ALTIVAR 71 GRAPHIC DISPLAY TERMINAL

- **Description and Operation**
  - **Display status**—displays default settings: the drive’s state, active control channels, frequency reference, and LOC/REM (T/K key status). The Display Status content can be configured.
  - **Menu line**—displays the name of the current menu or submenu.
  - **Submenus**—lists the submenus of the current menu.
  - **Scroll boxes**—indicates (by arrow direction) whether there are additional submenus or levels to access. A blank box indicates that there are no additional submenus or levels to access.
  - **Status line**—displays the functions assigned to function buttons F1–F4: Code (F1), << (F2), >> (F3), and T/K (F4). See the descriptions below.
  - **Function buttons**—
    - F1: displays the code of the selected parameter or contextual Help
    - F2: navigates to the left or returns to the previous menu or submenu
    - F3: navigates to the right or advances to the next menu or submenu
    - F4 (quick navigation button): provides a shortcut to menus or settings
  - **Stop/Reset button**—stops the drive controller and resets the faults when in HMI command mode
  - **ESC button**—exits a menu or parameter, or cancels a value to return to the previous value in the memory
  - **Run button**—runs the motor with the current setting. Starts the drive controller if in HMI command mode.
  - **Navigation button/dial**—pressing the button saves a value or enters a menu or parameter. Turning the dial clockwise increases a value or advances to the next menu item or line. Turning the dial counter-clockwise decreases a value or backs up to the previous menu item or line. In HMI mode, the dial acts as a speed reference control.
  - **FWD/REV button**—reverses the rotation direction of the motor (if configured to allow reverse for HMI command mode).

- **NOTE:** Refer to the Altivar 71 programming manual for detailed information about the display terminal operations.

### Changing a parameter
1. Use the navigation dial to vertically scroll the DRIVE MENU list, press ENT (navigation button) to select the submenu.
2. Select the parameter to change and press ENT.
3. Use F1 and F2 to scroll horizontally, then select the digit to change (the digit is highlighted).
4. Turn the navigation dial clockwise to increase the digit or counter-clockwise to decrease the digit.
5. Press ENT to save the change or press the ESC button to cancel the change.

### TYPICAL CONNECTIONS

3-phase power supply connection diagram

- **Speed reference potentiometer, if used**

- **Control connection diagram**

- **Braking resistor (if used)**

### Electrical equipment should be installed, operated, serviced, and maintained only by qualified personnel. No responsibility is assumed by Schneider Electric for any consequences arising out of the use of this material.
1. SIMPLY START

All drive control: 2-wire
Customized Micro: Yes

2. SETTINGS

Pump: 0.8
Deceleration: 3.00s
Low Speed: 0.0Hz
High Speed: 50.0Hz
Rated Current: 1.6A
Rated speed: 0.0Hz

3. INPUT/OUTPUT CFG

3.1 SIMPLY START

All drive control: 2-wire
Customized Micro: Yes

3.2 SETTINGS

1. SIMPLY START

All drive control: 2-wire
Customized Micro: Yes

1.2 MONITORING

1.3 SETTINGS

1.4 INPUT/OUTPUTS CFG

1.5 COMMAND

1.6 DIAGNOSTICS

1.7 APPLICATION FUNCT.

1.8 FAULT MANAGEMENT

1.9 COMMUNICATION

1.10 DIAGNOSTICS

1.11 IDENTIFICATION

1.12 FACTORY SETTINGS

2. ACCESS LEVEL

Basic
Advanced
Expert

3. OPEN / SAVE AS

Save

4. PASSWORD

User: Unknown
Pin code 1: OFF
Pin code 2: OFF
Up/down limit: Permitted
Download rights: Unknown

5. LANGUAGE

English
Français
Deutsch
Italiano
Español
Türkçe (Turkish)

6.1 PARAM. BAR SELECT MONITORING

Alarm groups
Alarm reference
Motor current
Motor voltage
Motor power
Motor torque
Motor frequency
Motor thermal state
Dv. thermal state
GFR: thermal state
Input Power
Consumption
Run time
Power on time
GFR: alarm counter
PID reference
PID feedback
PID error
PID Output
Config. Active
Library/Save Set
Local / Remote

6.2 MONITOR SCREEN TYPE

Display value type
Digital
PARAMETER SELECTION

6.3 COM. MAP CFG.

Input 1 add. select: 1
Format select 1: Hex
Input 2 add. select: 1
Format select 2: Hex
Input 3 add. select: 1
Format select 3: Hex
Input 4 add. select: 1
Format select 4: Hex

6.4 INPUT/OUTPUTS CFG

3-wire control: 2 wire
2-wire type: Transmission
Reverse assign: No

7. MONITORING CFG.

7.1 SIMPLY START

Power up menu: Main menu

7.2 MONITORING

7.3 PARAMETER CFG.

7.4 KEYPAD CFG.

Keypad contrast: 50%
Keypad brghtness: 0
Power up menu: Main menu

8. ACCESS LEVEL

Basic
Advanced
Expert

9. PASSWORD

User: Unknown
Pin code 1: OFF
Pin code 2: OFF
Up/down limit: Permitted
Download rights: Unknown

10. LANGUAGE

English
Français
Deutsch
Italiano
Español
Türkçe (Turkish)

11. PARAM. BAR SELECT MONITORING

Alarm groups
Alarm reference
Motor current
Motor voltage
Motor power
Motor torque
Motor frequency
Motor thermal state
Dv. thermal state
GFR: thermal state
Input Power
Consumption
Run time
Power on time
GFR: alarm counter
PID reference
PID feedback
PID error
PID Output
Config. Active
Library/Save Set
Local / Remote

12. MONITOR SCREEN TYPE

Display value type
Digital
PARAMETER SELECTION

13. COM. MAP CFG.

Input 1 add. select: 1
Format select 1: Hex
Input 2 add. select: 1
Format select 2: Hex
Input 3 add. select: 1
Format select 3: Hex
Input 4 add. select: 1
Format select 4: Hex

14. INPUT/OUTPUTS CFG

3-wire control: 2 wire
2-wire type: Transmission
Reverse assign: No

15. KEYPAD CFG.

Keypad contrast: 50%
Keypad brghtness: 0
Power up menu: Main menu

16. COMMAND

Channel 1: 1
PID inhibition: No
Stop key priority: Stop
Profile: No
Ccw switching: ch1 select
Ccw channel 1: Torque
Ccw channel 2: Modbus
CW switching: ch1 select
CW channel 1: Torque
CW channel 2: Modbus

17. APPLICATION FUNCT.

Reference Switch
Ref. Operations
Jump
Stop Configuration
Auto DC Injection
JOG
Ph. Speeds
H-Speed
H-Speed As Ref
Menu Reference
Reverse
Limit switches
Brake logic control
External weight meas.
High speed holding
PID Regulator
PID Phases Reference
Torque control
Swing/Rake Up
Torque Limitation
270° Command
Line Contactor Command
Output Contactor Command
Positioning by sensors
Power / Switching
Malahot / Config.
Auto Tuning By L1
Torque control
Evolution
Hall Foot
DC Breaker

18. FAULT MANAGEMENT

PFC Management
Fault Reset
Automatic Restart
Check On The Fly
Motor Thermal Prote.
Output Phase Loss
Input Phase Loss
Drive Overload
Thermal Alarm Stop
External Fault
Undervoltage Mgt
IGBT Tests
4-20mA Loss
Fault Inhibition
Comm. Fault Management
Encoder Fault
Torque On/Off Delays
Frequency Meter
Dynamic Load Direct
DB. Ref. Protection
Auto Tuning Fault
Com. Pairing
Fault Clear
Ramp-Climber
DC injection

19. COMMUNICATION

Comm. Scanner Input
Com. Scanner Output
MODBUS Rx
MODBUS Network
Com. / Diag.
Comm. Local

20. DIAGNOSTICS

Test Procedure
Service Message

21. IDENTIFICATION

A74TH07B4
0.7Hp 75Hz
380V 50Hz
MC Software V1.1E 02
Product V1.1 902A
OPTION 2
V2 EXTENSION CARD
V1 E 85
OPTION 2: No option
GRAPHIC TERMINAL
V1.10D
120CH/20CH
ENCODER
6042

22. FACTORY SETTINGS

Config. Source
Parameter Group List
Save FACTORY SETTINGS
Save config.
No

23. USER MENU

This menu is accessible only if Display Config. menu 7.2 has been quised or canceled

24. PROGRAMMABLE CARD

This control card is only a Contactor interface card is inserted

NOTE:

• The key drive settings to monitor are highlighted in yellow.
• All menu levels are accessible through the Expert access level.

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