

1. Unpack the monitor, antenna, and data*/power cable. Check for any shipping damage and connect the 25-pin cable to the monitor's front. This cable handles power, alarm inputs, relay outputs, and analog inputs.
2. Place the antenna vertically on the generator roof, ensuring it's at least 20 cm away from people and not transmitting simultaneously with other antennas. Create a drip loop to prevent water from entering the cable connection.
3. Attach the monitor to a suitable horizontal surface on the engine controller or similar location using its magnetic feet. It can be mounted vertically or upside down if needed, but ensure cables are positioned to prevent water ingress.
4. Feed the data*/power cable through the generator control's bottom entry.
5. Please see below for installation instructions based on controller.
6. Connect and tighten the antenna cable to the monitor's front.
7. Turn on the monitor and check if the LEDs light up and blink. If only the Power LED is lit after 5 minutes, check power connections and antenna setup.
8. Allow 15 minutes for network login, then contact OmniMetrix at 770-209-0012 to verify installation. Access machine data through the OmniView® web interface at www.omnimetrix.net.

Data/Power Cable



Lantronix



PowerZone Pro



PowerZone Pro Sync



PowerZone Pro

Wiring Modbus RS-485 on Gateway

Wiring Table		
OMN WIRE	FUNCTION	GATEWAY TERMINATION
Red	Power In (9-30Vdc)	Battery +
Black	Ground	Battery -
White	RS485+	12-A
Green	RS485-	14-B

* A 4-pin connector will be needed to land wires on RS-485 terminal.

** Lantronix can be used on ethernet port on Gateway

If using the connectivity server, you have two options to connect, Lantronix or USB to RS-485 converter.

Setting up Modbus RTU on PZ menu:

Communications → External Interfaces → RS-485 Built In → Configure

Mode = Modbus Gateway

Enable RAP/RRP = Disabled

Baud Rate = 9600

Parity = None

Stop Bits = 1

Unit ID = 1

Setting Up Ethernet settings on PZ Menu:

Communications → Ethernet/Wi-Fi/Bluetooth

Ethernet Enabled =

Connection Mode: Static

IPv4 Address: 10.0.1.101

Subnet: 255.255.0.0

DNS: Stays Blank

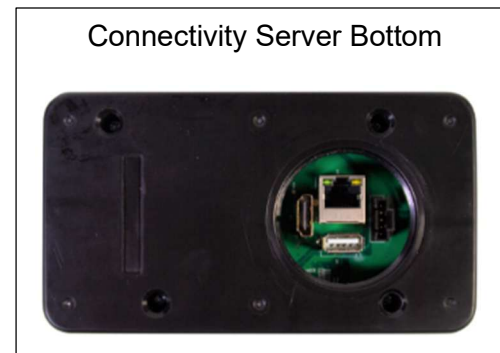
Gateway: 10.0.1.1 (This is optional)

**Once IP address change is applied, you will not be able to use your PC to access controller. You will have to call Generac to get controller reset for access via PC.

Communications → External Interfaces → Ethernet Built-In → Configure

Modbus Gateway = Enabled

Ignore Unit ID =



PowerZone Pro Sync

Wiring Modbus RS-485 on PowerZone Pro Sync

Wiring Table		
OMN WIRE	FUNCTION	GATEWAY TERMINATION
Red	Power In (9-30Vdc)	Battery +
Black	Ground	Battery -
White	RS485+	3
Green	RS485-	4

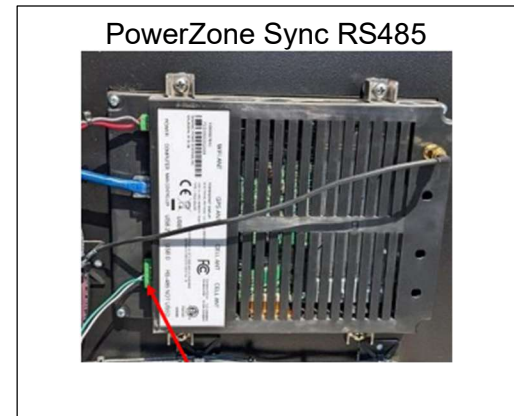
* Lantronix can be used on ethernet port on back of controller



Setting up Modbus RTU on PZ menu:

Communications → External Interfaces → RS-485 Built In → Configure

Mode = Modbus Gateway
 Enable RAP/RRP = Disabled
 Baud Rate = 9600
 Parity = None
 Stop Bits = 1
 Unit ID = 1



Setting Up Ethernet settings on PZ Menu:

Communications → Ethernet/Wi-Fi/Bluetooth

Ethernet Enabled =
 Connection Mode: Static
 IPv4 Address: 10.0.1.101
 Subnet: 255.255.0.0
 DNS: Stays Blank
 Gateway: 10.0.1.1 (This is optional)

Communications → External Interfaces → Ethernet Built-In → Configure

Modbus Gateway = Enabled
 Ignore Unit ID =

