

# Copy Unit User Manual

4KA72X339W41 Ver:05 2016.10

## 1. Model Name and Specification

### 1.1 Model name and function description

Model Name: JN5-CU

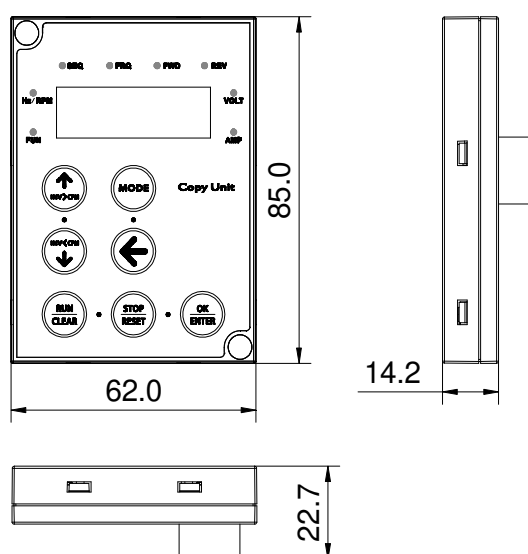
Function:

#### ① Copy Function:

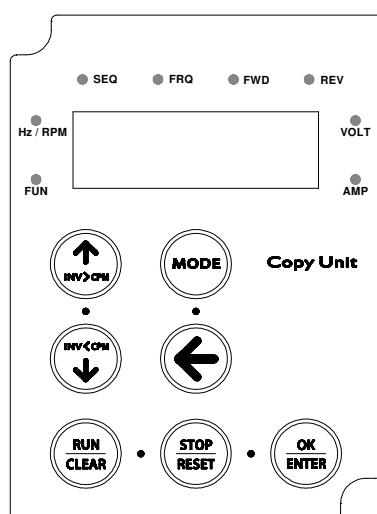
When plenty of same model inverters need to be set as the same parameters, user can set one inverter first, then connect to the copy unit and download the parameter setting from inverter. After that, user can use copy unit to upload the setting to the other inverters. By repeating the procedure, you can have all inverter in same setting as user requirement.

② Keypad Function: Can display status, more detail please refer to the manual.

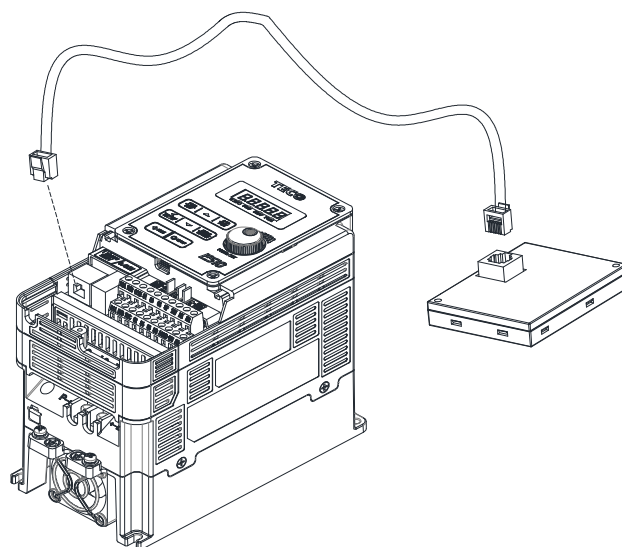
### 1.2 Dimension (Unit: mm)



## 2. Keypad Description and Installation Instruction



Keypad Description



Installation Instruction  
(E510-201 as an example)

## 2.1 Copy unit function

Button	Description
<i>INV→CPM</i>	Download setting from Inverter to Copy Unit
<i>INV←CPM</i>	Upload setting from Copy Unit to Inverter
<i>CLEAR</i>	Clear
<i>OK</i>	Confirm
↑↓	Value Adjusting
←	Cancel
RESET	Return

## 2.2 Button Function

Button	Description
↑↓	Value Adjusting
RUN	Inverter Run
MODE	Display Mode Switching
←	Shift
STOP/ RESET	1. Inverter Stop 2. Reset inverter when manual reset error occur 3. Switch to copy function
ENTER	Value Reading or Adjusting

## 3. Copy Unit Operating Description



: When LED digits are blinking, this means stand by status.

### 3.1 Inverter Preset

Please make the parameters were set as follows before connecting with the copy unit:

Parameter	Value
Serial Comm Adr	1
RTU/ASCII	RTU
Baud Rate Setting	19200
Stop Bit Selection	1Bit
Parity Selection	No
Data length Selection	8Bit

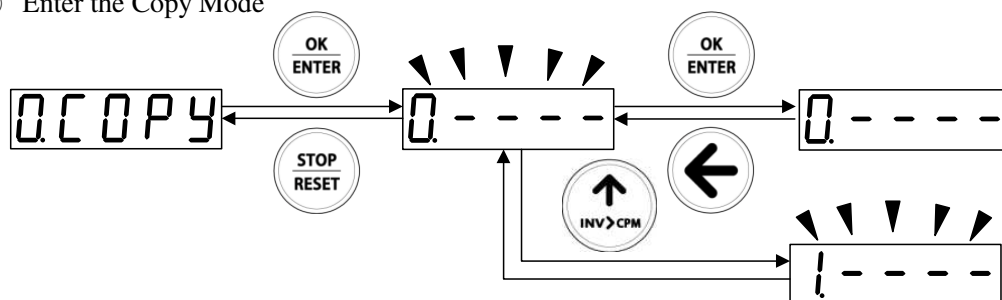
★ Attention : 1.If user connect to the copy unit before the presetting, the copy unit will show err0.

### 3.2Function Detail

★Attention : 1.Make sure the inverter is in stop status before enter copy mode.

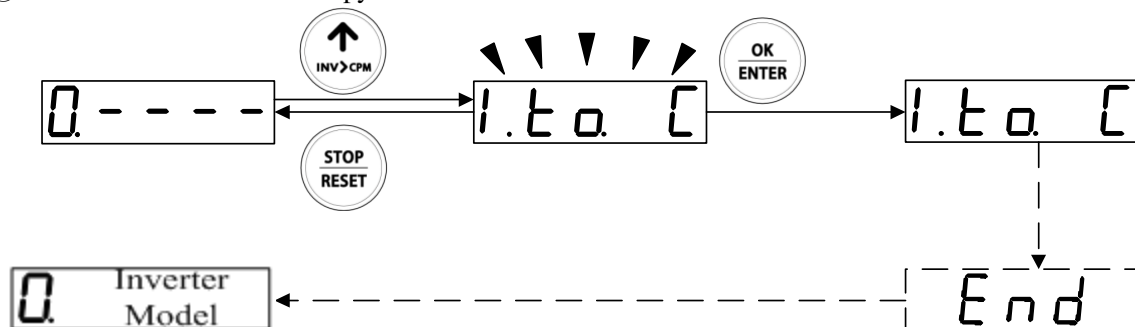
2. Please follow installation figure to connect the copy unit and the inverter.

## ① Enter the Copy Mode

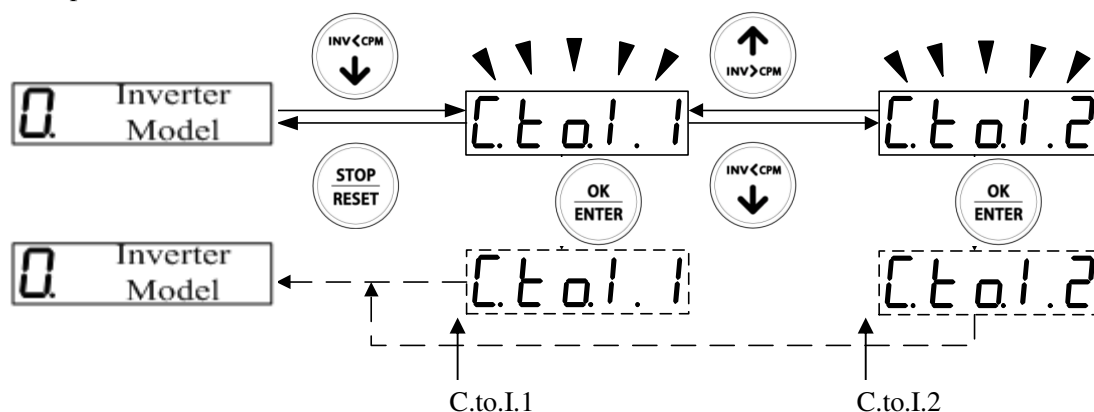


This copy unit can save 4 set of parameters, the order is 0 to 3. The fourth set can only be seen by device which contains built-in PLC. This set can only store PLC program.

## ② Download Parameter to Copy Unit



## ③ Upload Parameter to Inverter



Two choices when uploading parameters to inverter:

C.to.I.1 — Including copy motor parameters    C.to.I.2 — Not including copy motor parameter

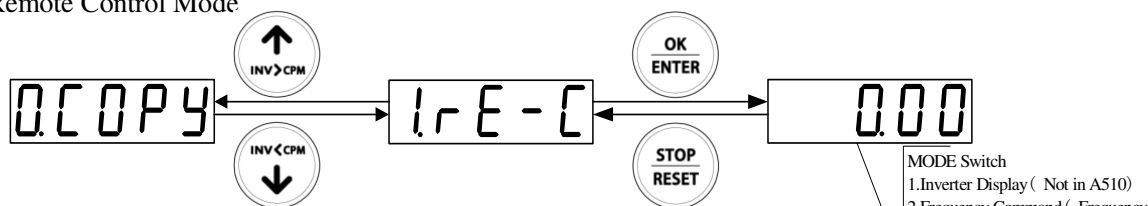
★Attention :

1. L510 series only support C.to.I.2 °
2. When 510 series copy parameters between same model inverters, both C.to.I.1 and C.to.I.2 are available.
3. When 510 series copy parameters between different model inverter, only C.to.I.2 is available.

## ④ Delete the parameters in copy unit.

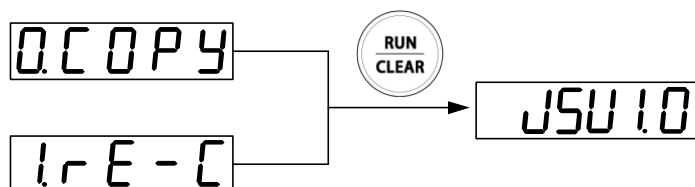


## ⑤ Remote Control Mode

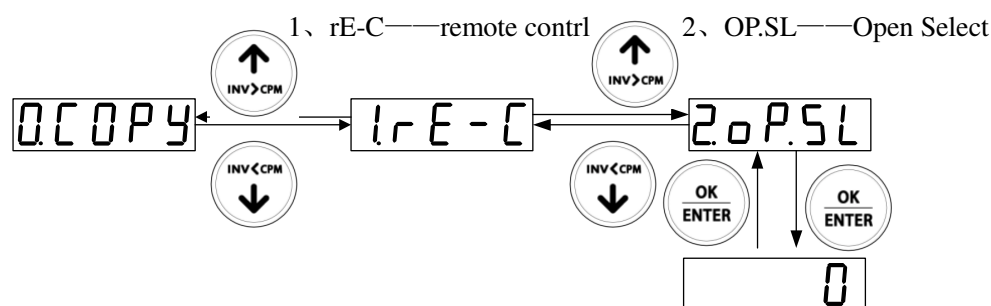


Note : only L510(s) can use Remote Control Mode

## ⑥ Software version



## ⑦ Interface selection



0: After power on , it directly went into the copy function.

1: After power on , it directly went into remote ctrl.

Note: 1、 Available for above V1.01 . 2、 The function of the V1.01 version only supports E510, L510, A510.

## 4. Trouble Diagnosis and Shooting

Error	Description	Cause	Corrective action
Err0	Communication error	No reply after JN5-CU send message	Check the cable
Err1	No parameter in this set	No parameter to upload to inverter	Save parameter in copy unit.
Err2	Parameters calibration error	Parameter was changed by interference	Upload data to JN5-CU again
Err3	Read or write parameter incorrectly	Parameter check incorrectly after written or read	Operation again or upgrade firmware
Err4	Parameter cannot be written	Illegal to write	Operation again or upgrade firmware
Err5	Parameter cannot be read	Illegal to read	Operation again or upgrade firmware
EPR	EEPROM error	EEPROM damaged	Replace EEPROM