

Eastron Meter instruction

Solar for everybody

Solplanet

Meter Senario

Solplanet inverters with App

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SDM230-Modbus
Single phase



SDM630-Modbus
3-phase
lower than 100A



SDM630MCT
3-phase
higher than 100A



SDM230-Modbus

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Wiring Diagram

L-in/N-in :

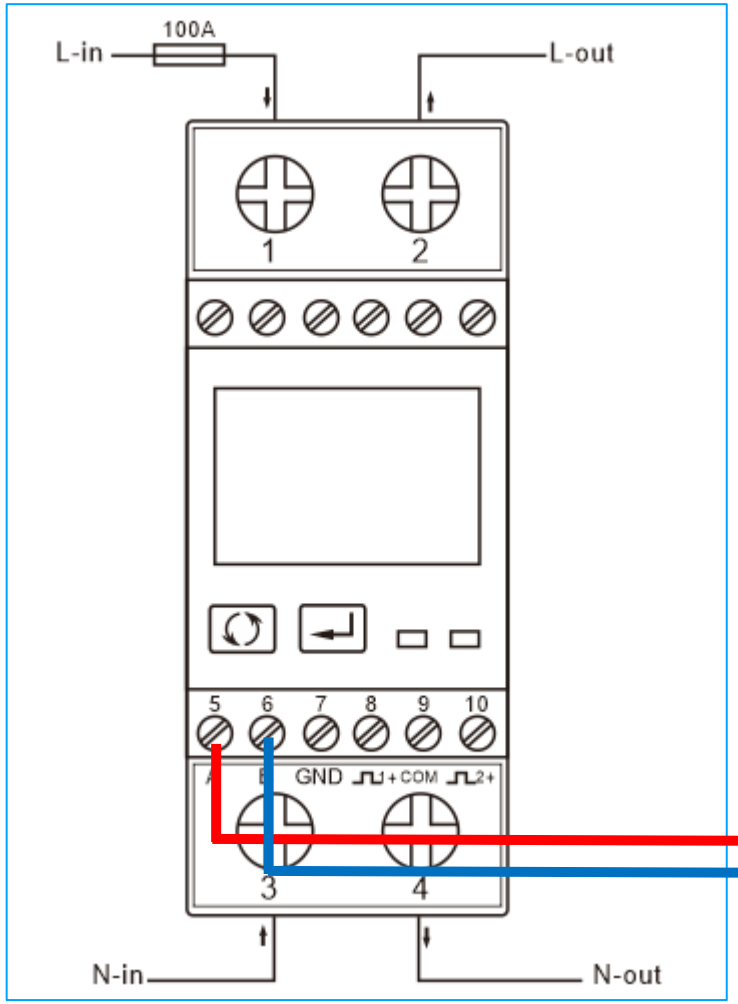
Connect to grid side

L-out/N-out:

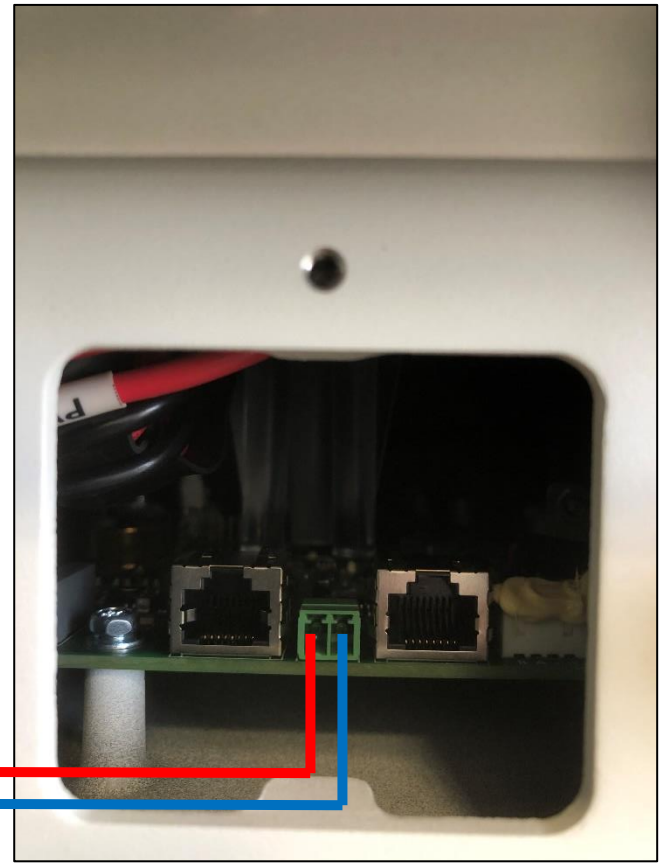
Connect to load side

A/B:

Inverter 2pin terminal



COM1



If there a communication between the inverter and energy meter then please check the settings in the meter:

Modbus address: 001
Baud rate: 9600
Parity: none
Stop bits: 1

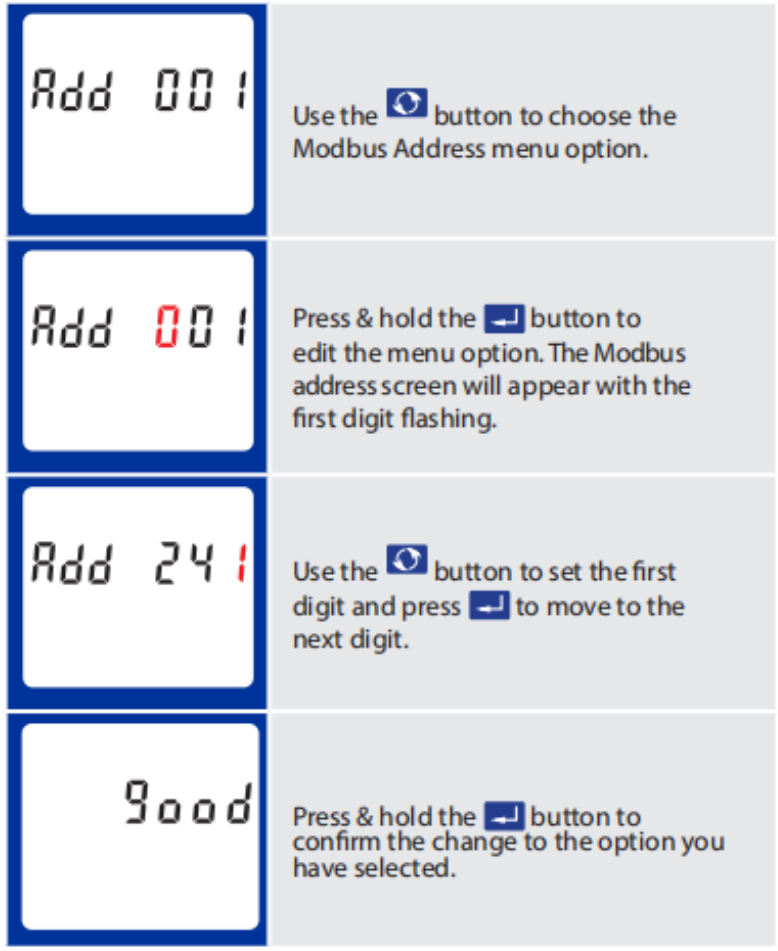
Set-up

To enter set-up mode, press the ↵ button for 3 seconds, until the password screen appears.

	The set-up menu is password-protected so you must enter the correct password (default '1000') before proceeding.
	Use the ⟳ button to change the selected number, use the ↵ button to move right.
	Once you have inputted the correct password hold the ↵ button to confirm your selection.
	If the inputted password is correct, access will be granted to the set up menu. If an incorrect password is inputted an error screen will appear and you will be prompted to try again.

To exit the set-up menu, press & hold ⟳ until the measurement screen is restored.

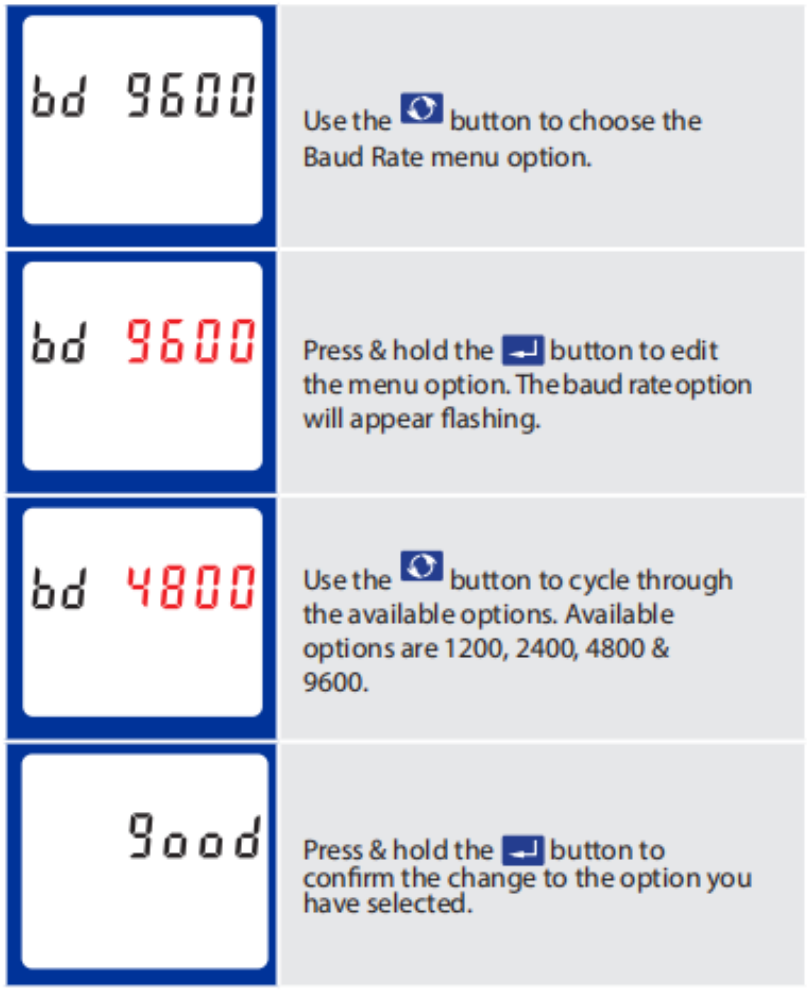
Modbus Address



To exit the set-up menu, press & hold until the measurement screen is restored.

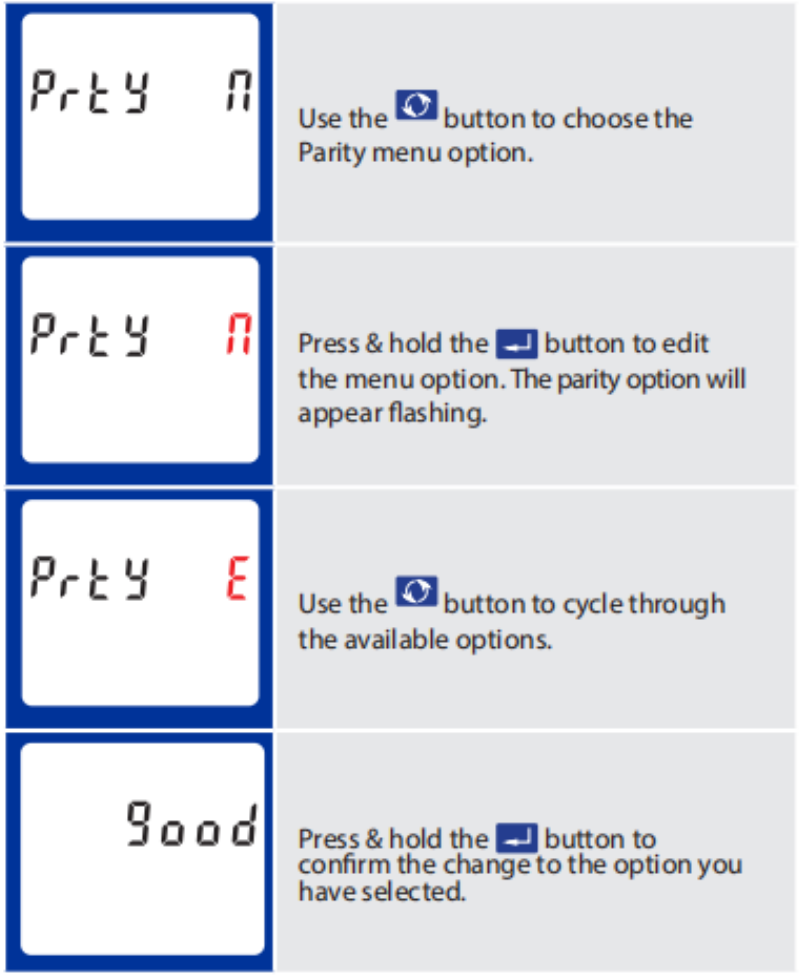
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Baud Rate



To exit the set-up menu, press & hold until the measurement screen is restored.

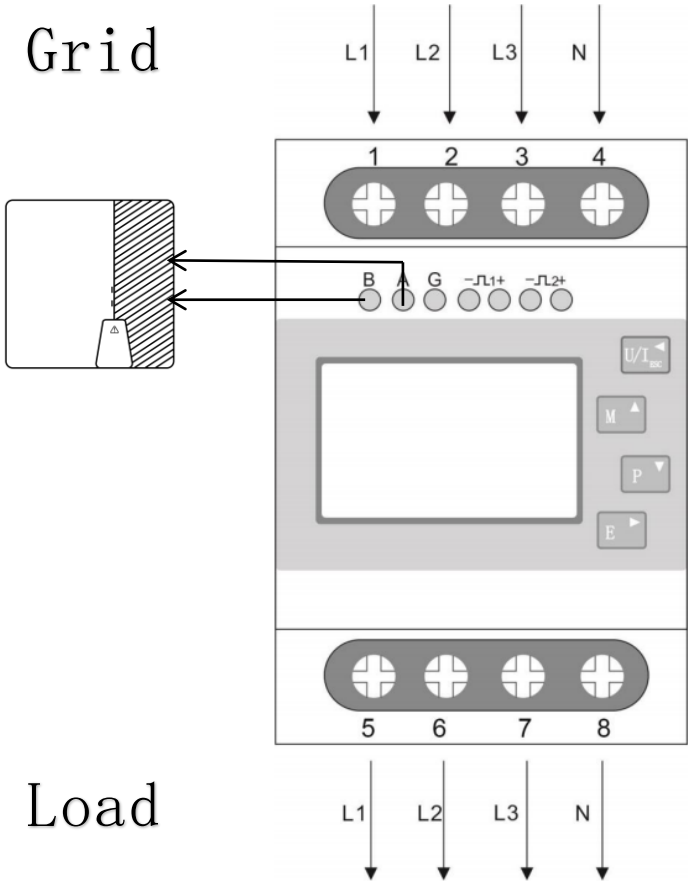
Parity

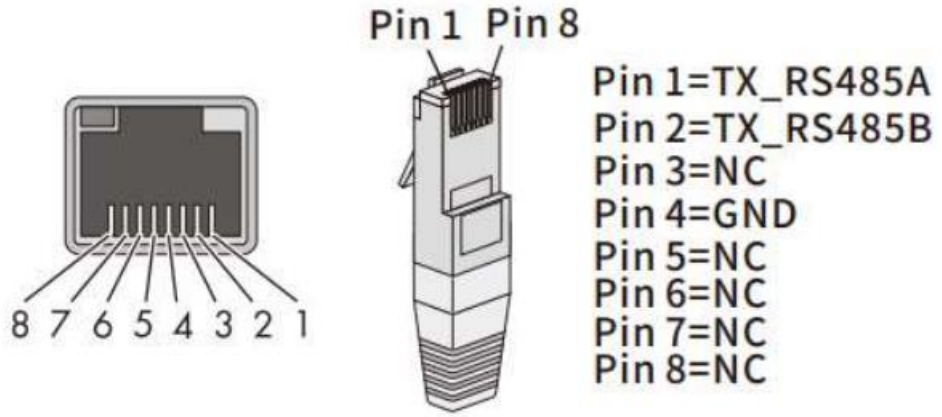

PrtY N
Use the button to choose the Parity menu option.
PrtY N
Press & hold the button to edit the menu option. The parity option will appear flashing.
PrtY E
Use the button to cycle through the available options.
Good
Press & hold the button to confirm the change to the option you have selected.
To exit the set-up menu, press & hold until the measurement screen is restored.

SDM630-Modbus

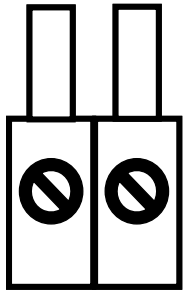
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or



A B

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Buttons Meaning

1		Selects the Voltage and Current display screens In Set-up Mode, this is the “Left” or “Back” button.
2		Select the Frequency and Power factor display screens In Set-up Mode, this is the “Up” button
3		Select the Power display screens In Set-up Mode, this is the “Down” button
4		Select the Energy display screens In Set-up mode, this is the “Enter” or “Right” button

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Set-up

To enter set-up mode, pressing the 

button for 3 seconds, until the password screen appears.



Setting up is password-protected so you must enter the correct password (default '1000') before processing. If an incorrect password is entered, the display will show: Err

Parameters are same as SDM230 :

Modbus address: 001
Baud rate: 9600
Parity: none
Stop bits: 1

Modbus Address

1		From the Set-up menu, use M and P buttons to select the Address ID
2-1		Press E button to enter the selection routine. The current setting will be flashing.
2-2		Use M and P buttons to choose Modbus Address(001 to 247)
On completion of the entry procedure, press E button to confirm the setting and press U/I ESC button to return the main set-up menu.		

Baud Rate

1		From the Set-up menu, use M ▲ and P ▼ buttons to select the Baud Rate option.
2-1		Press E ↵ to enter the selection routine. The current setting will flash.
2-2		Use M ▲ and P ▼ buttons to choose Baud rate 2.4k. 4.8k, 9.6k, 19.2k, 38.4k
On completion of the entry procedure, press E ↵ to confirm the setting and press		

Parity

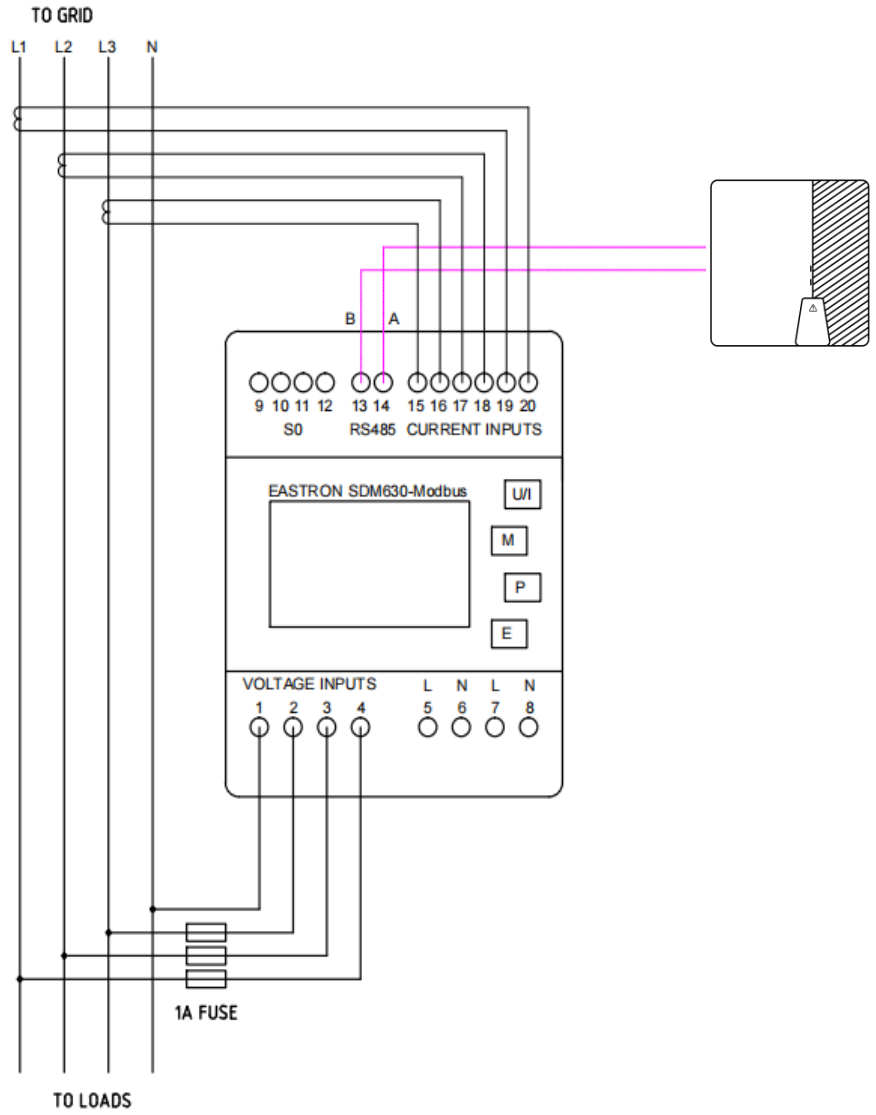
1		From the Set-up menu, use M and P buttons to select the Parity option.
2-1		Press E to enter the selection routine. The current setting will flash.
2-2		Use M and P buttons to choose Parity (EVEN / ODD / NONE)
On Completion of the entry procedure, press E to confirm the setting and press U/I ESC to return to the main set up menu.		

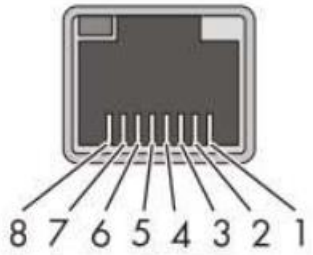
Stop Bit

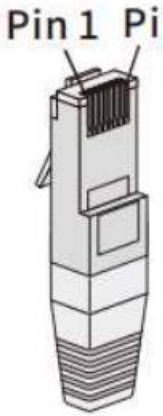
1		From the Set-up menu, use M and P buttons to select the Stop Bit option.
2-1		Press E to enter the selection routine. The current setting will flash.
2-2		Use M and P buttons to choose Stop Bit (2 or 1)
On completion of the entry procedure, press E to confirm the setting and press U/I ESC to return to the main set up menu.		

SDM630MCT

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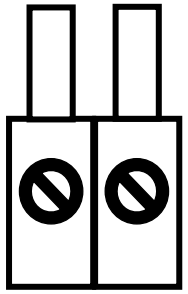






Pin 1=TX_RS485A
Pin 2=TX_RS485B
Pin 3=NC
Pin 4=GND
Pin 5=NC
Pin 6=NC
Pin 7=NC
Pin 8=NC

or



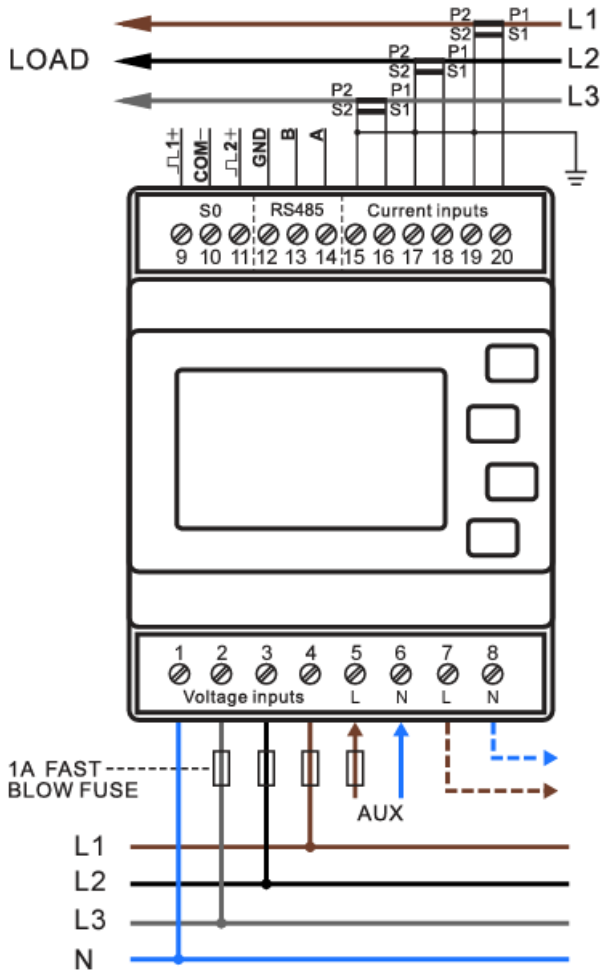
A B

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CT direction:

P1→P2, S1→S2

Parameters Settings are same as SDM630-Modbus :

Modbus address: 001
Baud rate: 9600
Parity: none
Stop bits: 1

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CT

The CT option sets the secondary current (CT2 1A or 5A) of the current transformer (CT) that wires to the meter.

1		From the Set-up menu, use M and P buttons to select the CT option.
2		Secondary CT setting Press E to enter the CT secondary current selection routine.:5A/1A
3		Set CT Ratio value Press E to enter the CT Ratio setting screen. The range is from 0001 to 9999.
Example: If set the ratio to be 100,it means the primary current equals secondary current x100		

Example 1, CT is 200/5,
Step 2 is 5,
Step 3 is 40 (200/5=40)

Example 2, CT is 100/1,
Step 2 is 1,
Step 3 is 100 (100/1=100)

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AISWEI New Energy Technology (Jiangsu) Co., Ltd
No. 198 Xiangyang Road, Suzhou 215011, China
sales@solplanet.net
www.solplanet.net


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