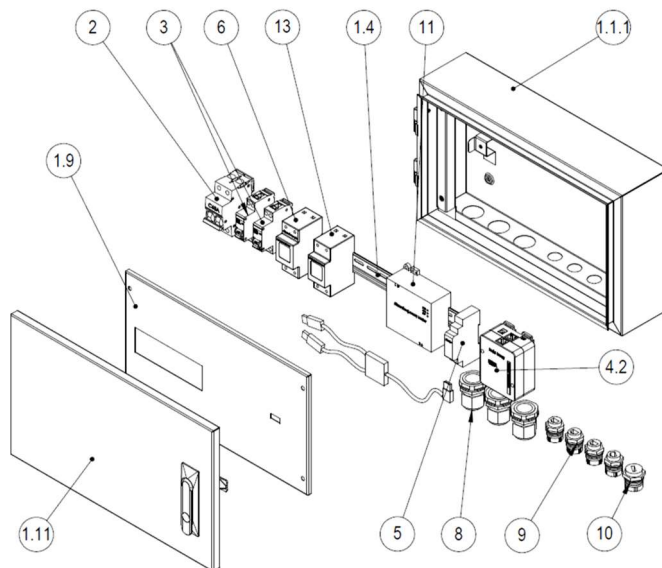


Application Note AN001

How to set the modbus address and baud rate on the PV Meter (EC0071 – Eastron SDM230 NMI-2) in Hub 1.5

Overview

This applications note describes the steps for setting the required modbus address and baud rate on the second (right hand) Eastron SDM230-NMI-2 inside Hub 1.5. This enables the meter to be used in place of a separate PV Meter for AC-coupled SolaX battery systems, based on the SolaX X1-AC and X1-FIT inverter models.



Item No.	Part Number and Description	Qty
1	SS0003 – Enclosure	1
1.4	MC0007 – Din Rail	1
1.9	SC0015 – Inner Cover	1
1.11	SS0004 – Door Assembly	1
1.12	SC0022 – Earth Bar Mount – 6P (not shown)	1
1.13	MC0015 – Earth Block Mount – End (not shown)	3
1.14	6P Brass Block (not shown)	1
1.15	5P Brass Block (not shown)	1
2	EC0048 – 63A MCB 2P Type C	1
3	EC0034 – 32A MCB 2P Slimline Type C	2
4.0	ES0002 – DRU Module – 4 Port LAN included	1
5	EC0005 – Power Supply – DRU	1
6	EC0036 – Eastron Power Meter SDM230 – 50ms Firmware	1
7	NC0001 – Nameplate – Levelise Hub	1
8	PC0006 – M32 Cable Gland	3
9	PC0003 – RJ45 Gland – Female to Female	4
10	PC0004 – USB Gland – Female to Female	1
11	EC0033 – Frequency Meter – 50ms	1
12	EC0031 – USB Twin Data Splitter Cable	1
13	EC0071 – Eastron Power Meter SDM230 – Address 2 (Optional)	1

Compatible Models

- X1-FIT G4
- X1-AC
- X1-HYBRID G4 (AC-coupled mode)

Quick Summary for Experienced Users

If you're confident working with the control interface on the front panel of the Eastron SDM230-NMI-2 meter, check/update the modbus address and baud rate settings match the values in the table below. Change them to the correct values, if necessary:

Setting	Value
Modbus Address	2
Baud Rate	9600

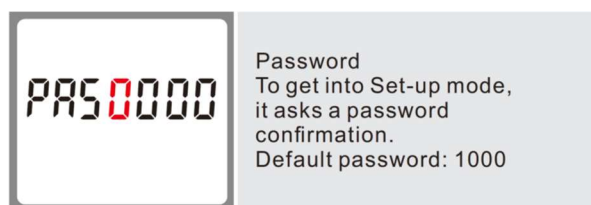
Detailed Step-by-Step Guide

1. Energise the Hub

- Switch the 63A MCB on the lefthand side of the main panel to ON. (After initialisation and self-checking is complete the PV Meter will display measured values and default to display the total kWh.)

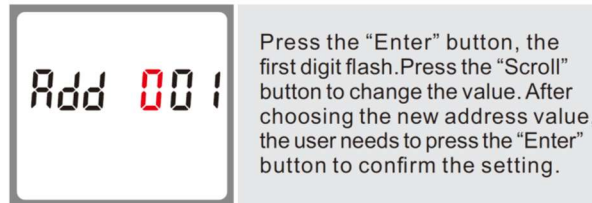
2. Enter Set-up Mode on the PV Meter

- Press and hold the "Enter" button  for 2 seconds;
- Press the "Scroll" button  once to input the password: "1000"; and
- Press and hold the Enter button for 2 seconds to set the value

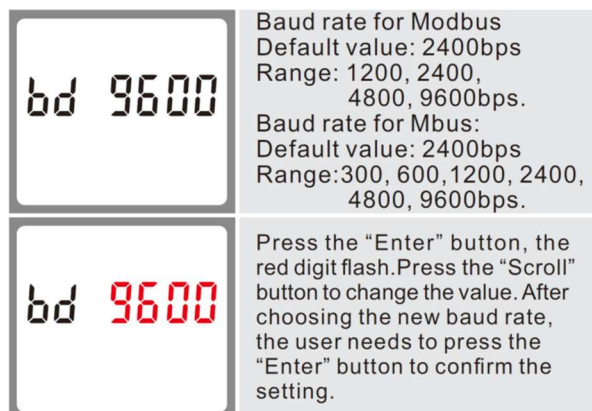


3. Set the PV Meter modbus address to "002"

- Press and hold the Enter button for 2 seconds to edit the value;
- Press the Enter button a further two times to advance to the third digit;
- Press the Scroll button once to change to address 002; and
- Press the Enter button for 2 seconds to set the value.

**4. Set the PV Meter baud rate to "9.6" kbps**

- Press the Scroll button once more to advance to the Baud Rate screen;
- Press and hold the Enter button for 2 seconds to edit the value;
- Press the Scroll button until the baud rate displays "9.6"; and
- Press the Enter button for 2 seconds to set the value.

**5. Set up is complete. Thank you!**