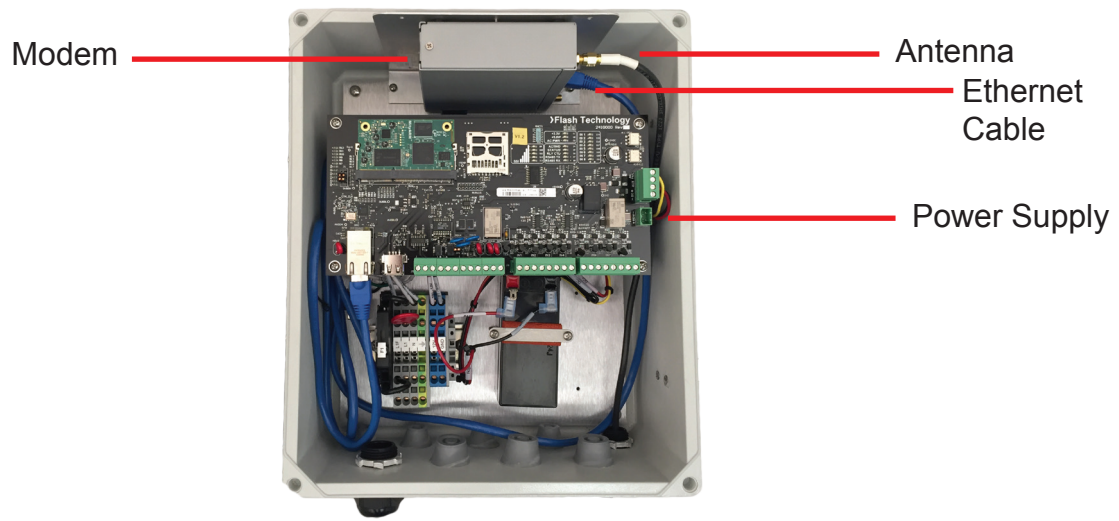


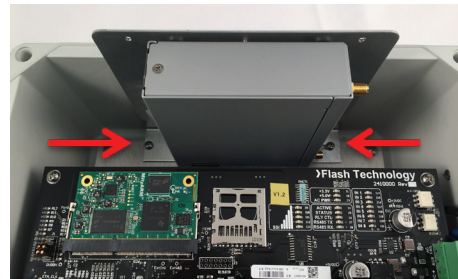
Digi WR21 Modem Installation for FTM 190



Warning: Disconnect main power and backup battery before performing the following procedure.

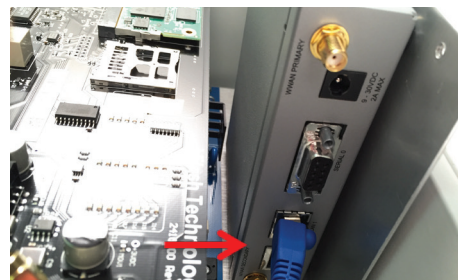
Step 1: Install the Modem

Install two #6-32 screws (provided) in the two locations at top of backplate but do not tighten. Place modem bracket on the screws with the Ethernet port on the right side, and slide the bracket into place. Then tighten the screws.



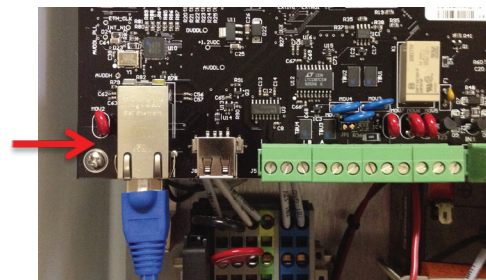
Step 2: Connect Ethernet To Modem

Connect the Ethernet cable to the terminal point labeled "LAN 1" on the right side of the modem.



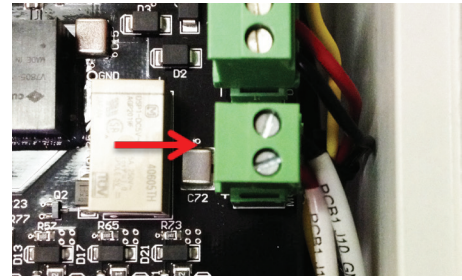
Step 3: Connect Ethernet To Board

Connect the other end of the Ethernet cable to the bottom left of the PCB1 controller board connector J9.



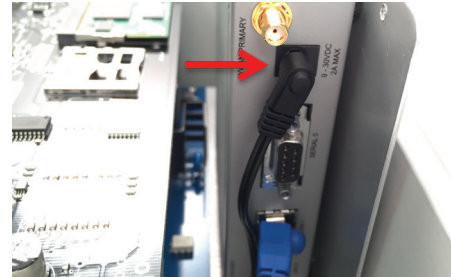
Step 4: Connect Power Supply To Board

Connect the power cable to the PCB1 controller board connector J10. Be sure that the black wire with the white stripe is connected to the (+) pin, and the solid black wire is connected to the (-) pin. Use a small flat blade screwdriver to gently tighten the wire connections in place.



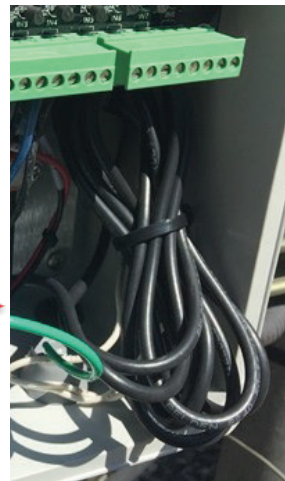
Step 5: Connect Power Supply To Modem

Insert the other end of the power cable into the modem power receptacle and tuck the excess cable out of the way.



Step 6: Mounting Bracket and Antenna Installation

- Install the Mounting Bracket on Wall using screws (not included) or on horizontal Unistrut using spring-nuts (not included).
- Mount the antenna on the bracket's center slot. Tighten hardware.
- Install the provided cord grip into opening in the enclosure bottom.
- Route the antenna cable through the cord grip into the enclosure.
- Coil up any unused antenna cable inside the enclosure. The diameter of the coil should be as large as possible. →
- Tighten cable strain relief on the bottom of the enclosure securely.
- Secure the antenna cable outside the enclosure using cable ties.
- Ground the antenna bracket with a minimum AWG 14 Ground wire connected to the site Grounding System.
- Observe proper Grounding procedures.



Incorrect



Correct

Step 7: Connect Antenna

Install the antenna to the connector on the right side of the modem labeled "Primary". Make sure the antenna is tightened down snug, but do not use a wrench to do so.

