



## ELPRO 115E-2 Ethernet Networking I O and Gateway Installation Guide

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**115E-2  
INSTALLATION GUIDE**

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## 115E-2 Ethernet Networking I O and Gateway

### WARNING – EXPLOSION HAZARD

Do not disconnect the device while the circuit is live unless the area is known to be non-hazardous.

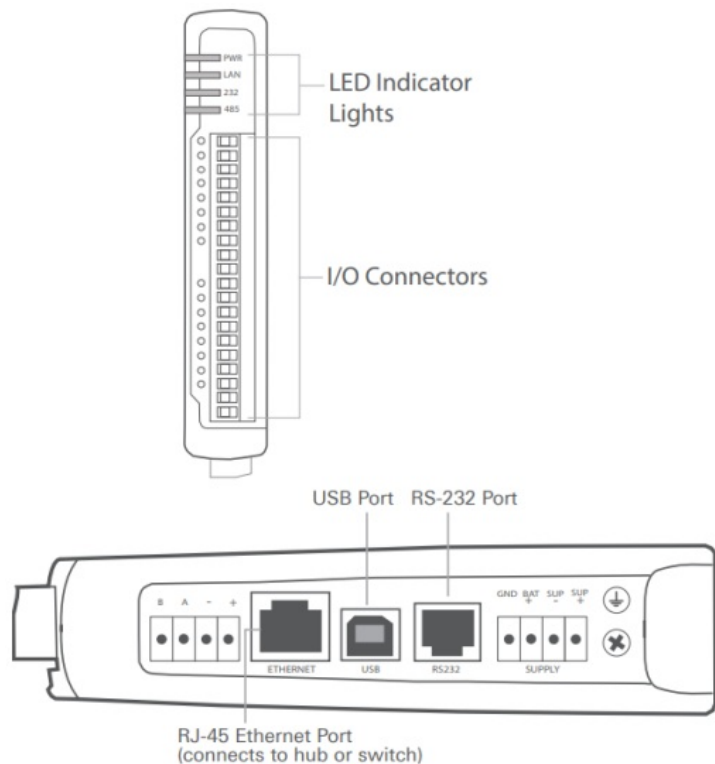
### NOTE

All connections must be SELV <50 Vac and <120Vdc.

Connecting to the module for configuration.

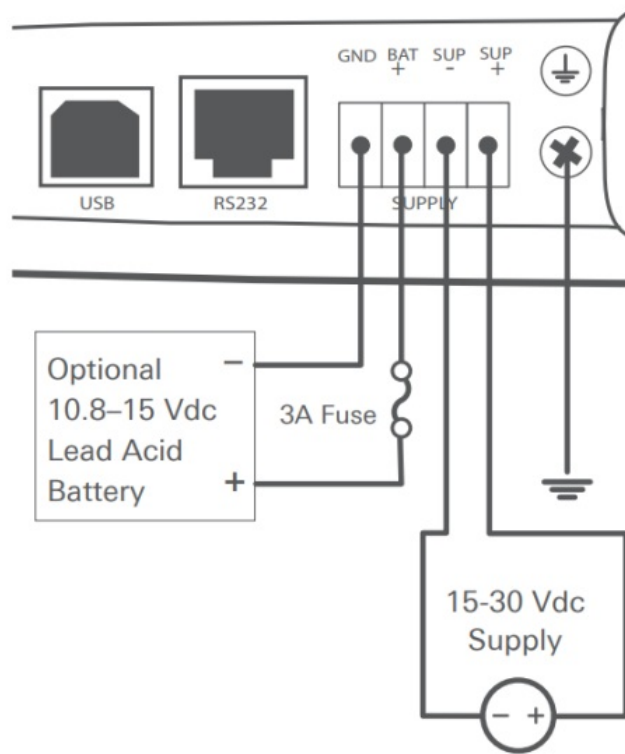
- Download and install configuration utility software, available from the Elpro Technologies website.  
[www.elprotech.com](http://www.elprotech.com)
- Connect to PC using supplied USB cable.
- Connect to the device by selecting USB connection and using the IP address 192.168.111.1 or 1.1.1.1 for older firmware (pre V2.28)
- The PC will automatically be assigned an IP address from the module via DHCP. A new network adaptor will be created using IP address 192.168.1.2 (or 1.1.1.2)
- **Username: user**
- **Password: user**

The following illustrations show the port connections on the 115E-2.



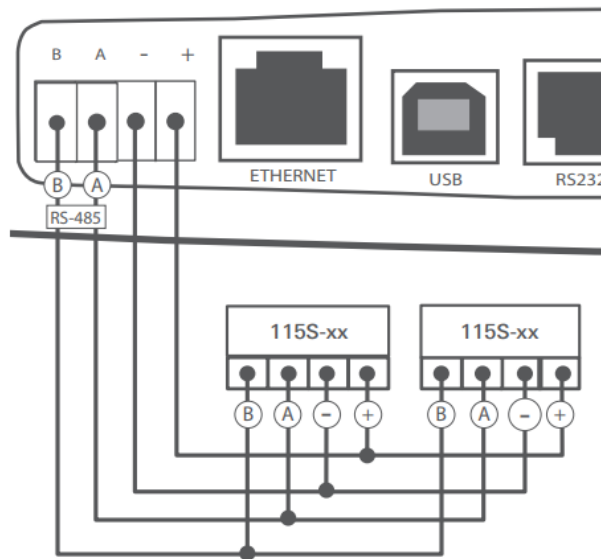
### Power Supply Wiring

The ground (GND) and "SUP –" terminals are connected internally to the ground (Earth) terminal. Connect the screw terminal on the end plate to ground (Earth) for surge protection.



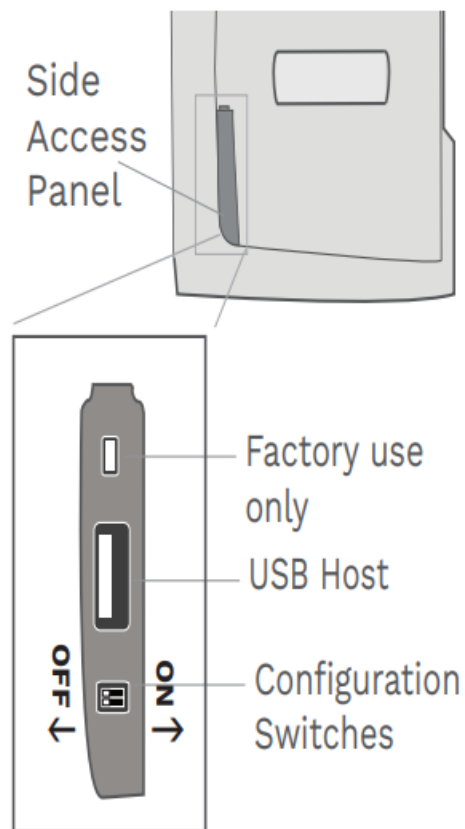
### Expansion I/O Power and RS485 serial connection

An on-board RS-485 terminating resistor provides line termination for long runs. Only enable terminating resistor on the last device connected on the RS-485 cable.



### Configuration Switches

Use the DIP switches in the side access panel to select analog input voltage or current, and to enable default configuration.

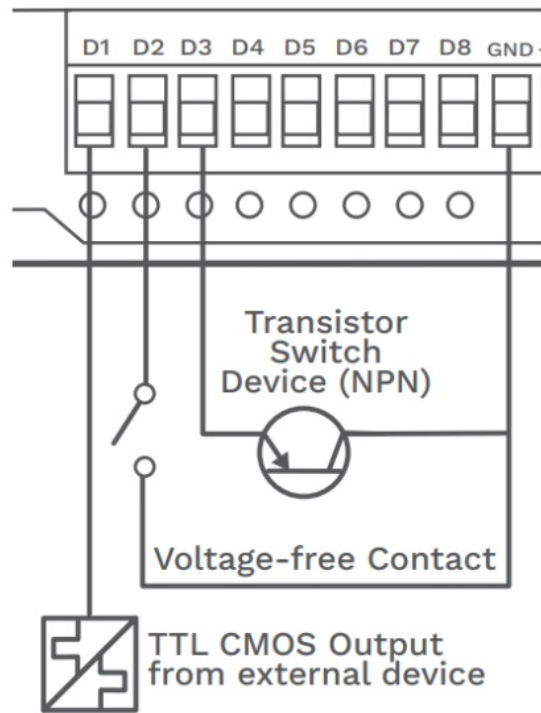


| DIP | Description           | ON      | OFF     |
|-----|-----------------------|---------|---------|
| 1   | AI3 Current / Voltage | Current | Voltage |
| 2   | AI3 Current / Voltage | Current | Voltage |
| 3   | AI4 Current / Voltage | Current | Voltage |
| 4   | AI4 Current / Voltage | Current | Voltage |
| 5   | Unused                |         |         |
| 6   | Default configuration | Enabled | Normal  |

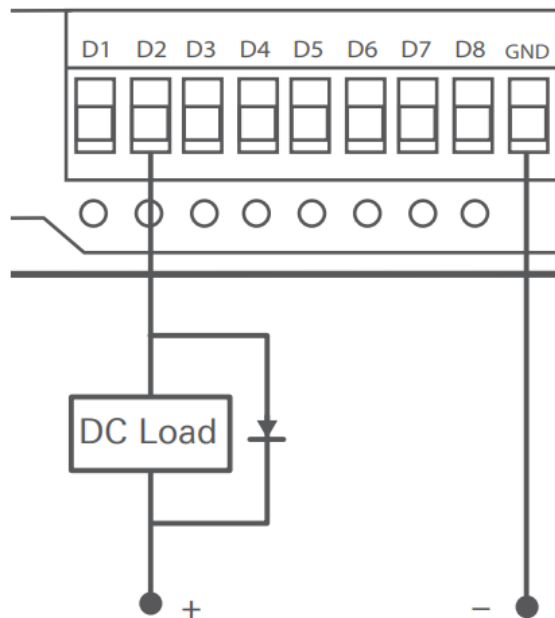
## Input and Output connections

The digital input/output channels can be wired as inputs or outputs.

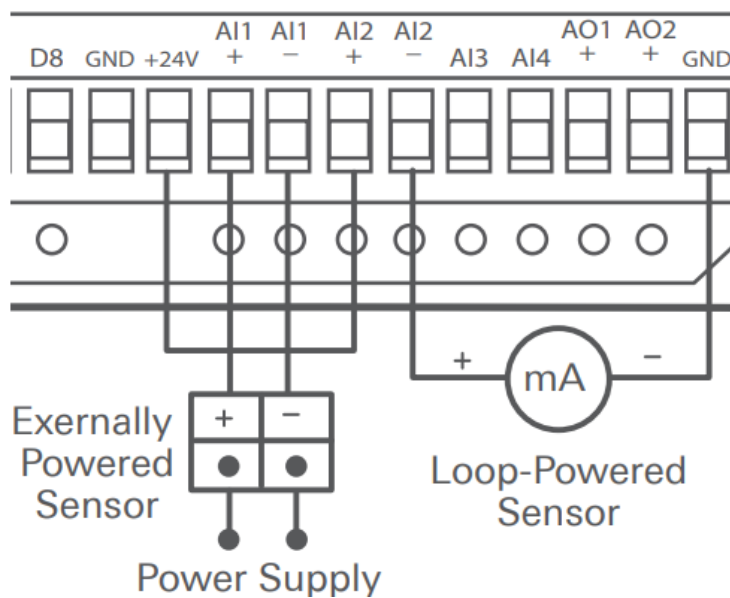
### Digital Input



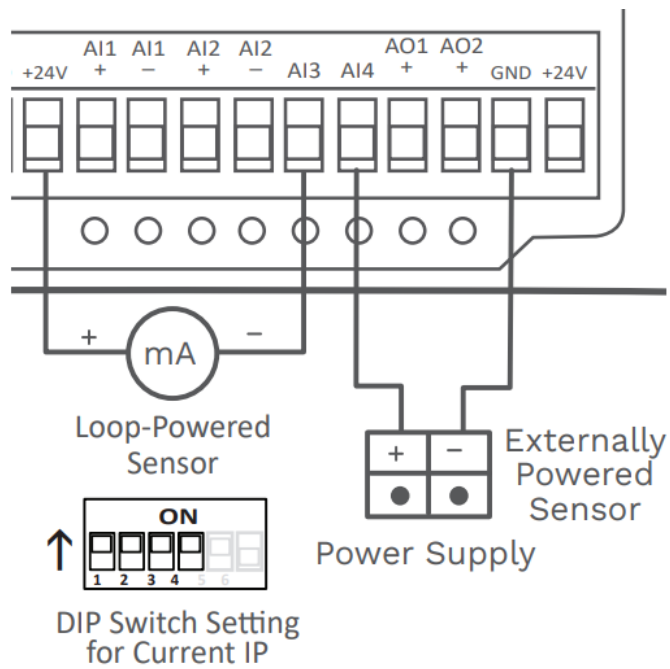
**Digital Output**



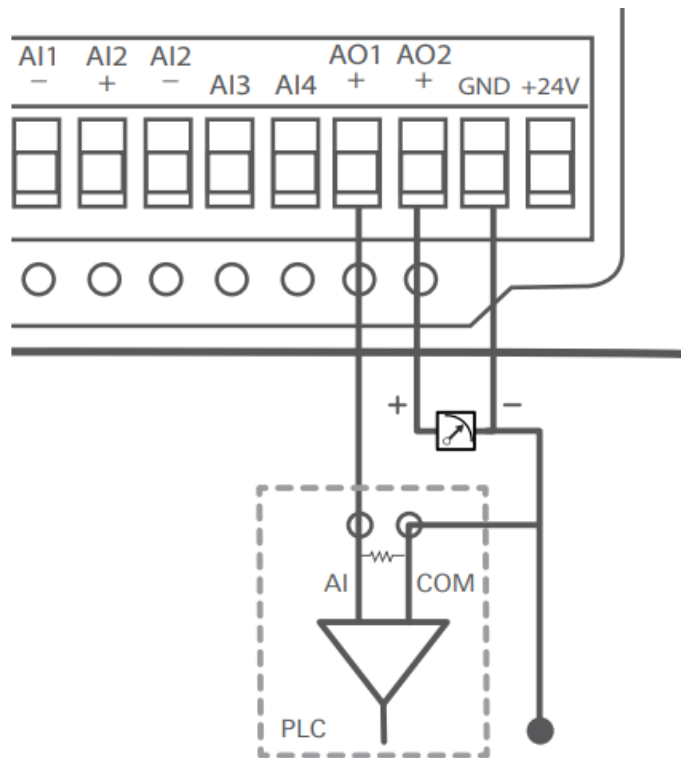
**Differential 4-20mA inputs (AI1, AI2)**



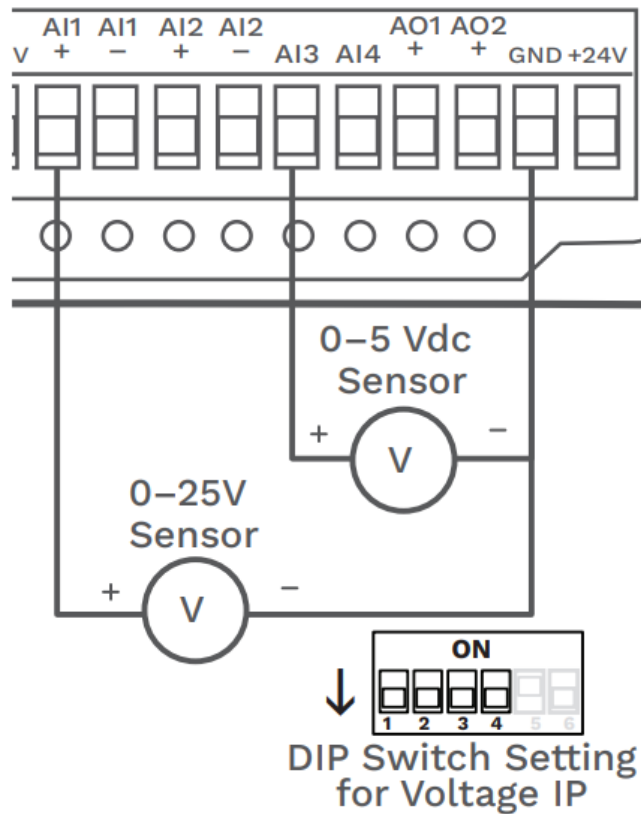
**Single Ended 4-20mA inputs (AI3, AI4)**



### Analog Output (0-20mA)



### Single Ended voltage input



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#### HOW TO ORDER

Simply send us an email at [sales@elprotech.com](mailto:sales@elprotech.com)  
 contact your local distributor, or phone +61 7 3352 8600  
 An **envirada** group company

#### Documents / Resources

|                                                                                  |                                                                                                                                                                                                                                       |
|----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p><a href="#">ELPRO 115E-2 Ethernet Networking I O and Gateway</a> [pdf] Installation Guide<br/>115E-2 Ethernet Networking I O and Gateway, 115E-2, Ethernet Networking I O and Gateway,<br/>Networking I O and Gateway, Gateway</p> |
|----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

References

- [Industrial Wireless Communication & Control Systems](#)
- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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