

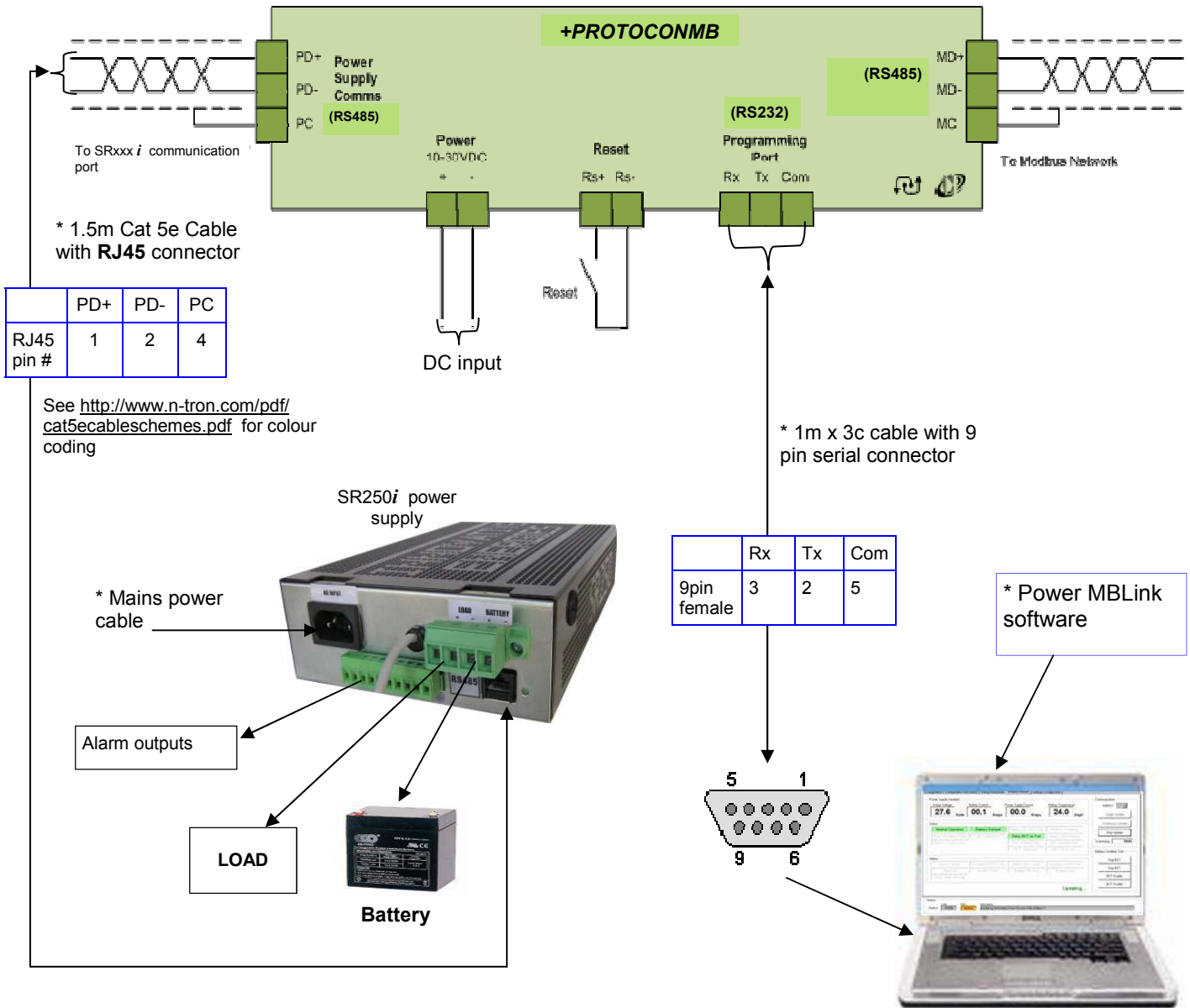
PROTOCOL CONVERTER FOR RS485

The **+PROTOCONMB** protocol converter is designed to be used with **No-Break™ DC** power supplies, with single battery output, for example SR100*i* or SR250*i* with RS485 communication port. It enables the user to monitor and control in real time various power supply parameters using Modbus RTU protocol via the RS485 output port or the RS232 programming port.

The **+PROTOCONMB-OE** converter, in addition to the above, enables the user to monitor and control the power supply via Modbus TCP and HTTP over Ethernet. For further information on this version please refer to the **+PROTOCONMB-x-OE** data sheet.

The 'Power MBLink' software supplied is used to configure the MODBUS address and baud rate of the interface.

Model Codes:
+PROTOCONMB: Modbus RTU on RS485 link
+PROTOCONMB-OE: Modbus RTU on RS485 & Modbus TCP and HTTP over ethernet



* Accessories included

INFORMATION AVAILABLE VIA MODBUS OUTPUT OR LOCAL PROGRAMMING PORT

Continuously Updated Variables:

- Output Voltage
- Battery Current
- Power Supply Current
- Battery Temperature

Alarms

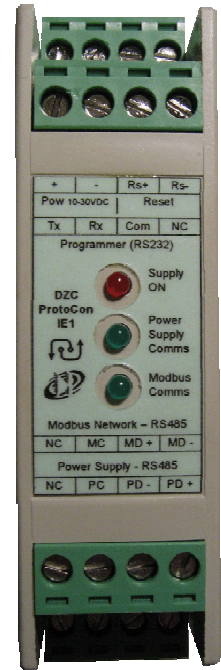
- Mains Failure
- Possible Mains/PSU Fail
- Battery in Bad Condition
- Communications to PSU Fail (eg. on LV disconnect)
- Overload
- System Down
- Battery Missing
- Battery Low
- Possible Battery Missing

Alarm State Signals:

- Normal Operation
- Battery Present
- Battery OK (on input power fail)
- Battery Charging
- Battery Condition Test
- BCT enabled
- Retry BCT on fail
- Battery Discharging
- Battery in Good Condition

Command Functions:

- BCT Enable Acknowledge
- BCT Disable Acknowledge
- BCT Start Acknowledge
- BCT Stop Acknowledge



Power MBLink v1.2

Innovative Energies - Power Supply - Modbus Interface Programmer
Power MBLink Version 1.2

Configuration | Configuration Instructions | Wiring Instructions | Modbus Monitor | Settings & Diagnostics

Power Supply Variables

| | | | |
|--------------------------------------|--------------------------------------|---|--|
| Output Voltage: 27.7 Volts | Battery Current: 00.0 Amps | Power Supply Current: 01.5 Amps | Battery Temperature: 20.0 DegC |
|--------------------------------------|--------------------------------------|---|--|

Status

| | | | |
|----------------------|--------------------|-----------------------|---------------------|
| Normal Operation | Battery Present | Battery OK (Pwr Fail) | Battery Charging |
| Batt. Condition Test | BCT Enabled | Retry BCT on Fail | Battery Discharging |
| Batt in Good Cond. | | BCT Enable Ack | BCT Disable Ack |
| | | BCT Start Ack | BCT Stop Ack |

Alarms

| | | | |
|--------------------|---------------------|------------------------|-------------------|
| Mains Failure | Possible M/PSU Fail | Batt in Bad Cond. | Comms to PSU Fail |
| Overload | System Down | Battery Missing | Battery Low |
| Poss. Batt Missing | | | |

Communication

Address:

Single Update

Continuous Update

Stop Update

Watchdog:

Battery Condition Test

Start BCT

Stop BCT

BCT Enable

BCT Disable

Notice

| Code | Type | Description |
|-------|--------|---|
| 03006 | Notice | Updating Information From Device With Address 1 |