ELPRO Technologies 925U-2 Wireless Mesh Networking I/O and Gateway Installation Guide

Contents

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Statutory requirements

FCC: This device complies with Part 15.247 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

FCC: Unlicensed operation limits the radio power. High gain aerials may only be used to compensate for cable losses.

WARNING – EXPLOSION HAZARD

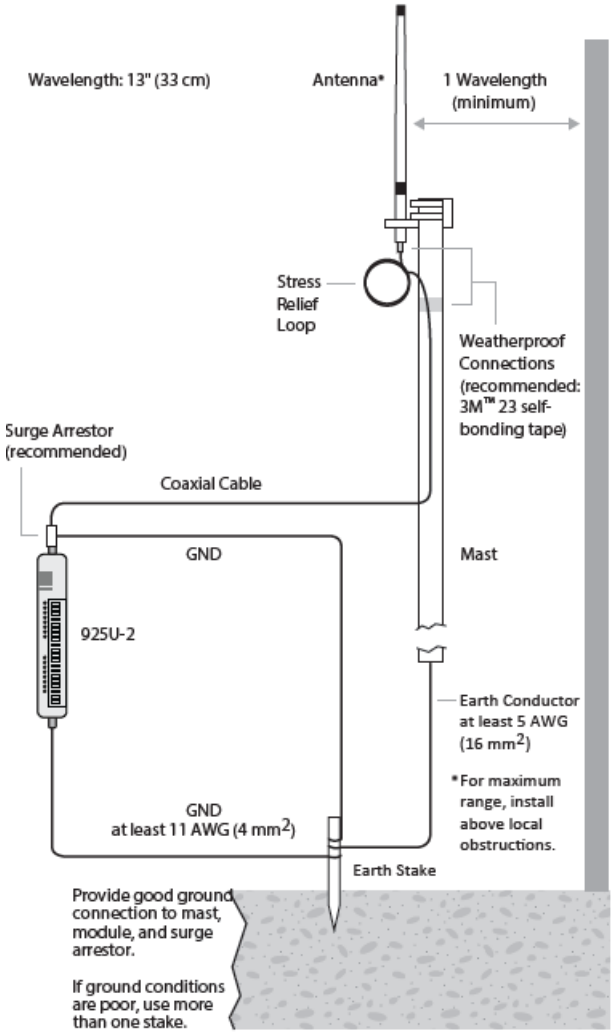
Do not disconnect the device while the circuit is live unless the area is known to be non-hazardous.

NOTE

The 925U-2 module ships from the factory as a bridged meshing radio. If communication with the older legacy 915U-2's is required, radio's operating mode can be changed with firmware.

Antenna installation

Use Figure 1 as a guide for installing an antenna and attaching it to the module. Figure 1. Antenna installation



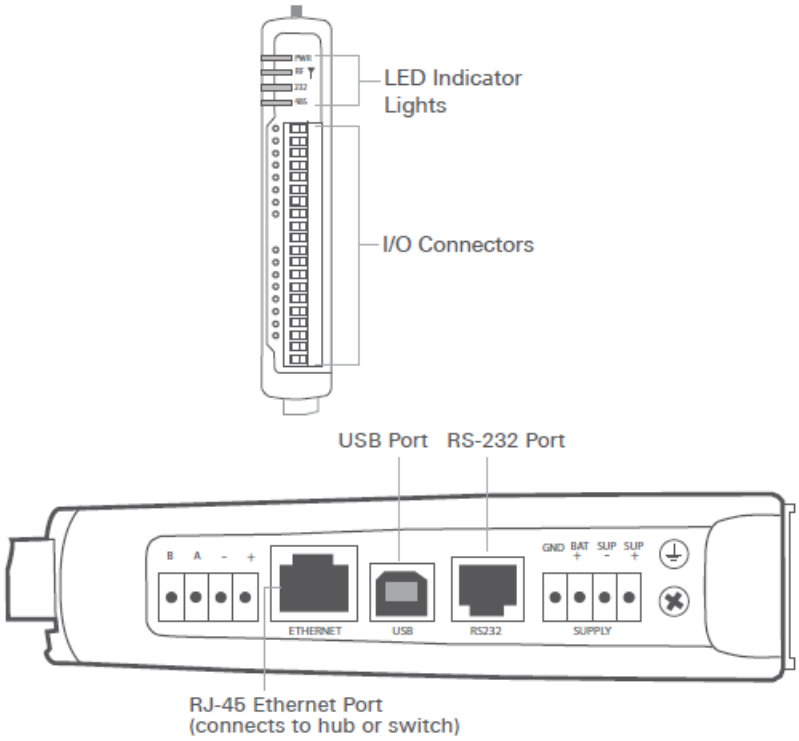
Connecting to the module for configuration

- Download and install configuration application “CConfig” from ELPRO website www.elpro.com.au
- Connect to PC using supplied USB cable
- Connect to the device at 192.168.111.1
- The PC will be automatically assigned an IP address via DHCP
    - **Username**: user
    - **Password**: user

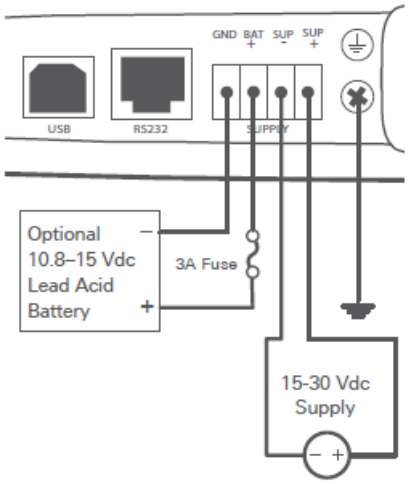
NOTE

All connections must be SELV <50 Vac and <60 Vdc.

The following illustrations show the ports on the 925U

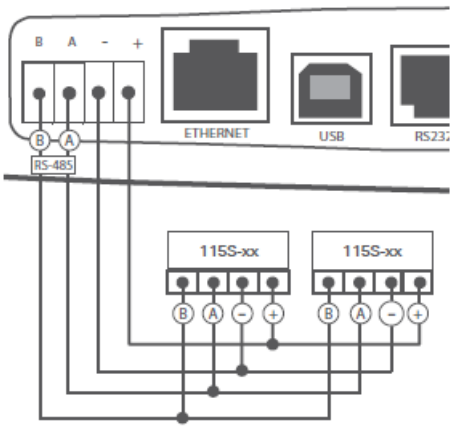


Power supply wiring



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

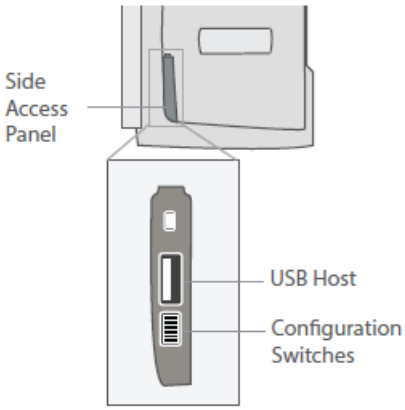
Expanson I/O power and RS-485 serial connection



- An on-board RS-485 terminating resistor provides line attenuation for long runs.

- Place terminating resisters at each end of the RS-485 cable

Configuration switches

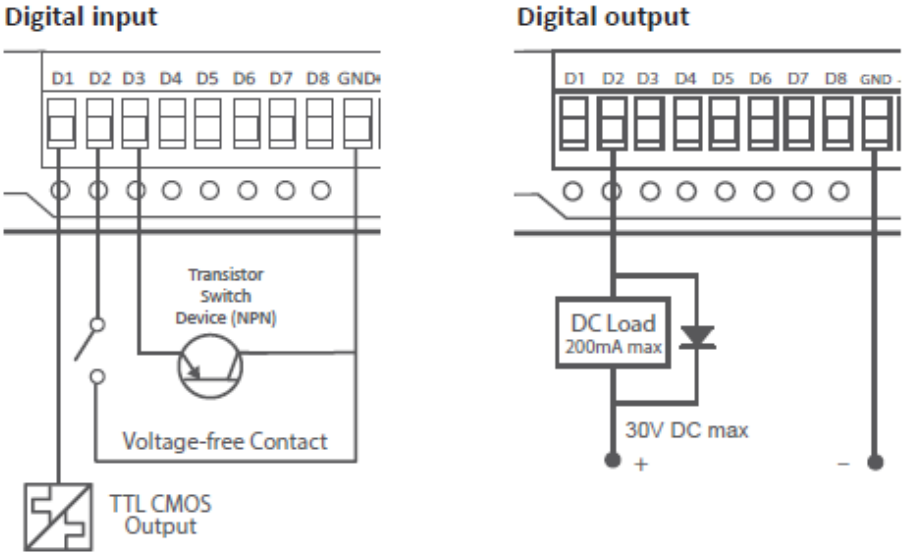


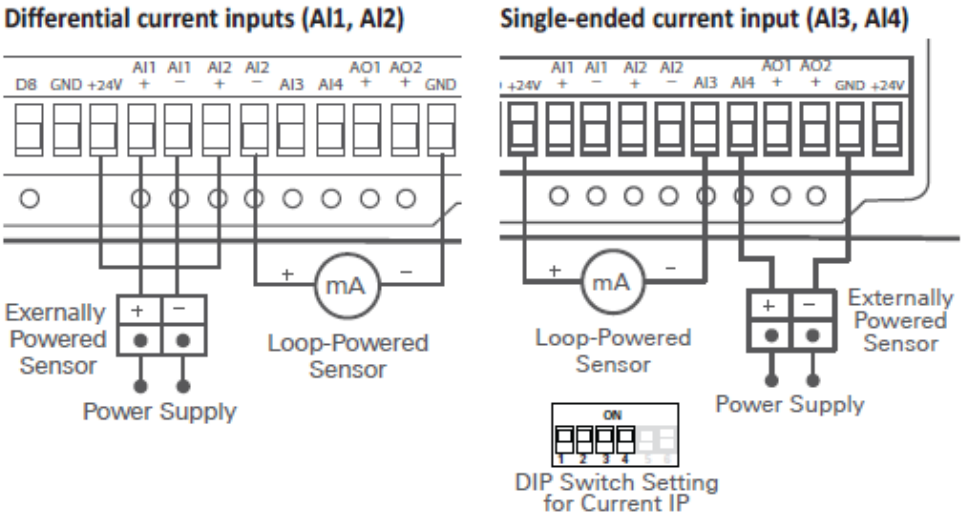
Use the DIP switches in the side access panel to select analog input voltage and current, external boot, and default configuration settings.

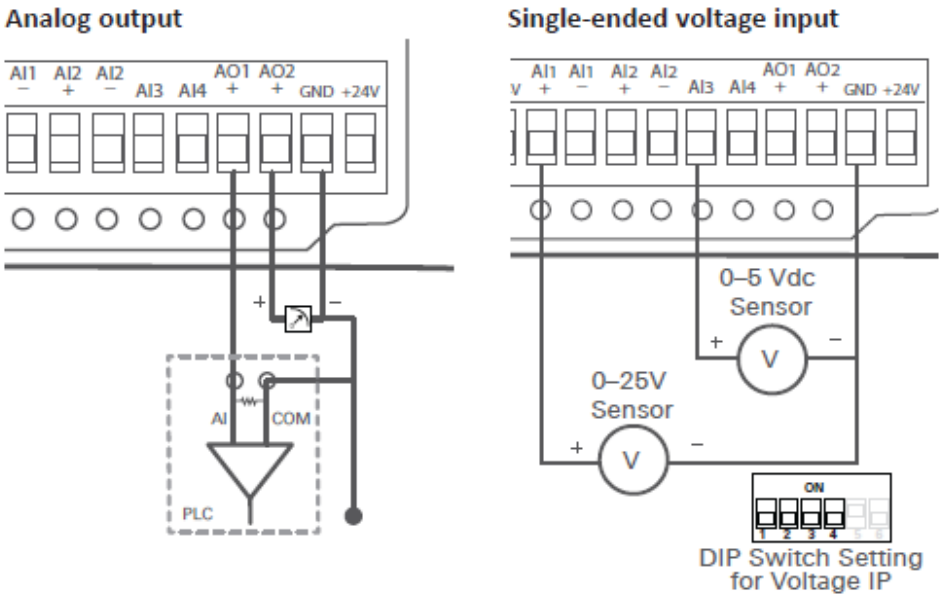
- **DIP /DESCRIPTION**
- **1** AI3 current/voltage
- **2** AI3 current/voltage
- **3** AI4 current/voltage
- **4** AI4 current/voltage
- **5** Unused
- **6** Enables default configuration

Input and output connections

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







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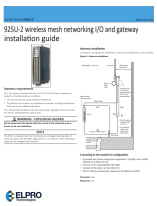
Documents / Resources

	ELPRO Technologies 925U-2 Wireless Mesh Networking I/O and Gateway [pdf] Installation Guide 925U-2 Wireless Mesh Networking IO and Gateway, 925U-2 Wireless Mesh Networking, Wireless Mesh Networking, 925U-2, IO and Gateway