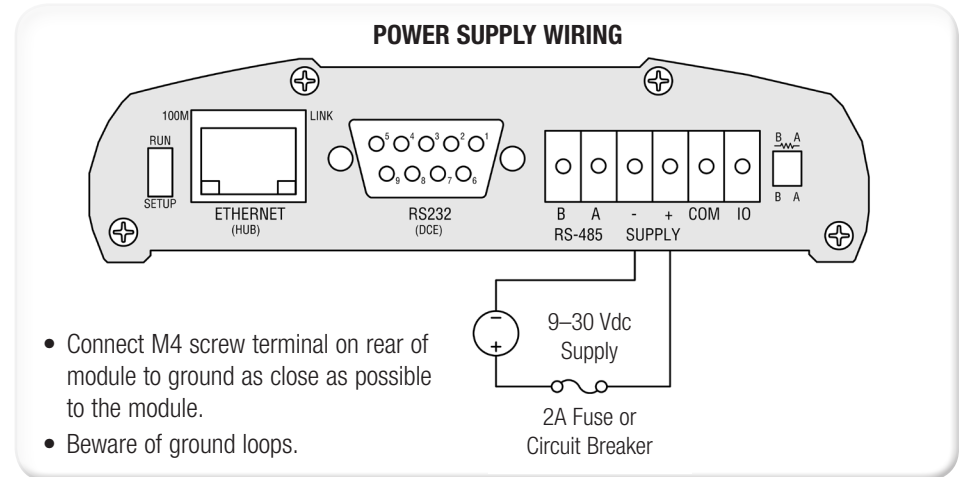
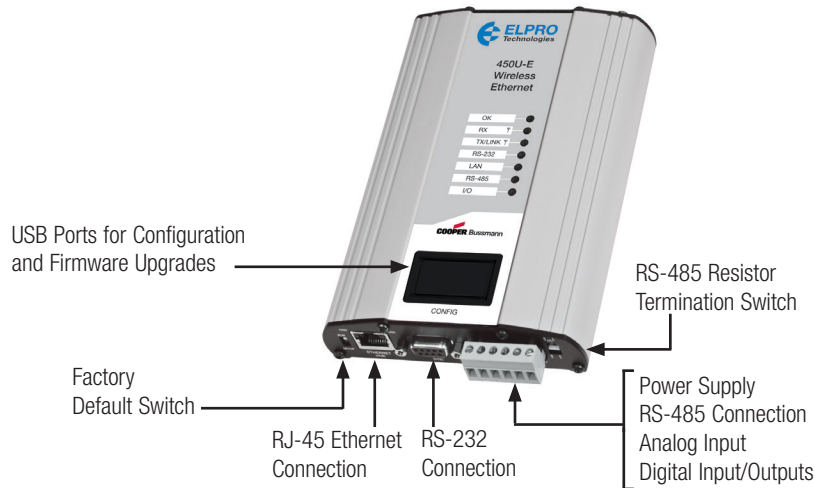


# 450U-E WIRELESS ETHERNET MODEM AND DEVICE SERVER INSTALLATION GUIDE

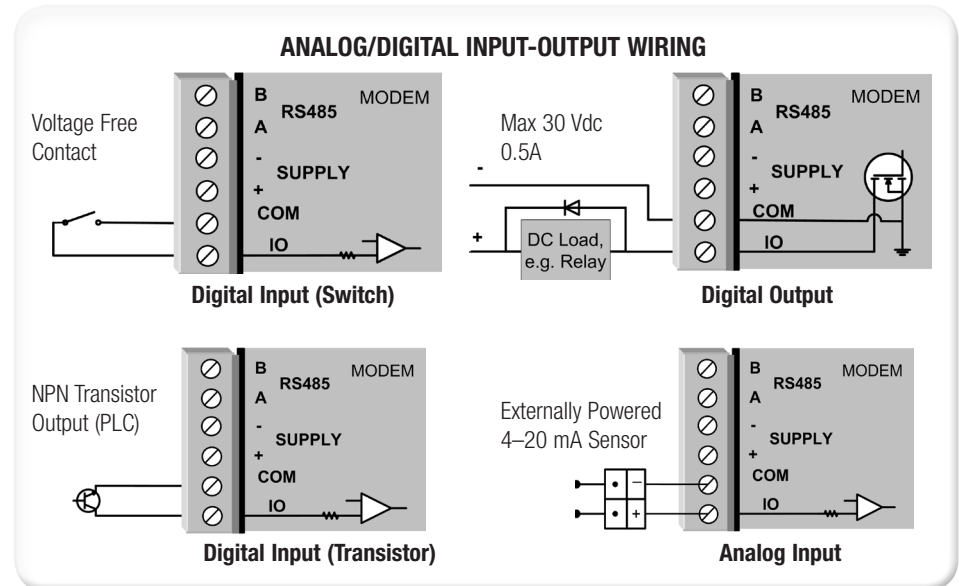


**NOTES** This equipment is suitable for use in Class I Division 2 groups A, B, C and D hazardous locations, or nonhazardous locations only.

- ALL connections must be SELV (Safety Extra Low Voltage <50 Vac and <120 Vdc).
- M4 GND screw on rear of module must be connected to the main earth/GND as close as practicable to the unit.
- Module power supply -Ve terminal is not isolated from earth/GND.
- The Modem enclosure contains aluminum and is considered to constitute a potential risk of ignition by impact or friction, and this must be taken into account during installation.
- If the Modem is installed in a hazardous environment, it must be installed in an enclosure that maintains an ingress protection rating of IP54 and meets the enclosure requirements of EN 50014 or EN60079-0.
- If the Modem is installed in a hazardous environment, coaxial cable shall be installed in a metallic conduit, per the US National Electrical Code (NEC) or NFPA.
- Consult the User Manual for details on connecting to the USB Ethernet port located under the cover on the front panel.

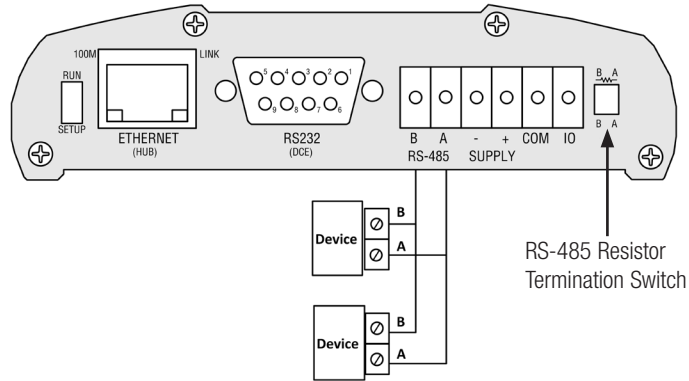


**WARNING** Explosion hazard! Do not disconnect equipment while the circuit is live or unless the area is known to be free of ignitable concentrations. Substitution of any component may impair suitability for Class 1 Division 2.



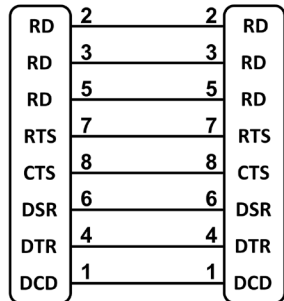
# 450U-E WIRELESS ETHERNET MODEM AND DEVICE SERVER INSTALLATION GUIDE

## RS-485 CONNECTIONS



## RS-232 CONNECTIONS

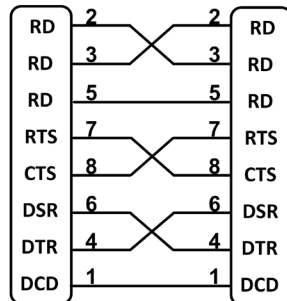
### PCs



MODEM (DCE)  
DB9  
FEMALE

DCE Device  
DB9  
FEMALE

### PCs, Data Loggers



MODEM (DCE)  
DB9  
FEMALE

HOST/PC (DTE)  
DB9  
MALE

## ANTENNA INSTALLATION

**WAVELENGTHS**  
360 MHz = 83 cm  
512 MHz = 58cm

