

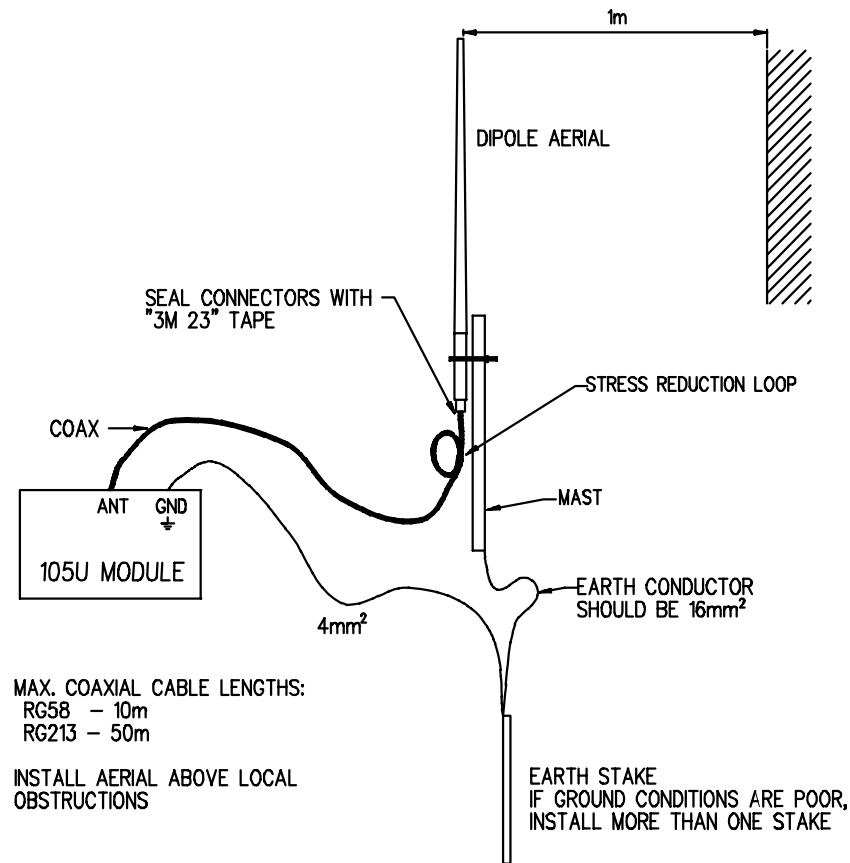
# 105U-1, 105S-1

## Installation Guide

### Statutory Requirements

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

### Aerial Installation



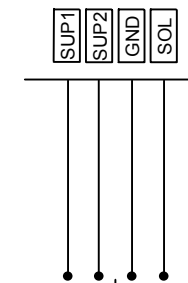
### 105-1 I/O Installation

- Power supply may be:
- (A) 12-24VAC
  - (B) 15-30VDC
  - (C) Supply battery or 11-15VDC
  - (D) Solar panel with solar battery

Choose option and wire as shown

### NOTES

- Digital Outputs are Relay contacts. For ratings refer to User Manual.  
  
AC Supply use 10nF 250V Surge Capacitor.  
  
DC Supply, use Bypass Diode.
- Analog Outputs are either Loop Powered or Externally Powered - Output Loops are earthed (not floating).



AC Supply 12-24VAC min 15VAC for Battery Charging.  
**Do not earth SUP1 or SUP2 connections**

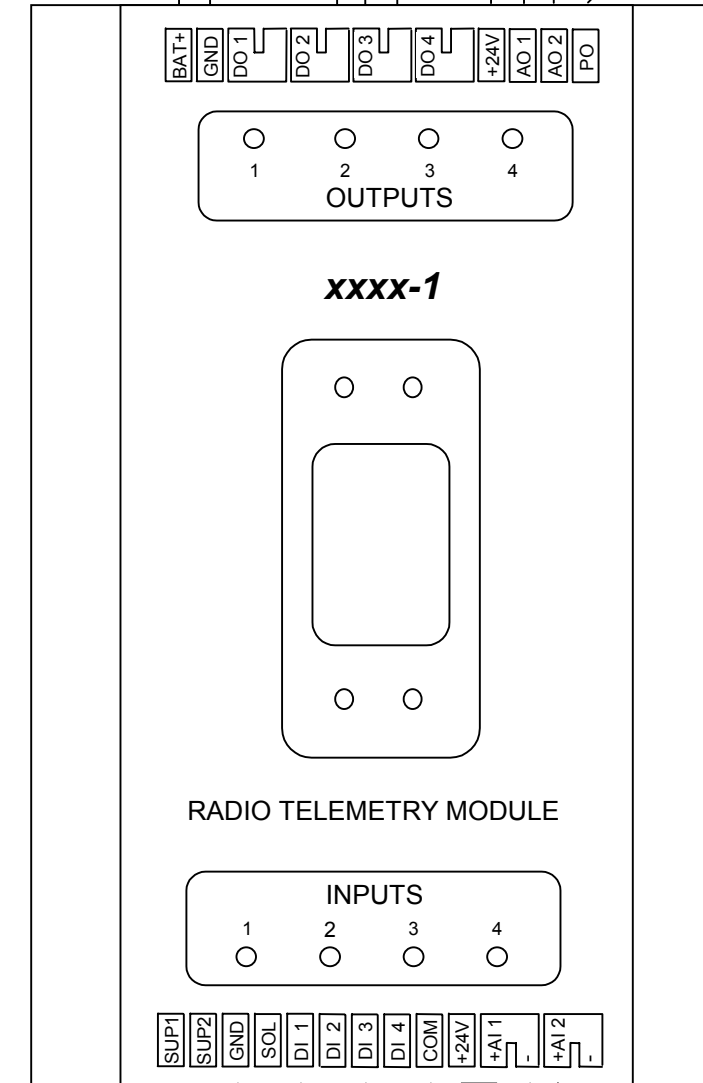
12V Solar Panel Supply max 20VDC max 30W panel

11-15VDC Supply or Optional 12V Backup Battery to 12 Amphour for AC/DC to 100 Amphour for Solar

Digital Outputs - See Note 1.

Analog Outputs - See Note 2.

Output Counter Ext. DC Supply 30VDC, 500mA max



DC Supply 15-30VDC min 17VDC for Battery Charging

Digital Input Voltage Free Contact OR Transistor Device

Loop Powered Analog Transducer

Ext. Powered Analog Transducer

To Earth Connection