FRECON

FR30 LCDKeyboard guidance

Directory

一. Key presses/display instructions

The keyboard size is the same as the standard digital tube keyboard, so the keyboard is compatible with the FR500 keyboard model。
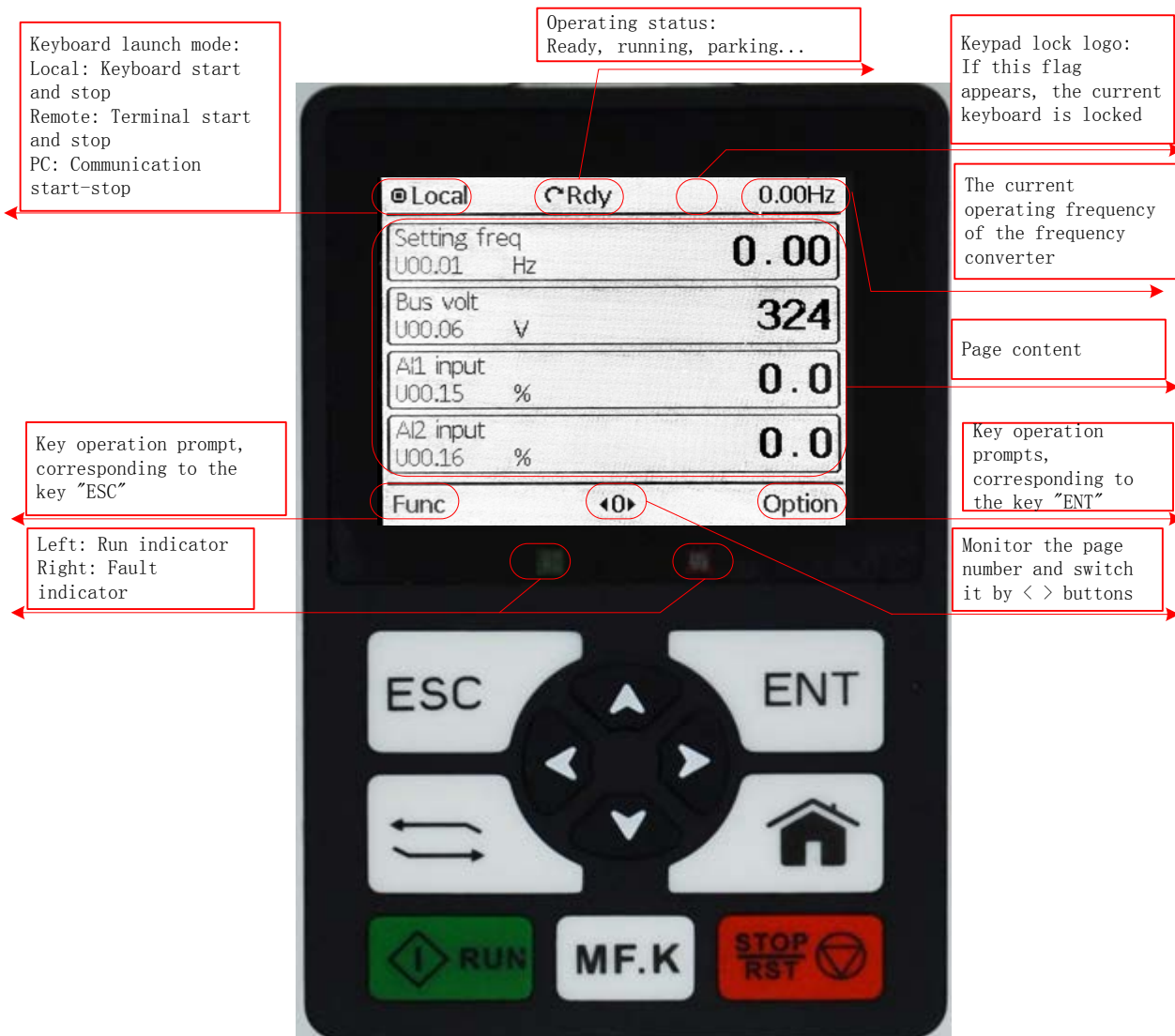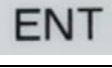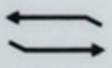
Keyboard launch mode:
Local: Keyboard start and stop
Remote: Terminal start and stop
PC: Communication start-stop

Operating status:
Ready, running, parking...

Keypad lock logo:
If this flag appears, the current keyboard is locked

The current operating frequency of the frequency converter

Page content

Key operation prompt, corresponding to the key "ESC"

Key operation prompts, corresponding to the key "ENT"

Left: Run indicator
Right: Fault indicator

Monitor the page number and switch it by ⟨ ⟩ buttons

Figure 1-1 keyboard appearance and display description

1.1 Key function introduction

keystroke	name	description
ESC	Return key(ESC)	Back key/Home to enter the parameter menu button
ENT	Confirm key(ENT)	Enter thenext level menu / parameter modification confirmation / enter the LCD menu interface
(shortcut icon)	Shortcut Key(QUICK)	When on the home page, you can quickly enter the shortcut menu interface
(home icon)	Home Key(HOME)	Used to quickly return to the home page
MF.K	Multifunction keys(MF.K)	Used with function code F16.00, the default is jog button
(up arrow)	Up arrow(UP)	Option increment / parameter modification
(down arrow)	Down arrow(DOWN)	Option decrement/parameter modification
(left arrow)	Left arrow(<)	Parameter shift
(right arrow)	Right arrow(>)	Parameter shift
RUN	Run key(RUN)	Used to start the keyboard when the keyboard starts and stops.
STOP/RST	Stop key(STOP)	1. When the keyboard starts and stops, it is used for keyboard stopping 2. In case of failure, it is used for fault reset
RUN + STOP/RST	Key combinations1	When the run key and the stop button are pressed at the same time, the drive stops freely
ESC + ENT	Key combinations2	When the ESC and ENT keys are pressed at the same time, the user password and keypad lock functions take effect immediately (not 0 in the presence of user password and F16.02)
ESC + (right arrow)	Key combinations2	When the keyboard is locked, press the ESC and > keys at the same time to unlock the keyboard

二. Introduction to the keyboard menu structure

This section is mainly used to introduce the structure of the menu, please see Chapter 3 for detailed instructions.
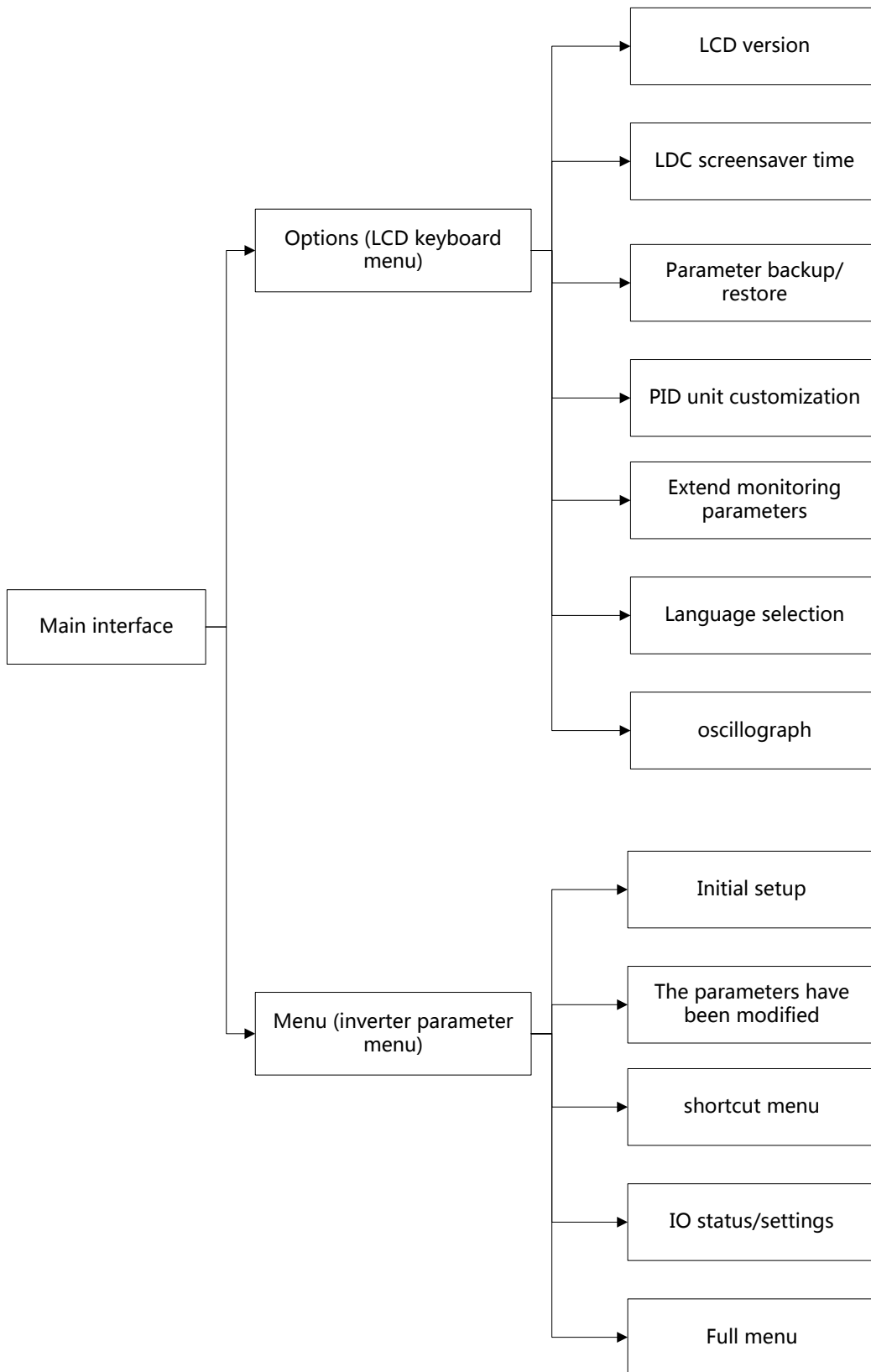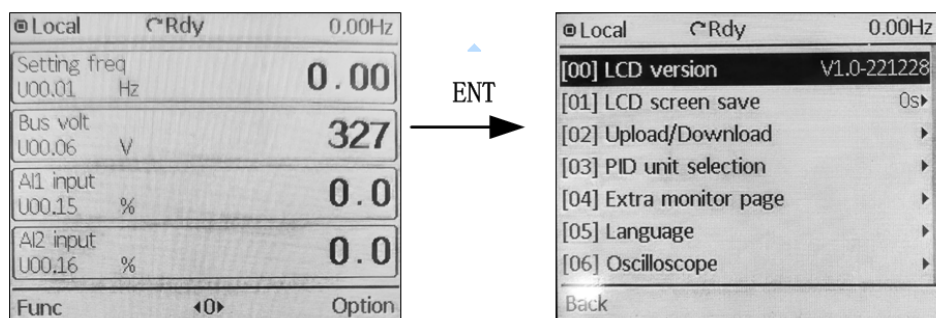

Figure 2-1 Keyboard menu structure

2.1 LCD keyboard menu

▶【00】**LCD version**

Displays the current LCD software version and the version upgrade time.

▶【01】**LCD screensaver time**

If the time is not 0, there is no key operation and the backlight turns off after the set time is reached.

When the screen is off, press any key to resume.

▶【02】**Parameter backup**

It can be used to backup/restore inverter parameters, up to 3 copies can be backed up, detailed operation steps see the next chapter.

▶【03】**PID unit selection**

Available for custom PID units.

▶【04】**Extend monitoring parameters**

The default monitoring parameters of the home page are 3 pages, of which the parameters on page 0 are determined by the F16 group, and 1~2 are set in "[04] Extended Monitoring Parameters", which can be extended to up to 6 pages.详细的操作 Step to see the next chapter.
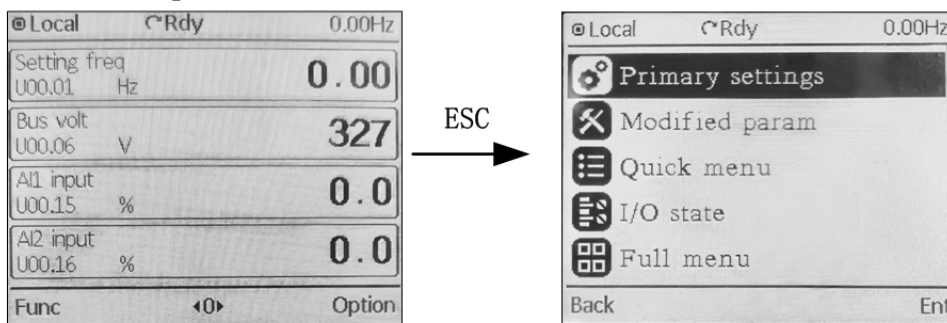
▶【05】**Language selection**

It can be used to set the language of LCD display, built-in 3 language selections (Chinese/English/Turkish). For detailed steps, see the next section.

▶【06】**oscillograph**

It can be used to monitor the change of some parameter curves in group U. For detailed steps, see the next section.

2.2 Inverter parameter menu

▶**Initial setup**

Basic setup menu before the drive starts. See the next section for more information.

▶**The parameters have been modified**

It is used to display the function code that is different from the factory value, and there is a waiting time when entering. (Older versions of Control do not support this feature)

▶**shortcut menu**

Display the user menu, users can add commonly used function codes in the shortcut menu interface (Fxx.xx parameter

interface), and then press the button on the home page to enter the shortcut menu interface.

▶**I/O Status & Settings**

This interface can be used to display the status of the current I/O port and the corresponding IO port function settings.
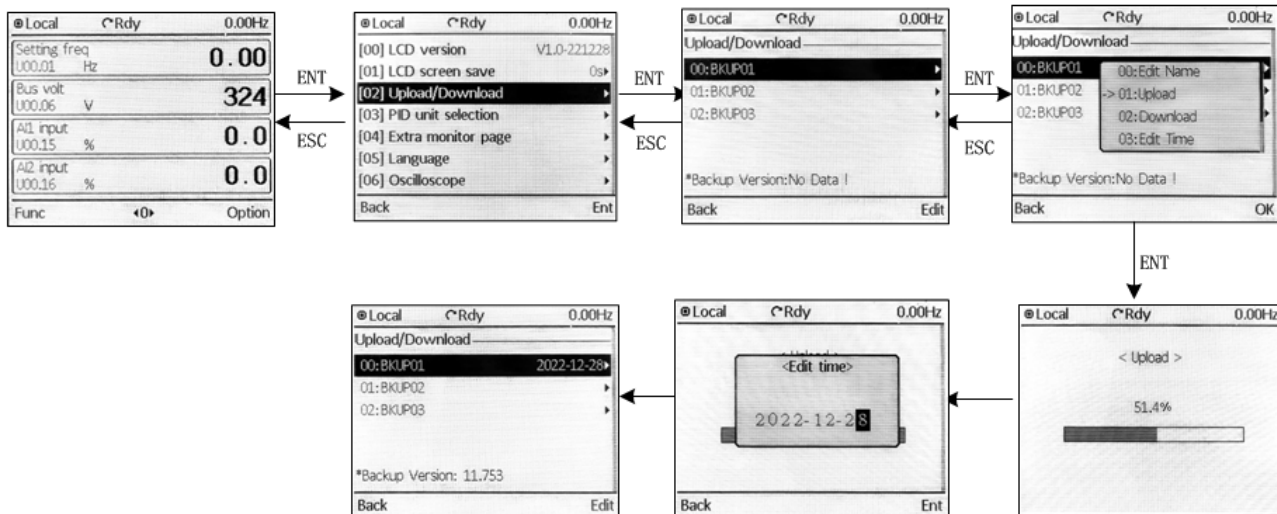
▶**Full menu**

Displays all function codes of the frequency converter
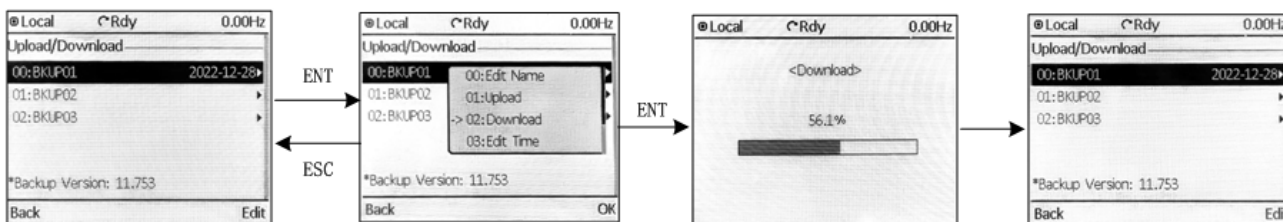
三. Operating instructions

This section is for detailed instructions.
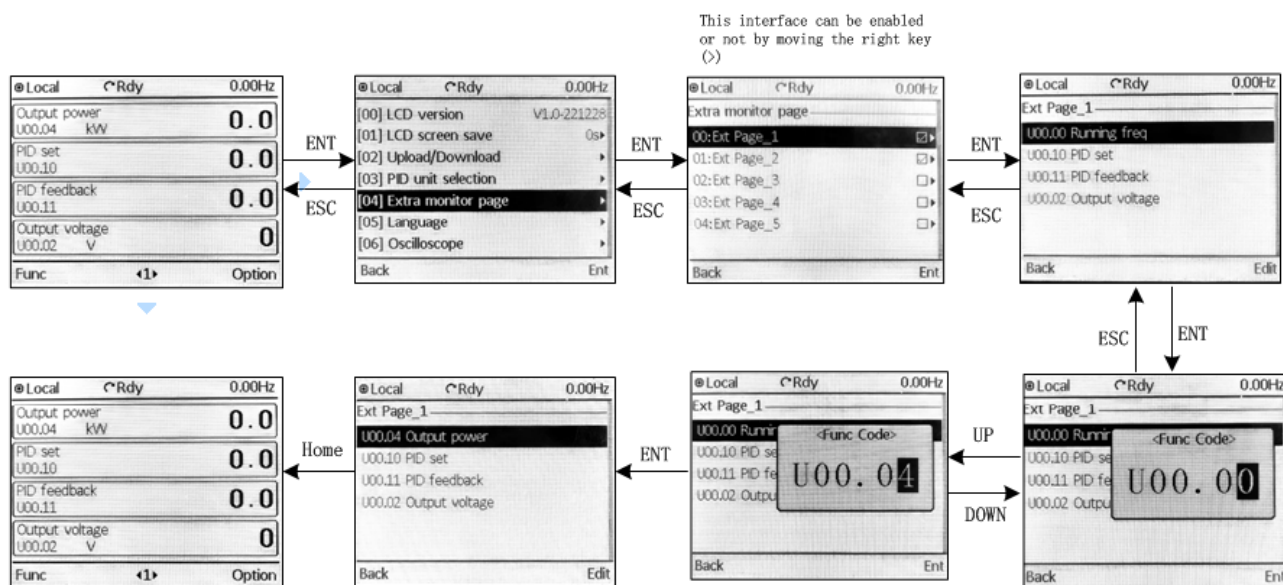
3.1 Parameter backup/restore

▶Parameter backup:

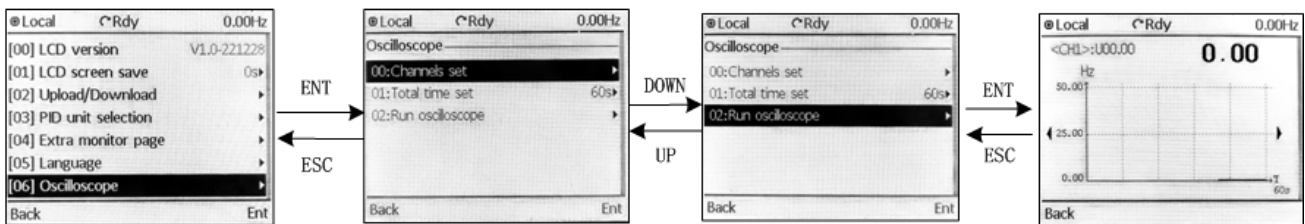▶Parameter recovery:

3.2 Extended monitoring parameter settings

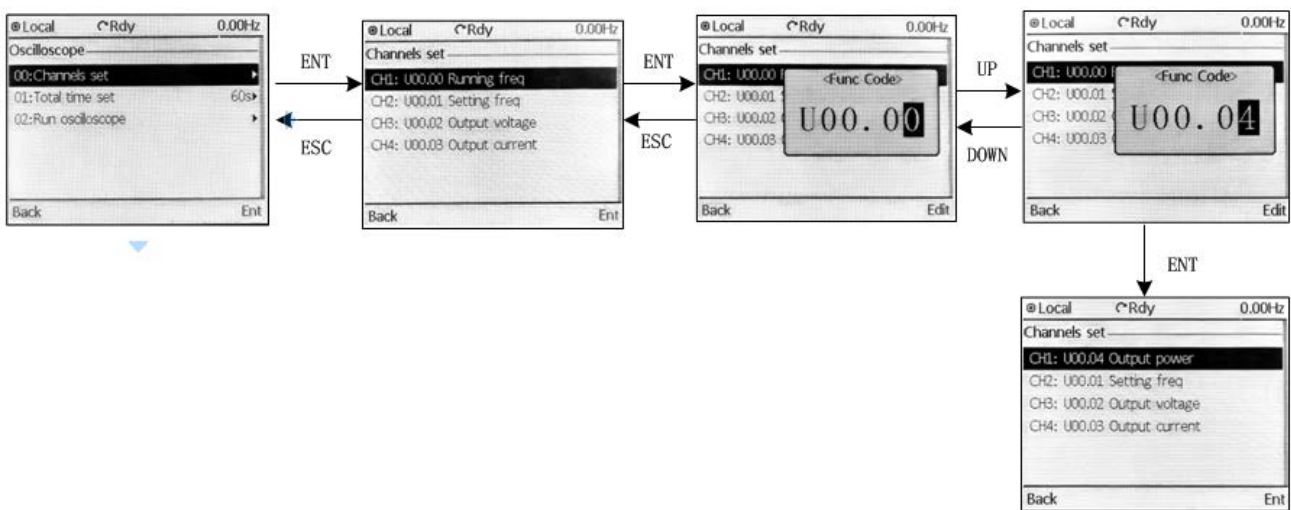Change the first item "U00.00" of the monitoringpage "1" to"U00.04":
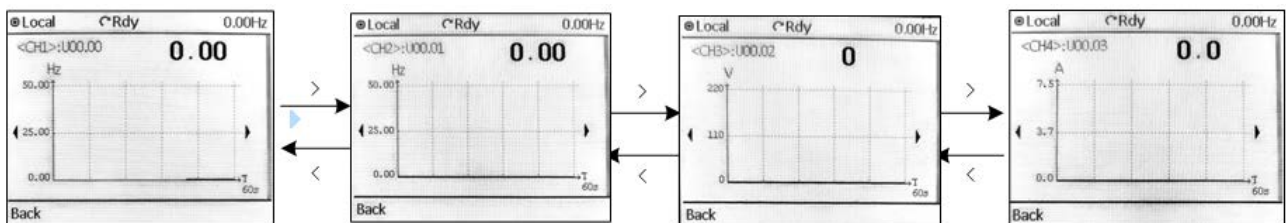
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3.3 oscillograph

▶Run the oscilloscope

▶Oscilloscope channel settings

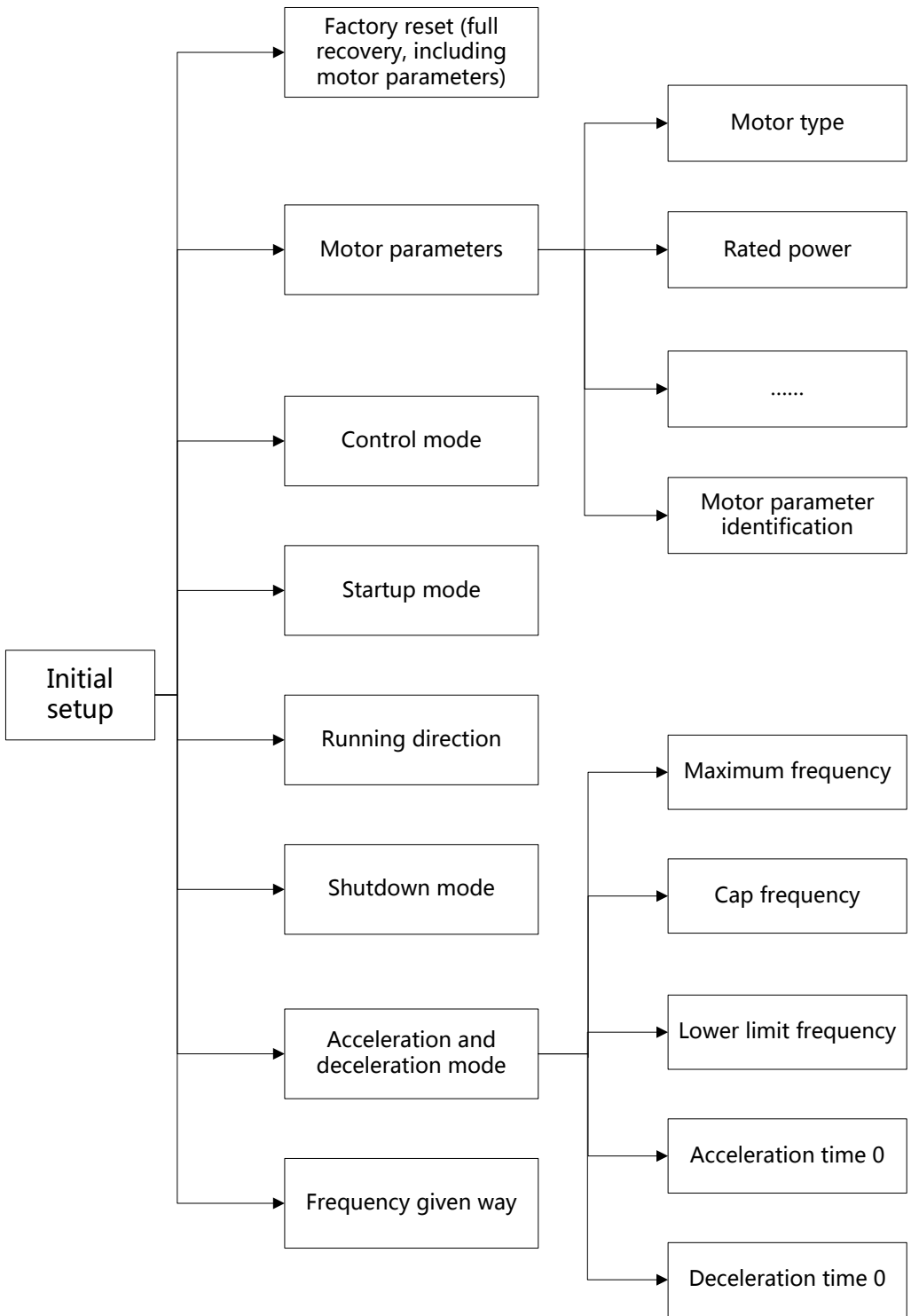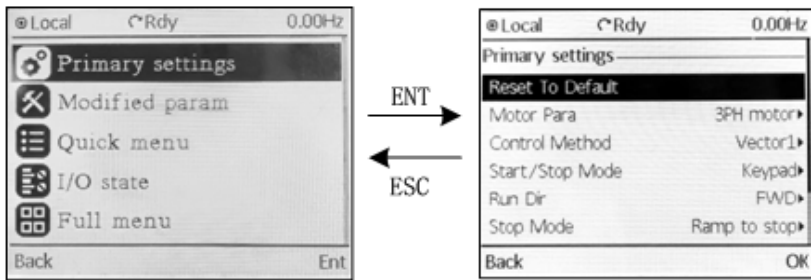Eg：Change Channel 1 (CH1: U00.00) to (CH1:U00.04)

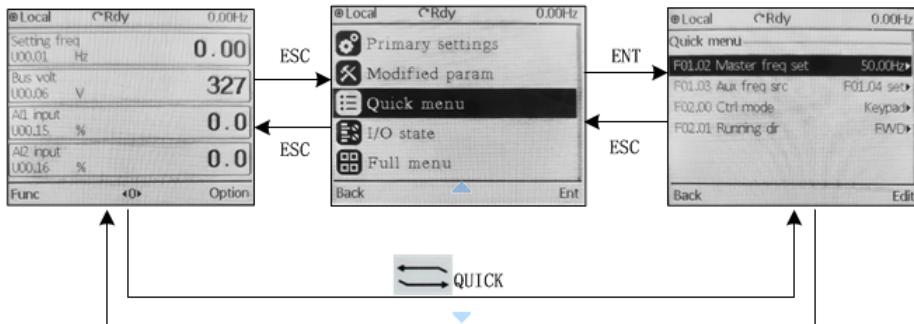▶Oscilloscope channel switching display

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3.4 Initial setup

Depending on how the frequency is given, the options after "Frequency Given By" will be different.

3.5shortcut menu

Shortcut menus are intended primarily for easy use in setting common parameters.
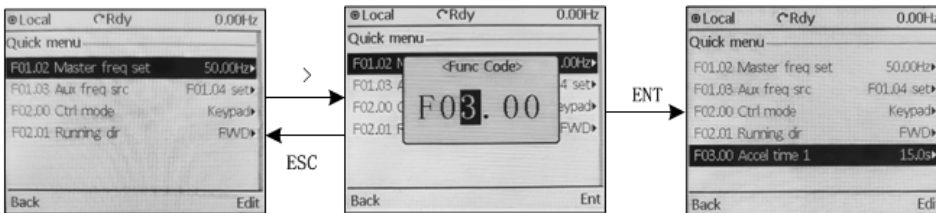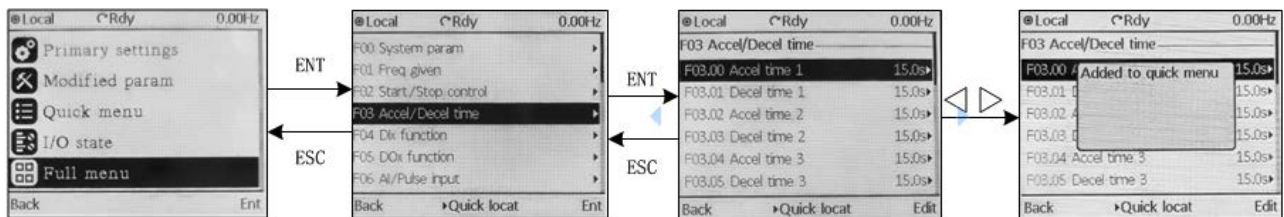
▶Enter the shortcut menu interface

▶Add shortcut parameters

1）Method 1: Press the right-shift key (>) on the shortcut menu interface to add

2) Method 2: Press the right shift key and the left shift key (<>) at the same time in the Fxx.xx interface to add

▶Delete a shortcut parameter

On the shortcut menu interface, press the left and right shift keys (<>) at the same time to delete

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3.6 Set parameters

▶Set F01.02 to 40.00Hz

▶Parameter quick positioning: Set F15.02 to 3