



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 <60Vdc.

Models

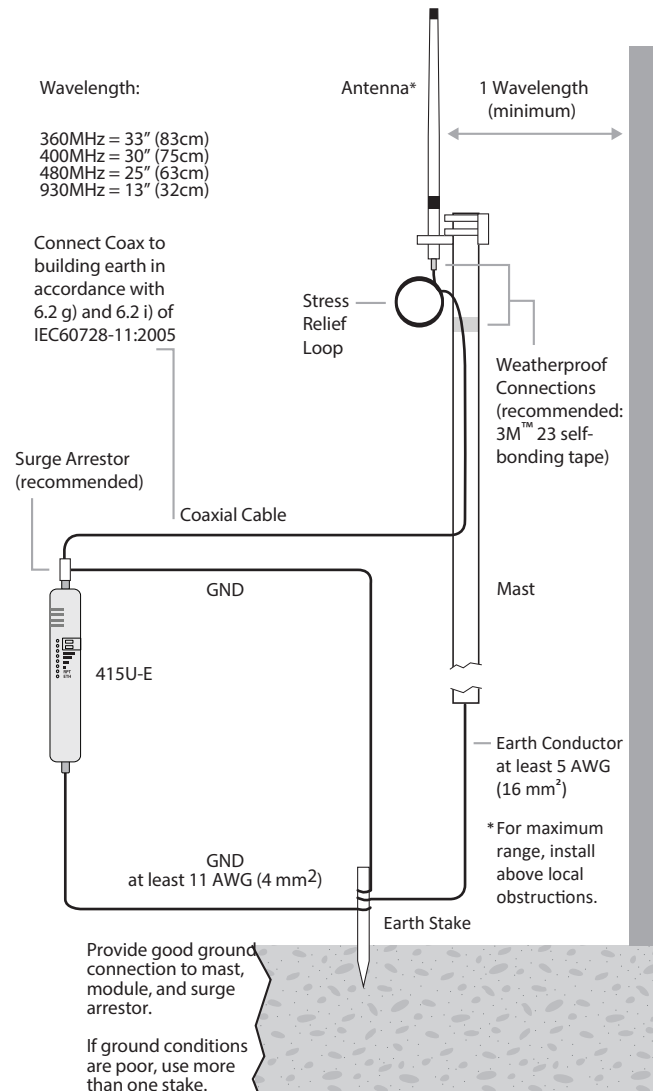
- 415U-E-C1 – 148 to 174MHz
- 415U-E-C3 – 360 to 400MHz
- 415U-E-C4 – 400 to 480MHz
- 415U-E-C5 – 470 to 520MHz
- 415U-E-C9 – 928 to 960MHz

Antenna installation

When selecting an antenna, consider radio proximity.

Use Figure 1 as a guide for installing an antenna and attaching it to the 415U-E-Cx.

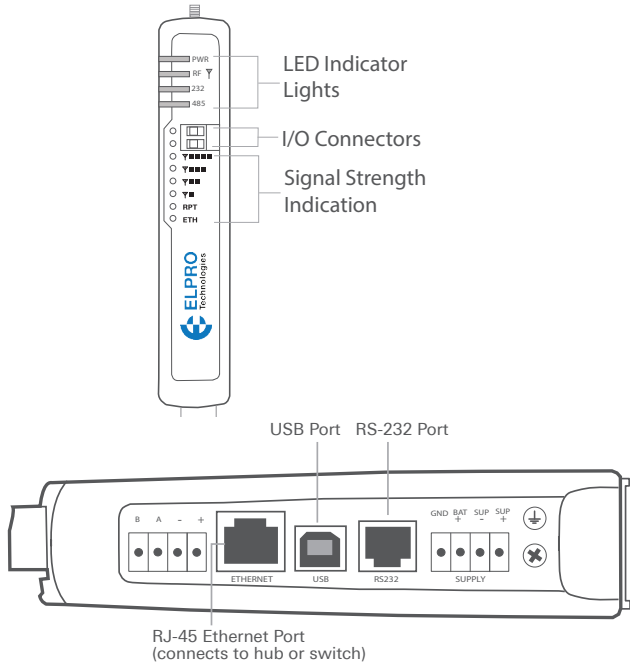
Figure 1. Antenna installation



Connecting to the module for configuration

- Download and install configuration utility software, available from the Elpro Technologies website. 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

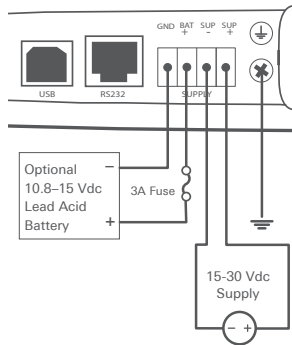
The following illustrations show the port connections on the 415U-E-Cx.



Power Supply Wiring

The ground (GND) and "SUP -" terminals are connected internally to the ground (Earth) terminal.

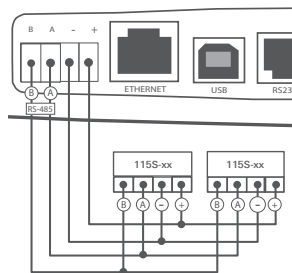
Connect the screw terminal on the end plate to ground (Earth) for surge protection.



Expansion I/O Power and RS485 serial connection

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

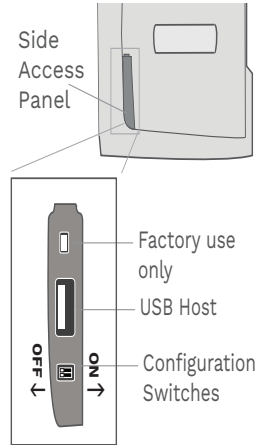
Only enable terminating resistor on the last device connected on the RS-485 cable.



Configuration Switches

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

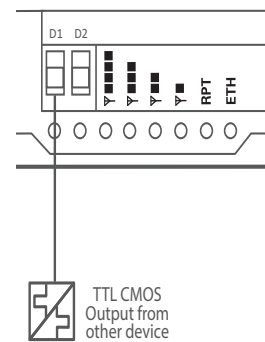
DIP	Description	OFF	ON
1	Unused	Off	On
2	Default configuration	Normal	Enabled



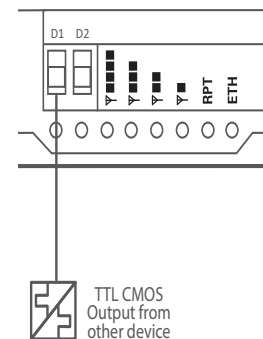
Input and Output connections

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

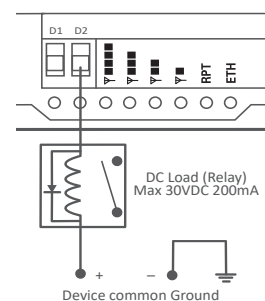
High speed pulsed input



Digital Input



Digital Output



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HOW TO ORDER

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