**32F Frequency Converter** Instruction

 wiring diagram：

bare size：long135mm\*wide85mm\*high86mm

 size：long139mm\*wide86mm\*high90mm



Parameter specification：

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| parameter | Parameter specification | Parameter rang | default | For note |
| F0 | Working frequency | 0～400Hz | 50Hz |  |
| F1 | Working frequency source | 0，Panel keyboard1, external potentiometer 2, panel potentiometer | 2 |  |
| F2 | Working frequency source | 0，Panel keyboard1，external port | 0 |  |
| F3 | Stop way | 0，slow stop1，braking stop2，Inertia stop | 0 |   |
| F4 | Maximum operating frequency | 0～400Hz | 65Hz |  |
| F5 | Lowest operating frequency | 0～400Hz | 5Hz |  |
| F6 | Increase speed ofFrequency | 1～500Hz/S | 20Hz/S |  |
| F7 | Decline speed ofFrequency | 1～500Hz/S | 20Hz/S |  |
| F8 | Braking time | 0-3S | 0.3S |  |
| F9 | Braking coefficient | 0～60％ | 20％ |  |
| F10 | Lowest output voltage | 0～80 V | 10V |  |
| F11 | Middle voltage | 0～220 V | 65 V |  |
| F12 | highest output voltage | 0～220 V | 220V |  |
| F13 | Lowest frequency | 0～400Hz | 3Hz |  |
| F14 | Middle frequency | 0～400Hz | 15Hz |  |
| F15 | Highest frequency | 0～400Hz | 50Hz |  |
| F16 |  | 0 | Mi1：Forward/Stop; Mi2: Reverse/Stop | 0 |  |
| Mi1 and Mi2 function set | 1 | Mi1：Run/Stop; Mi2: Reverse/ Forward |
|  | 2 | Mi1,Mi2,Mi3:three-wire system |
|  | 3 | Mi1：Forward/Stop |
| F17 | Mi1 Function Set | 0: non-function1：stop when off2：stop when on3：Abnormal clear | 0 |  |
| F18 | Mi2 Fun Set | 0：non1：Stop when off2：Stop when on3：Abnormal clear4：Speed BIT05：Speed BIT16：Speed BIT27：Speed BIT38：forward move9：reversal move | 00 | Mi5 with MO Function alternative, can’t use meanwhile |
| F19 | Mi3 Fun Set |
| F20 | Mi4 Fun Set |
| F21 | Mi5 Fun Set |
| F22 | Speed 1 | F5～F4 | 0 |  |
| F23 | Speed 2 | F5～F4 | 0 |  |
| F24 | Speed 3 | F5～F4 | 0 |  |
| F25 | Speed 4 | F5～F4 | 0 |  |
| F26 | Speed 5 | F5～F4 | 0 |  |
| F27 | Speed 6 | F5～F4 | 0 |  |
| F28 | Speed 7 | F5～F4 | 0 |  |
| F29 | Speed 8 | F5～F4 | 0 |  |
| F30 | Speed 9 | F5～F4 | 0 |  |
| F31 | Speed 10 | F5～F4 | 0 |  |
| F32 | Speed 11 | F5～F4 | 0 |  |
| F33 | Speed 12 | F5～F4 | 0 |  |
| F34 | Speed 13 | F5～F4 | 0 |  |
| F35 | Speed 14 | F5～F4 | 0 |  |
| F36 | Speed 15 | F5～F4 | 0 |  |
| F37 | Reach the frequency  | F5～F4 | 0 |  |
| F38 | Mo function set | 0：Run H，Stop L1: Equal set frequency H，else L2: Frequency equal 0，H，else L3：≧”F37” H，else L4: Fault H，Normal L5: AO | 0 | Mi5 with MO Function alternative, can’t use meanwhile |
| F39 | Current limit | 2～5A | 3.5A |  |
| F40 | Speed ratio | 1～120（1 is frequency） | 1 |  |
| F41 | Speed offset | 0～200 | 100 |  |
| F42 | Direction of timing | 0：Count down；1：Timing | 0 |  |
| F43 | Carrier frequency | 8～15kHz | 8 |  |
| F44 | power saving | 0～30 | 0 |  |
| F45 | ”F21” parameter 8 | F5～F4 | 0 |  |
| F46 | ”F21” parameter 9 | F5～F4 | 0 |  |

 Press **FUNC** key，you see **F 0**，press ▲、▼key，Select **F 0～F46，Press ENTER**，show the Parameter value xx，use▲、▼to adjusting, press ENTER save，or press FUNC don’t save。

 When **F 1** is 0，motor running，▲key to Increase the frequency,▼key to decrease the frequency。

When **F 1** is 1，motor frequency decided by impressed voltage or external potentiometer

Use **F 6、F 7** when accelerate and decelerate，example：F 0＝50Hz，F 6＝10Hz，F 7＝25Hz，run after 5S，motor get 50Hz；when stop，after 2S，from 50Hz to 0。

 Restore Factory Defaults ：turn off and press FUNC with ENTER key，turn on，Restore when show def.

 fault code：

 oL1，oL2: overdrive； EC: over current Module to protect；

 Et: over-temperature protection； Lost: Communication is wrong.