



Cummins PCC1301 with HMI ModPro Controller Connection Guide



Essential Install Wires

MODPRO CONNECTION	CONNECTION LOCATION & NOTES
Battery Positive (+)	Engine Battery Positive (B+)
Battery Negative (-)	Engine Battery Negative (B-)
RS485 A - #5	TB2 - 3
RS485 B - #4	TB2 - 4
Shield - #3	TB2 - 1

⚠ PLEASE READ ALL INSTRUCTIONS PRIOR TO INSTALLATION ⚠

DEFAULT COMM SETTINGS:

- Slave Address: 1
- Baud Rate: 9600
- One Stop Bit
- Parity: None

INSTALLATION PROCESS AND SEQUENCE:

1. Locate the antenna on the outside of the generator enclosure and route the antenna coax to the planned monitor location. If cell coverage is strong enough, the antenna may be located inside of the generator enclosure. This can be confirmed during the testing process.
2. Mount the ModPro in a suitable non-vibrating weather protected location, typically inside of the generator controller or on the side or top of the controller. The monitor can be mounted with the self-tapping screws.
3. Connect the Belden Cable to the RS485 terminals on the controller and the ModPro as shown above.
4. Connect the Antenna to the Cellular Connector on the ModPro.
5. Connect the Power (+) and (-) terminals to the appropriate battery terminals. Once the power leads are connected, the monitor will boot up.
6. Call Power Telematics (678-992-5501, Option 3) for testing.



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Generator Common Fault Testing

Manually run generator and turn off fuel supply for gas engines, OR Press E-Stop (If generator has one).

