

EM 760 ledDigital Tube Keyboard User Manual

1. Keyboard function

1.1 ledKeyboard structure

The LED keyboard consists of two rows of five-digit LED digital tube displays , nine operation buttons, and ten status and unit indicator lights. The user can use the keyboard to set parameters, monitor status, start and stop operation, and query faults of the inverter .

1.2 ledKeyboard buttons and indicator light functions

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button	RUN	When keyboard control is effective, press this key to start the inverter
	STOP/RESET	When keyboard control is effective, press this key to stop the inverter. In case of fault state, return to the set state from the fault state
	ENTER	Used in the first level menu to enter the next level menu Store the currently modified function code parameters or line break in the second level menu
	ESC	the modification of the current parameter when operating the second line in the secondary menu The cursor jumps to the second line in the secondary menu When operating the first line in the secondary menu, jump back to the zero-level menu Jump back to the zero-level menu in the first-level menu Enter the first level menu from the zero level menu
	^ (Up key)	Move the mode option up in the first level menu Add the parameter value currently displayed by the cursor in the secondary menu
	v (Down key)	Move the mode option down in the first level menu Reduce the parameter currently displayed by the cursor in the secondary menu
	>> (right shift key)	Sequentially switch the monitoring parameters of the first row in the zero-level menu Modify the current cursor position in the secondary menu
	<< (left shift key)	Sequentially switch the monitoring parameters of the second row in the zero-level menu Modify the current cursor position in the secondary menu
	MK	The value of function code F12.00 can be selected as no function, forward jog, reverse jog start, forward/reverse switching, fast stop, free stop.
Status indicator	red	Lights up when the inverter is in fault state
	green	The inverter is on when it is running, flashes when it is stopping, and goes out after stopping.

	Positive and negative setting indicator light	It is on when the current monitoring or display of certain specific frequencies is negative. It is on when the reverse operation is in progress.
	Communication control indicator	F00.02 is on when keyboard control is selected, off when terminal control is selected, and flashes when communication control is selected.
Unit indicator light	Frequency unit indicator	Lights up when the currently displayed parameter is frequency type.
	Current unit indicator	Lights up when the current display parameter is current type.
	Voltage unit indicator	Lights up when the current displayed parameter is voltage type.

2. Digital tube display and keyboard operation

2.1 Monitoring interface

The LED keyboard menu is divided into monitoring levels from low to high (L e v e l 0), Menu mode selection level (L e v e l 1), Function code selection level (first line), parameter value level (second line). There are three parameter display modes : full menu mode (--A--)To display all Function code; User-defined mode (--U--)used to display only the function code selected by the user through the F11 group; Non-factory value mode (--C--) , Used to display only function codes that are different from the factory values.

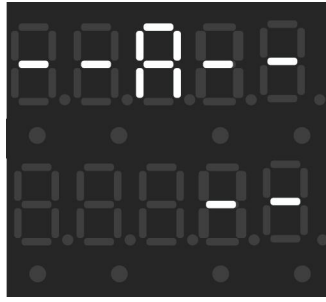
The keyboard will power on and display the zero-level menu as shown below:



The first line shows the set frequency, the second line shows 0 ; Press the left shift key to switch the parameters displayed in the first line, and press the right shift key to switch the parameters displayed in the second line. Parameters displayed. (Output frequency, set frequency, output current, output voltage, DC bus voltage) . PressESC enters the first level menu.

2.2 First level menu

The first level menu is shown below:



Press the up and down keys to switch modes. There are three modes to choose from: full menu mode (--A --) used to display all function codes; User-defined mode (--U--) is used to display only the function codes selected by the user through the F11 group; non-factory value mode (--C--) is used to display only the function codes different from the factory values. ESC jumps back to the zero-level menu. Press ENTER enters the corresponding secondary menu interface.

2.3 Secondary menu

The secondary menu is shown below:



The first line displays the function code, and the second line displays the corresponding parameter of the function code. The cursor flashes on the first line, indicating that the first line is currently being operated. Data; The cursor flashes on the second line, indicating that the data on the second line is currently being operated. If the parameter can be modified, the cursor will flash, and the parameter cannot be modified. The cursor will not blink. When modifying the function code in U mode and C mode, the cursor cannot be moved left or right.

Press the left shift key to move the cursor to the left. When the cursor is at the last position, press the left shift key to jump to the first position. Press the right shift key to move the cursor to the right. When the cursor is at the first position, press the right shift key to jump to the last position. Press the up and down keys to modify the parameter currently displayed by the cursor;

When operating the first line, press ENTER to enter a new line, the cursor moves to the second line and flashes;

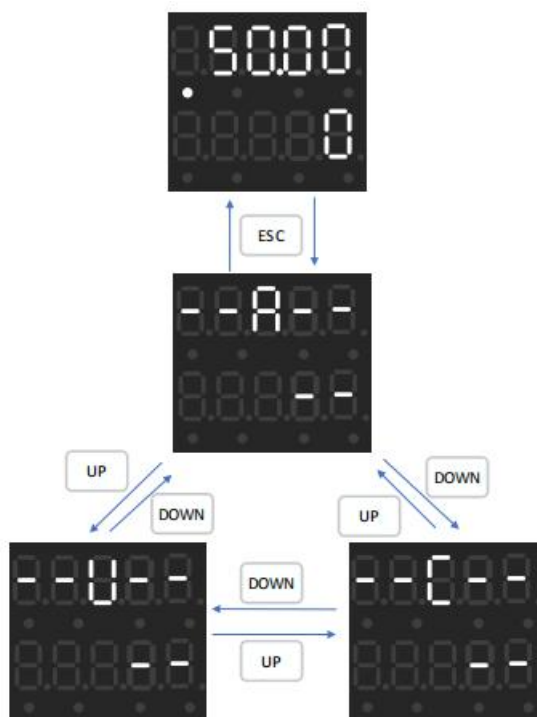
When operating the second line, press the ENTER key to save the current parameter value, move the cursor to the first line, and jump to the next function code; When operating the second line, if the parameter is modified, press ESC button, parameter restoration;

When operating the second line, if the parameter has not been modified, the cursor moves to the first line and flashes. When operating the first line, press ESC jumps back to the first level menu.

3. Operation method

3.1 Mode Switching

After initialization, enter the zero-level menu, which mainly displays the current status parameters of the inverter. Press ESC Press the button to enter the first level menu , mode selection interface, and press the up and down keys to switch modes. When switching modes, the specific operation process is as shown in the figure.



3.2 View and modify function codes

The function code can be viewed and modified in three modes: full menu mode (A), user-defined mode (U) and non-factory value mode. Mode (C). The F11 group function code setting is to set the function code that the user needs to view. The non-factory value mode is used to only display the factory value. Function codes with different values.

In full menu mode, press the ENTER key to enter the function code modification interface. In the function code modification interface, press UP key, DOWN key The function code can be switched by pressing the key or the left and right shift keys. Each group of function code parameters here is sorted in ascending order. For example, F00 Group In the function code, keep pressing UP The key will be 0 Jump to the maximum value 29 , press again UP If you press the key, it will jump back to 0 ; for a single parameter, it will jump one by one according to the set value and will not move forward. F00.16 The parameters are set to 80 , the specific operation process is as follows

As shown:

