Single Phase Multifunction
Din Rail Meter
SDM230-Modbus Simple User Manual



SD230 Operating Instructions

1. Initialization Display and Button Instructions

1.1 Initialization Display

After the wiring is correctly made, when it is powered on, the meter will display five different screens in order before entering the viewing mode, with the screen displays as follows:

1st Screen	The first screen lights up all display segments.
2nd Screen	The second screen indicates the software version installed in the unit.
3rd Screen	The third screen displays the configured communication address.
4th Screen	The fourth screen displays the configured baud rate.
5th Screen	The fifth screen displays the total active Energy (default display screen).



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1.2 Button Instructions

Note: Power on the unit and enter the viewing mode. In this mode, the page can only be viewed but cannot be edited.

To enter set-up mode, press the "↵" button for 3 seconds.

There are 2 buttons on the panel, with two types of buttons operation: long press and short press:

Long press: press the button for more than 2 seconds.

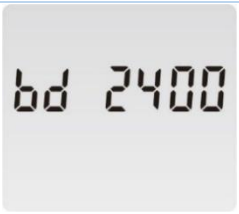
Short press: release within 1 second after pressing the button.

	**In viewing mode:** when short pressing the button, the user can switch the display screen to rotate through the different parameter options.
	In set-up mode: ◆ when short pressing the button, the user can switch the menu of the same level or increase the value. ◆ Long pressing the button to return to the previous menu.
	**In viewing mode:** Long pressing the button to enter the set-up mode.
	In set-up mode: ◆ when short pressing the button, the user can move the cursor (which is the digit flashing in the set-up state). ◆ Long pressing the button to confirm your selection of menu items and save the modification of parameters.

2. Basic Settings

To enter set-up mode, press the "↵" button for 3 seconds.

Page	Display	Descriptions
1		The setting is done correctly, with "good"indicated.

2		The operation fails, with “err” indicated.
3		Password To enter set-up mode, a password input is required. Default password: 1000
4		Communication Address Default communication address: 001. Communication address setting range: 001~247 (Normally default)
5		Baud Rate Default value: 2400bps Baud rate setting range: 1200, 2400, 4800, 9600bps. (9600bps must be selected to set up communication)

Din Rail Multifunction Smart Meter for Single and Three Phase Electrical Systems

SDM630-Modbus Simple User Manual



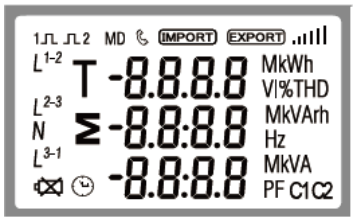
SD630 Operating Instructions

1. Initialization Display and Button Instructions

1.1 Initialization Display

After the wiring is correctly made, when it is powered on, the meter will display three different screens in order before entering the viewing mode, with the screen displays as follows:

1st Screen	The first screen lights up all display segments.
2nd Screen	The second screen indicates the software version installed in the unit.
3rd Screen	The third screen indicates the result of the self-test.



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1.2 Button Instructions

Note: Power on the unit and enter the viewing mode. In this mode, the page can only be viewed and cannot be edited.

To enter set-up mode, press the " E " button for 3 seconds.

There are 4 buttons on the panel, with two types of button operation: long press and short press:

Long press: press the button for more than 2 seconds.

Short press: release within 1 second after pressing the button.

U/I ESC	**In viewing mode:** View the Voltage/Current
	In set-up mode: This is the "Left" or "Back" button.

	**In viewing mode:** View the Frequency/Power Factor
	In set-up mode: This is the "Up" button (to increase value).
	**In viewing mode:** View the Power.
	In set-up mode: This is the "Down" button (to decrease value).
	**In viewing mode:** View the Energy.
	In set-up mode: ◆ This is the "Right" button (to move cursor). ◆ Long press the button to confirm the settings.

2. Basic Settings

To enter set-up mode, press the "  " button for 3 seconds.

Page	Display	Descriptions
1		The setting is done correctly, with "good"indicated.

		The operation fails, with “err” indicated.
2		Password： To enter set-up mode, a password input is required. Default password: 1000
3		Communication Address： Default communication address: 001. Communication address setting range: 001~247 (Normally default)
4		Baud Rate： Default value: 2400bps Baud rate setting range: 2.4k, 4.8k, 9.6k,19.2k, 38.4kbps. (9600bps must be selected to set up communication)
5		Grid System Default: 3P4L Type: 1P2, 3P3, 3P4