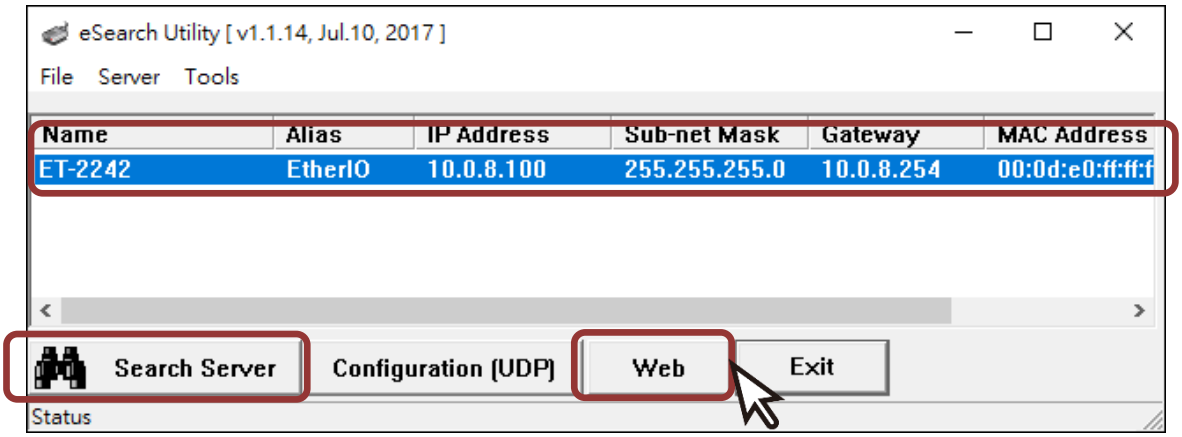


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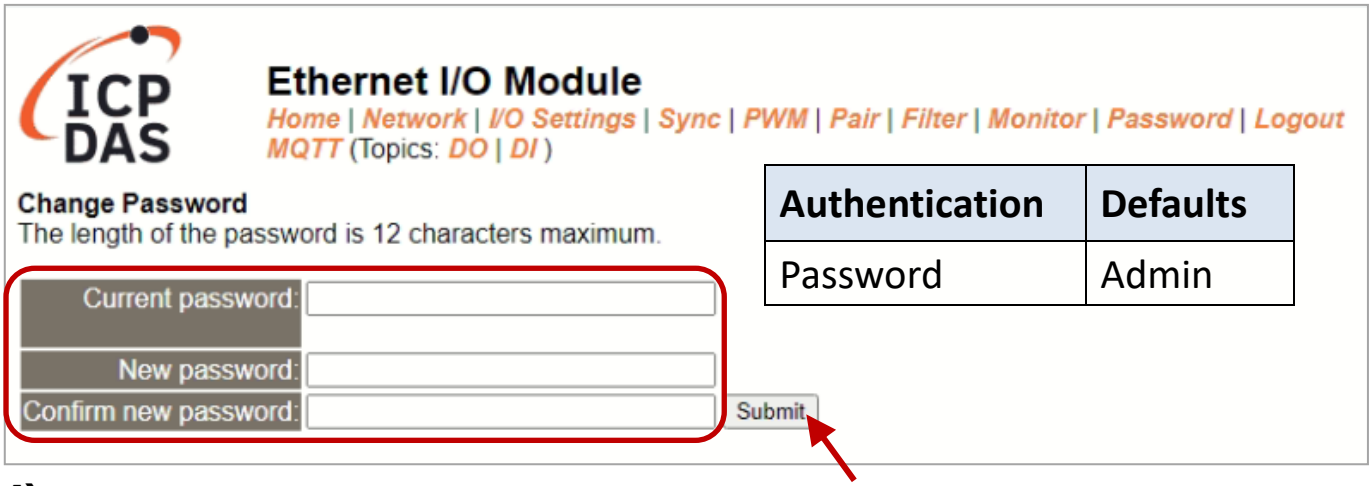
4 Testing your Ethernet I/O Module

1) Click “Search Servers” button again to ensure the (P)ET-2242 is working well with new configuration, than click the name of (P)ET-2242 to select it. ◦

2) Click the “Web” button to log in to the web configuration pages.(Or enter the URL address of the (P)ET-2242 in the address bar of the browser.)



3) For the first time using the module, you have to change the password and click the “Submit“ button.



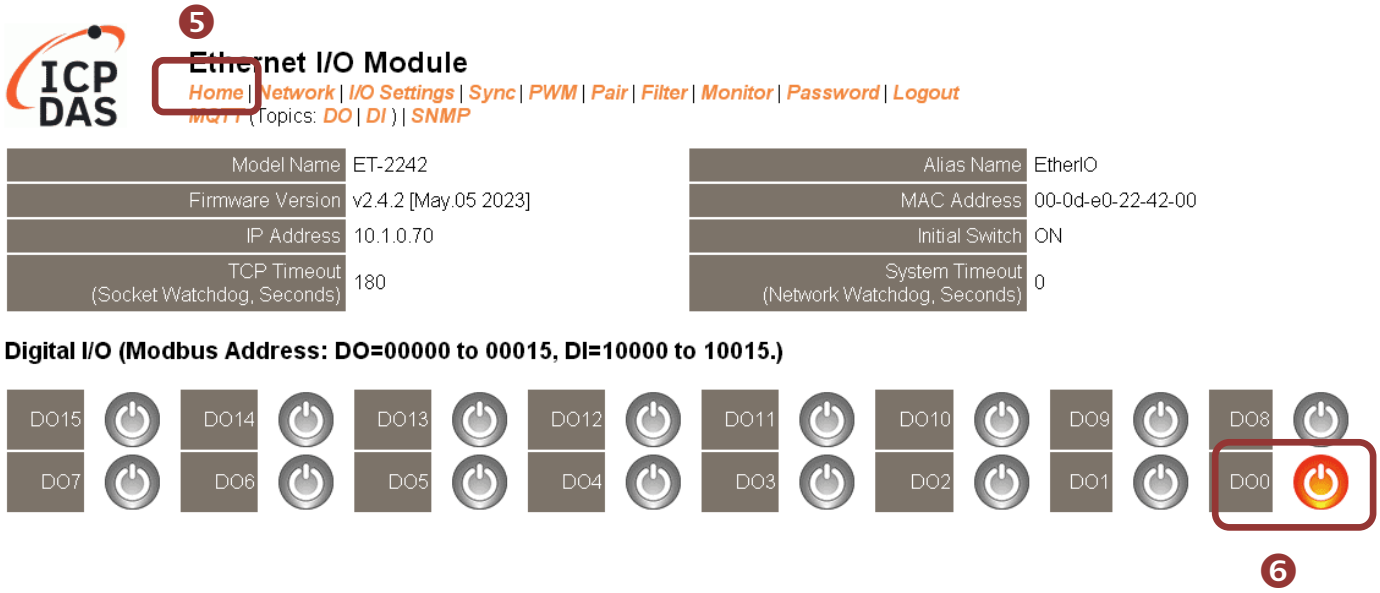
4) Enter the new password in the “Login password” field and click the “Submit “button.



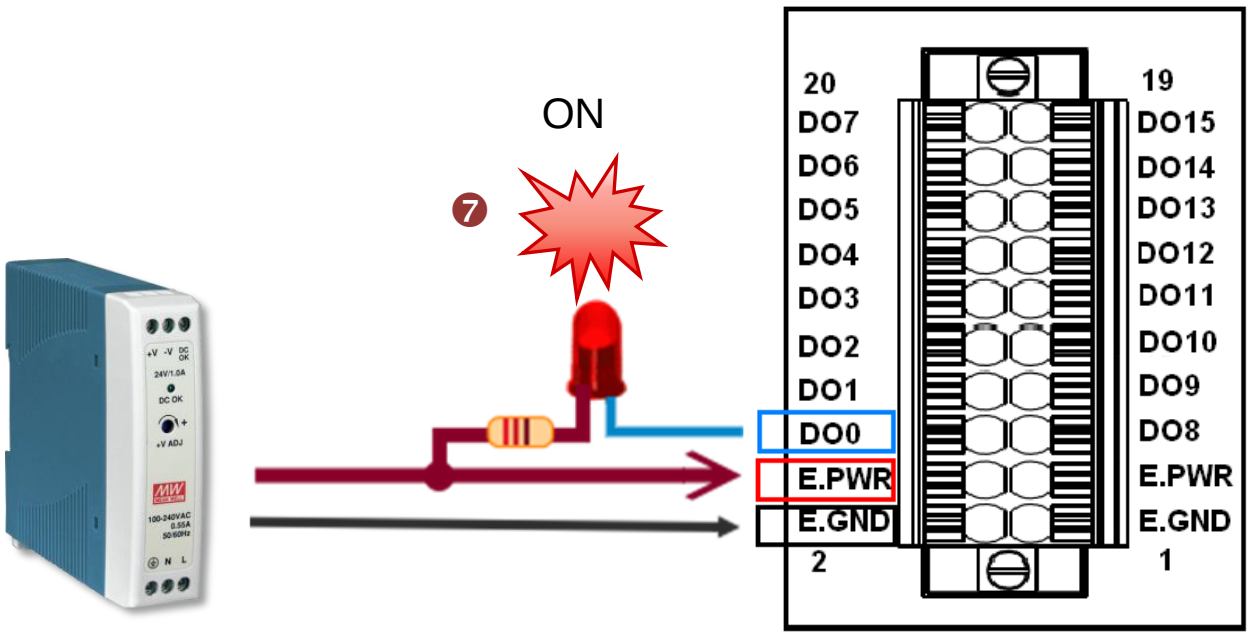
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5) The “Home” page allows for a simple test to verify the Digital Output functionality.

6) In the “Digital I/O” section, click the “DO0” button to turn it ON (Red).



7) Verify that the output LED status is “ON”.



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