

# 105U-1 wireless extension I/O installation guide



## NOTE

Refer to the user manual for important regulatory and safety information before installing and using this product.

## CAUTION

For continued protection against risk of fire, replace the module fuse only with the same type and rating.

## Statutory requirements

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

## Antenna installation

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

Figure 1. Antenna Installation

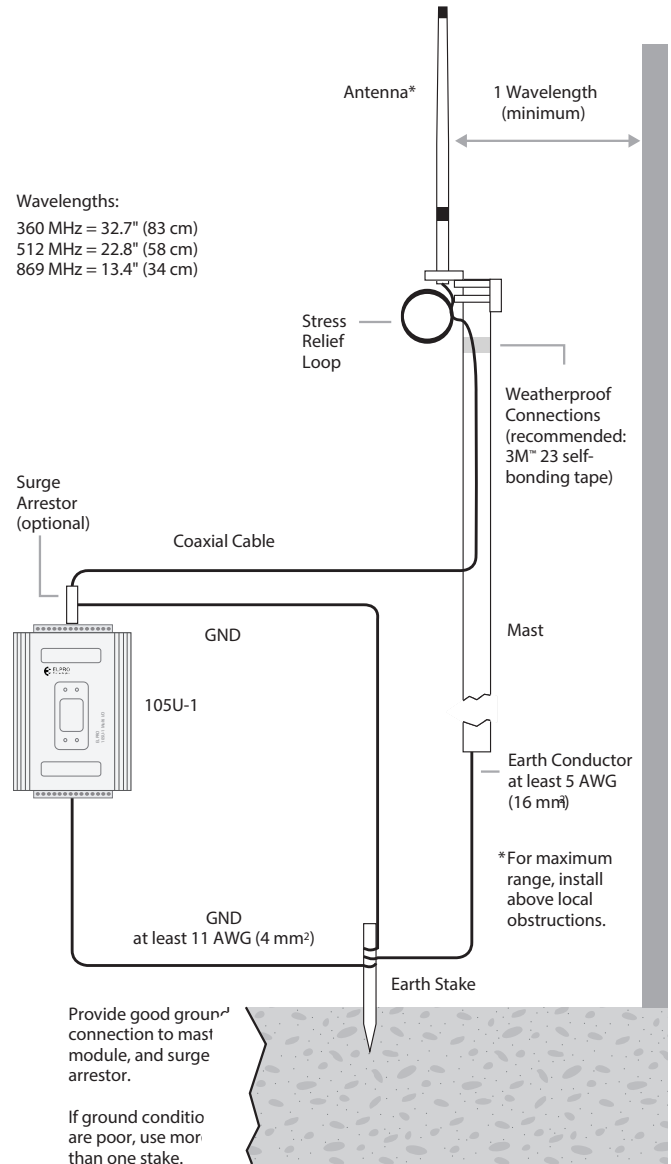


Figure 2. Wiring Diagram

**Installation**

Choose a power supply option:

- 12–24 Vac, 1.5A CSA certified Class 2, **Note:** If TX power is above 2Watts, battery must be connected to BAT+ & GND.
- 15–30 Vdc, 1.5A CSA certified Class 2, **Note:** If TX power is above 2Watts, battery must be connected to BAT+ & GND.
- 11–15 Vdc supply (2Amp) or battery
- Solar panel with battery, **Note:** 12AH max for AC/DC, 100Hr max for Solar.

After choosing a power supply option, wire the module as shown in Figure 2.

**Note:** All I/O must be SELV.

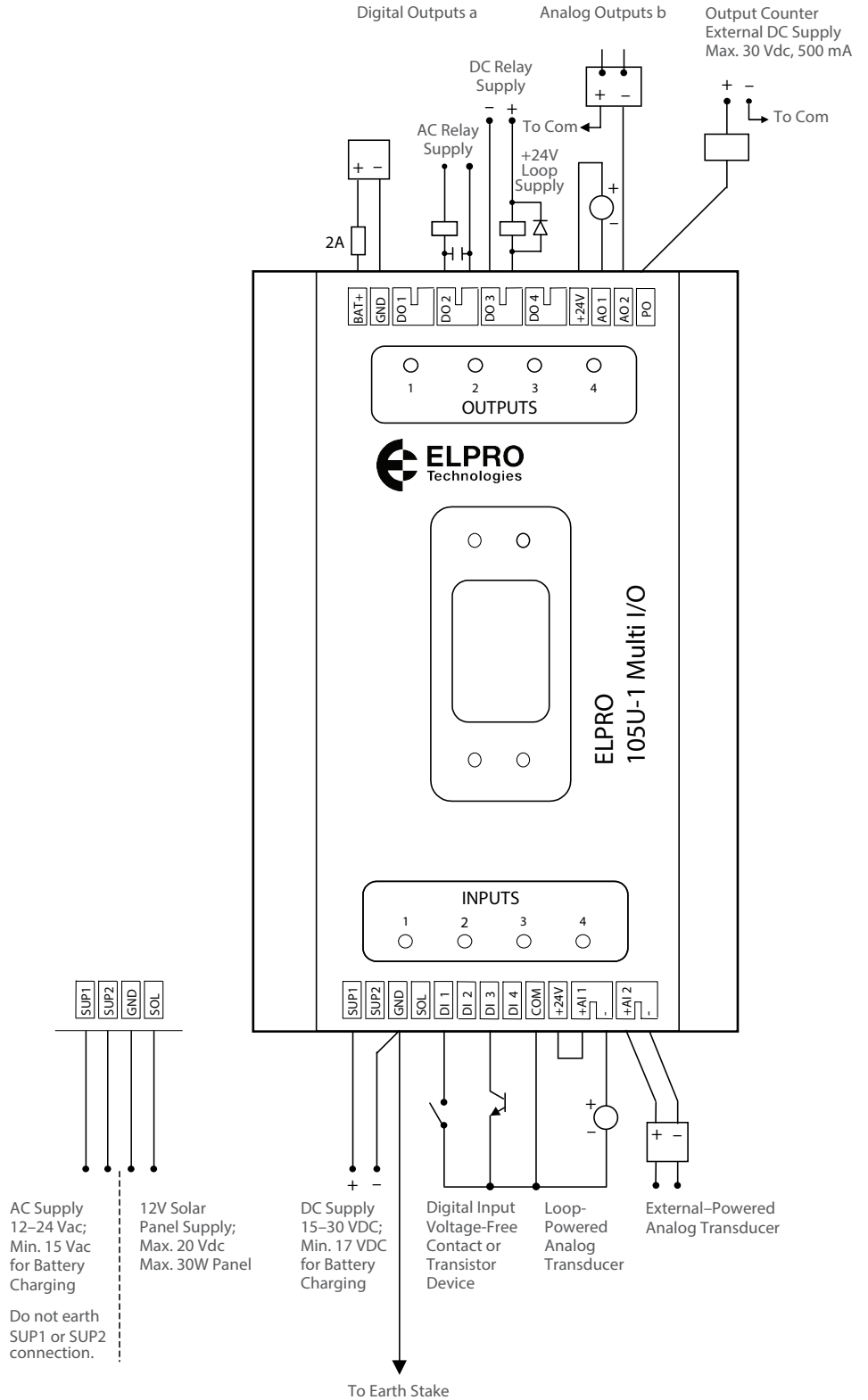
- a Digital outputs are relay contacts. For ratings see your product user manual. For AC supply, use 10 nF 250V surge capacitor. For DC supply, use bypass diode.
- b Analog outputs are either loop powered or externally powered. Output loops are earthed (not floating).

When the wiring is completed, connect the module to a computer (PC) and configure it using the configuration software. For details, refer to the user manual.

Before operating the module, read the sections on operation and configuration in the user manual to take advantage of all product features.

**WARNING  
EXPLOSION HAZARD**

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



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