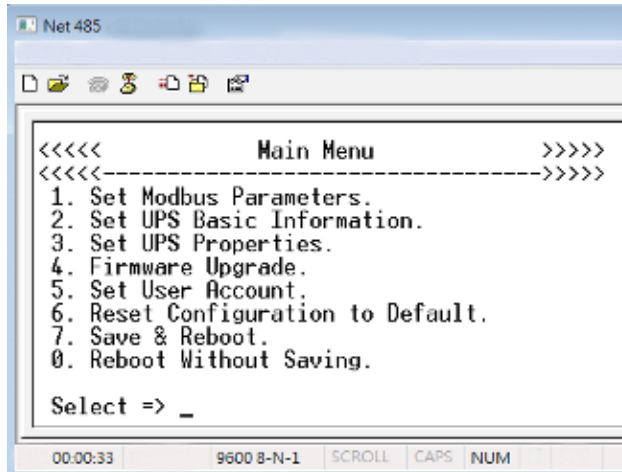


DIN RAIL UPS MODBUS NET485 BOX QUICK SETUP GUIDE

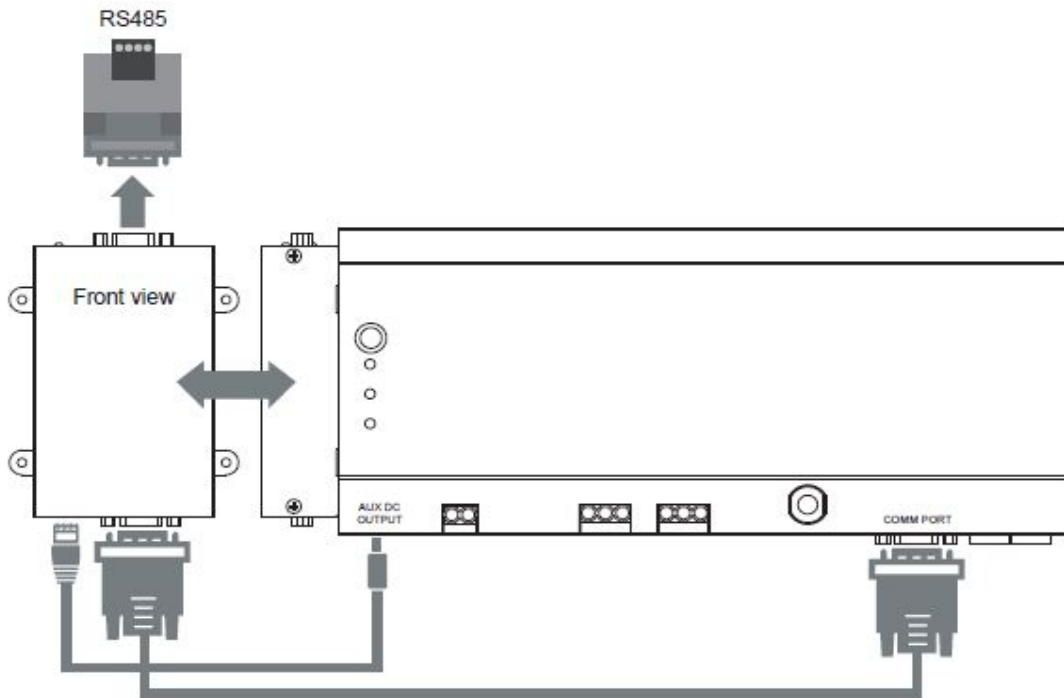
1. Remove JP4 from the Modbus card
2. Computer <-----> RS232 <-----> Modbus box
3. Plug in the power cord from the UPS
4. Start windows hyper-terminal >> 9600 / 8 / None / 1 / None
5. Select => 1
 - Address = 1 (Example)
 - RTU mode
 - Baud Rate = 115200
 - RS485
 - Half Duplex
 - Normal Mode
6. Re-plug in JP4



```
Net 485
<<<<< Main Menu >>>>>
<<<<<----->>>>>
1. Set Modbus Parameters.
2. Set UPS Basic Information.
3. Set UPS Properties.
4. Firmware Upgrade.
5. Set User Account.
6. Reset Configuration to Default.
7. Save & Reboot.
0. Reboot Without Saving.

Select => _
```

00:00:33 9600 8-N-1 SCROLL CAPS NUM



1. Connect the power cord and RS232 cable from the UPS to the Modbus box.
2. Plug in the RS485 converter to the Modbus Box.
3. Power on the UPS.
4. Confirm the LED on the Modbus box is flashing.

Modbus Register – Get

Register	Query Address	Size	Measurement	Notes
UPS Information Group				
40001 - 40007	0000 - 0006	14 characters	UPS Company Name	14 characters
40008 - 40012	0007 - 0011	10 characters	UPS Model	10 characters
40013 - 40017	0012 - 0016	10 characters	version number of the UPS firmware	10 characters
40018 - 40025	0017 - 0024	16 characters	firmware revision of the UPS SNMP Proxy agent.	16 characters
Battery Group				
40026	0025	UWORD	Battery Status	Integer Value: unknown(1), batteryNormal(2), batteryLow(3)
40027	0026	UWORD	Seconds on Battery	Seconds
40028	0027	UWORD	Battery Capacity	0-100%
40029	0028	UWORD	Battery Voltage	x0.01 VAC
40030	0029	UWORD	Battery Temperature	x0.1 °C
40031	0030	UWORD	Battery Current	x0.1 A
Input Group				
40040	0039	UWORD	Input Line Voltage	x0.1 VAC
40041	0040	UWORD	Input Max Line Voltage	x0.1 VAC
40042	0041	UWORD	Input Min Line Voltage	x0.1 VAC
40043	0042	UWORD	Input Frequency	x0.1 Hz
Output Group				
40050	0049	UWORD	Output Status	Integer Value: unknown(1), onLine(2), onBattery(3), onBoost(4), sleeping(5), onBypass(6), rebooting(7), standBy(8), onBuck(9)
40051	0050	UWORD	Output Voltage	x0.1 VAC
40052	0051	UWORD	Output Frequency	x0.1 Hz
40053	0052	UWORD	Output Load	0-100%
Rating Group				
40060	0059	UWORD	Rating Voltage	x0.1 VAC
40061	0060	UWORD	Rating Power	VA
40062	0061	UWORD	Rating Battery Voltage	x0.01 VAC
40063	0062	UWORD	Rating Frequency	x0.1 Hz

Modbus Register – Set

Register	Query Address	Size	Measurement	Notes
40070	0069	UWORD	Config ups Shut off Delay	The delay in seconds the UPS remains on after being told to turn off. Allowed values are 12, 18, 24, 30, 36, 42, 48, 54, 60, 120, 180, 240, 300, 360, 420, 480, 540, and 600 seconds.
40080	0079	UWORD	Control UPS Off	Integer Value: turnUpsOff(2)
40071	070	UWORD	Config Ups Sleep Time	Integer Value: 1 - 9999
40081	0080	UWORD	Control Reboot Ups	Integer Value: rebootUps(2)
40082	0081	UWORD	Control UPS Sleep	Integer Value: noPutUpsToSleep(1), putUpsToSleep(2)
40083	0082	UWORD	Control Simulate Power Fail	Integer Value: simulatePowerFailure(2)
40084	0083	UWORD	Control Flash And Beep	Integer Value: flashAndBeep(2)
40085	0084	UWORD	Control Turn On UPS Load	Integer Value: upsSmartControlTurnOnUpsLoad(2)

