

# OMNIPRO

## ComAp MRS 19/16



### 1. Unpack Components

- Unpack the monitor, antenna, and data and power cable.
- Inspect all components to ensure there is no shipping damage.

### 2. Installing Antenna

- Place the antenna vertically at the center of the roof of the generator.
- Route the antenna cable into the area of the generator control.
- Ensure a drip loop lower than the monitor to prevent water from running down the antenna cable into the monitor connection.

### 3. Attach the Antenna Cable:

- Attach the antenna cable to the front of the monitor and tighten thumb tight.

### 4. Attaching the Monitor.

- Attach the monitor via its magnetic feet, on top of the engine controller or another appropriate location.
- Horizontal surfaces are best, but the unit may be mounted vertically or even upside down if necessary.

**\*Note: If mounted vertically, install the monitor with the cables down to prevent water from entering the enclosure.**

### 5. Connect the Monitor:

- The monitor can connect to the ComAp MRS19/16 via a Serial Port.

### 6. Utilize Modbus Capabilities:

- Connect the OMN Serial Port to the controller serial port.
- ComAp controller software will be required to set up communication settings.
- Set up controller communications port to Baud Rate 19200, parity none, Slave ID 1.

### 7. Power On and Check LEDs:

- confirm that the LEDs light up and blink.
- If not, check for power wires at the battery. (Scan QR code for light sequence)

### 8. Confirm Installation:

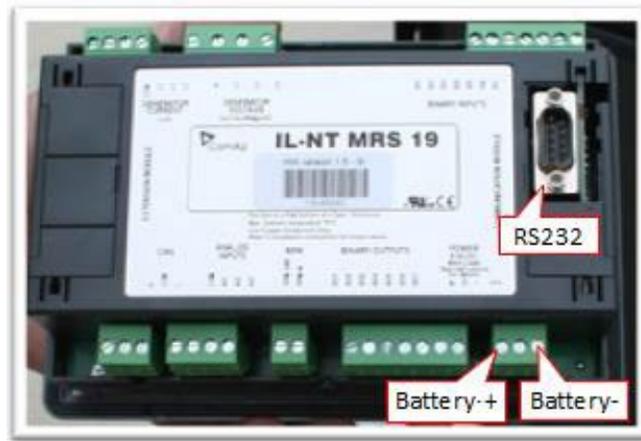
- Allow 15 minutes for the monitor to log into the network. Call OmniMetrix at 770-209-0012 to confirm installation.



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| ComAp MRS19/16 Wiring Diagram |             |                    |             |
|-------------------------------|-------------|--------------------|-------------|
| SLEEVE COLOR                  | OMNI WIRE   | FUNCTION           | TERMINATION |
| Red                           | Red         | Power In (9-30Vdc) | Battery +   |
|                               | Black       | Ground             | Battery -   |
| Yellow                        | Serial Port | Modbus Data        | RS-232 Port |

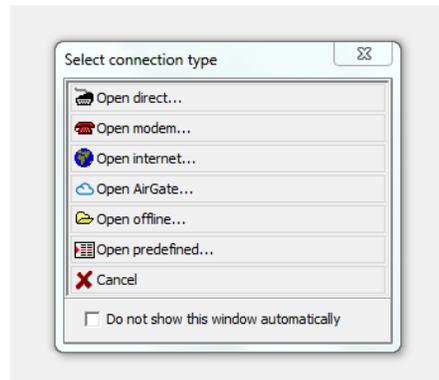


If you have any questions, please call OmniMetrix Tech Support at  
770-209-0012 or email at [techsupport@omnimetrix.net](mailto:techsupport@omnimetrix.net)



### Configure the Software

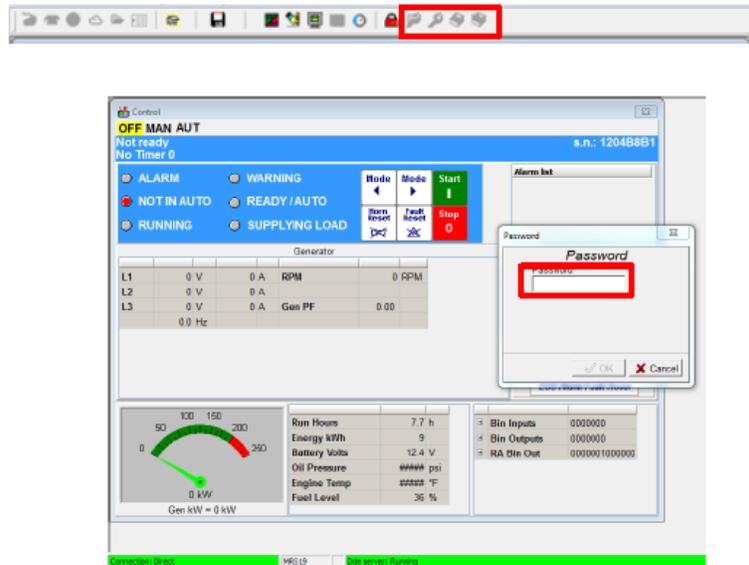
1. Download the configuration software from <http://www.comap.cz/> (NOTE: Installation may require signing up as a ComAp Member. Registration may take as long as 24 hours to be cleared. Please plan accordingly).
2. Choose 'Download Center' from the right side of the screen. Once the screen opens, under the 'By Type of File', select 'Software' and download 'LiteEdit X.X.X Installation Suite' (latest version).
3. Once the download is complete, the alarms must be configured.
4. The control may have a password on the front panel under Settings and Configuration access. The default for ComAp is 0, Magnum units' password is 333.
5. Open the LiteEdit 4.6.5 Installation Suite and select 'Open Direct Connection' under the 'Select Connection Type'.



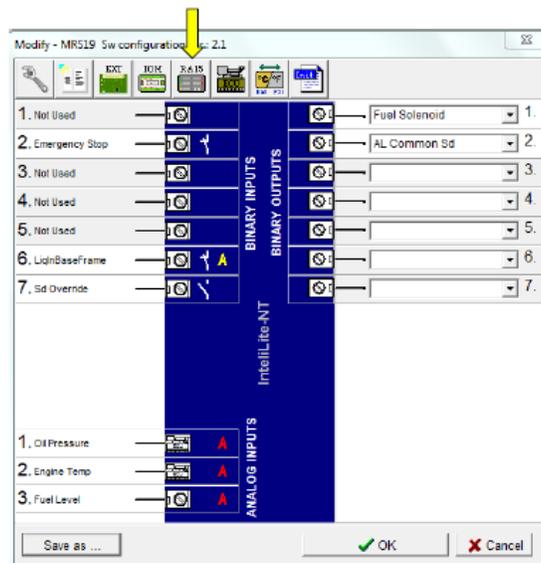
6. The Configuration Screen will display. In the top center of the toolbar, select the RED LOCK icon.



7. The password dialog box will appear. Enter '0'. This will 'unlock' the four tools to the right of the icon. Select the second 'wrench' to the right.



8. The 'Binary Inputs/Outputs screen will open. Select the 'RA 15' button at the top of the screen.

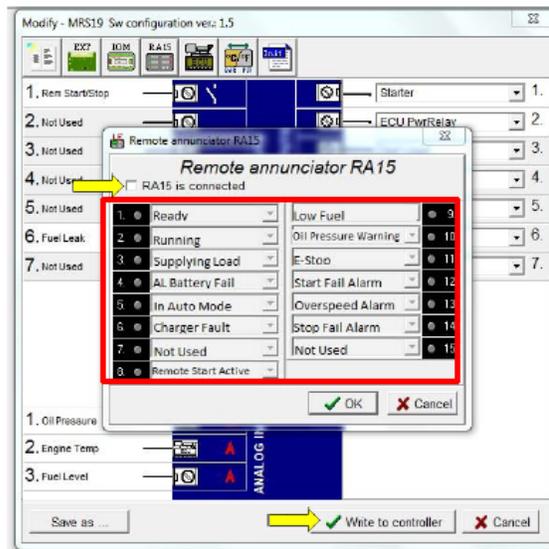


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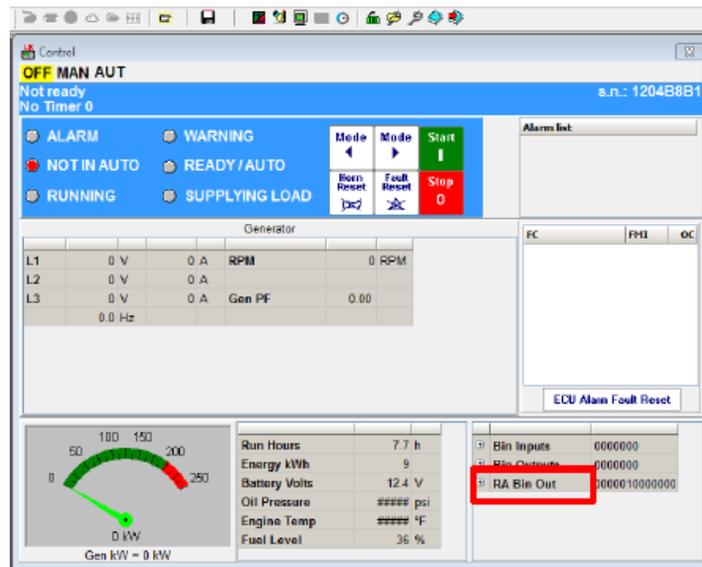
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9. The 'Remote Annunciator RA15's window will open. Check the box beside "RA15 is connected", select OK, then select "Write to Controller". Select the RA15 button at the top of the screen again and check the box beside RA15 is connected. Configure the 15 alarm points as listed below, select OK, then select, "Write to Controller. Select the RA15 button at the top of the screen a third time and UNCHECK the box beside "RA15 is connected". Select OK, then select "Write to Controller" once again.

1. Ready and Waiting
2. Running
3. Supplying Load
4. AL Battery Fail
5. In Auto Mode
6. Charger Fault
7. Not Used
8. Remote Start Active
9. Low Fuel
10. Oil Pressure Warning
11. E-Stop
12. Start Fail Alarm
13. Overspeed Alarm
14. Stop Fail Alarm
15. Not Used



10. After configuring all alarms, select OK. The Configuration screen will appear again. Confirm 'RA Bin Out' is present in the lower right-hand corner.

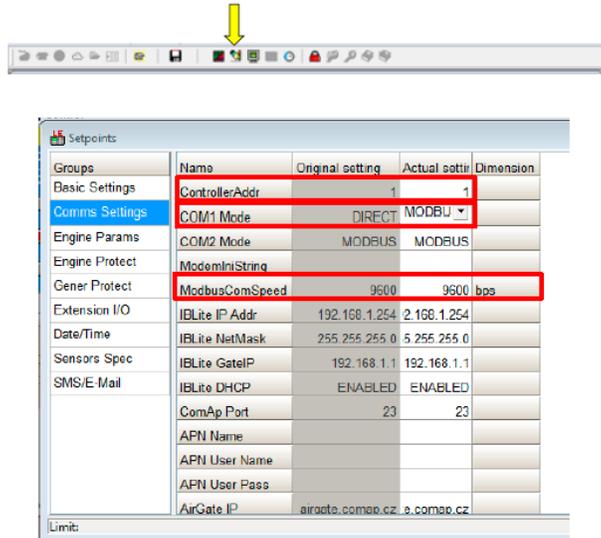


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11. Select Page Button → Set Points → Comms Settings.

- Set ControllerAddr = 1
- Set COM1 Mode = Modbus (COM1 is RS232)
- Ensure ModbusComSpeed is set to 9600 bps



12. The Alarm configuration is now complete.

