



COMBIVERT F6

INSTRUCTIONS FOR USE | **INSTALLATION F6 OPERATOR 2.64**
WITH GRAPHIC USER INTERFACE

Original Manual
Document 20467751 US 00 Preliminary







Preface

The hardware and software described in this document are products of KEB. The information contained in this document is valid at the time of publishing. KEB reserves the right to update this document in response to misprints, mistakes or technical changes.




Warning Signs and Key Symbols

Certain procedures within this document can cause safety hazards during the installation or operation of the device. Refer to the safety warnings in this document when performing these procedures. Safety signs are also located on the device where applicable. A safety warning is marked by one of the following warning signs:

| | |
|---|--|
|  <p>⚠ DANGER</p> | <p>Type and/or source of hazard.</p> <p>Indicates a hazardous situation which will result in death or serious injury if not avoided.</p> <ul style="list-style-type: none"> ▶ Measures to avoid the hazard. ▶ Can be supplemented by an additional warning sign or symbol. |
|  <p>⚠ WARNING</p> | <p>Type and/or source of hazard.</p> <p>Indicates a hazardous situation which may result in death or serious injury if not avoided.</p> <ul style="list-style-type: none"> ▶ Measures to avoid the hazard. ▶ Can be supplemented by an additional warning sign or symbol. |
|  <p>⚠ CAUTION</p> | <p>Type and/or source of hazard.</p> <p>Indicates a hazardous situation which may result in minor or moderate injury if not avoided.</p> <ul style="list-style-type: none"> ▶ Measures to avoid the hazard. ▶ Can be supplemented by an additional warning sign or symbol. |
|  <p>NOTICE</p> | <p>Type and/or source of hazard.</p> <p>Indicates a situation that may result in damage to the product or other property if not avoided.</p> <ul style="list-style-type: none"> ▶ Description of the information. ▶ Can be supplemented by an additional warning sign or symbol. |









RESTRICTION

Used when the following statements depend on certain conditions or are only valid for certain ranges of values.

| | |
|---|---|
|  | <p>Informational message, prerequisite or recommended procedures.</p> |
|  | <p>Reference to further documentation with link and QR code:  https://www.kebamerica.com/elevator-support/</p> |



More Symbols

| Symbol | Description |
|---|--|
|  | Action step |
|  | Enumerations or unordered list |
|  | Cross-reference |
| <i>Link</i> | Internal reference hyperlink |
|  <i>Link</i> | External website hyperlink |
|  | General mandatory action sign |
|  | Mandatory: Refer to instruction manual/booklet |
|  | General warning sign |
|  | Warning: Risk of electric shock |

Laws and Requirements

KEB America, Inc. has certified the product against the US, Canadian and European standards. Additionally, KEB Automation KG provides the EC declaration of conformity that the product complies with the essential safety requirements.

The UL, CSA and CE marks are located on the name plate when applicable. The EC declaration of conformity can be downloaded on demand via our website.

Warranty

The warranty and liability on design, material or workmanship for the acquired device is given in the general sales conditions.



General sales conditions for North America:

 <https://www.kebamerica.com/terms-and-conditions>



General sales conditions for Europe:

 <https://www.keb-automation.com/terms-conditions>



Further agreements or specifications require a written confirmation.

Support and Liability

It is not possible to cover every potential application of our device in a single manual. If you require further information or if problems occur which are not covered in this document, you can request the necessary information via KEB America, Inc., or the local KEB Automation KG agency.

The use of KEB products in the target application is beyond KEB control and therefore responsibility lies exclusively with the machine manufacturer, system integrator or customer.

The information contained in this document, as well as any user-specific advice in spoken or written form or generated through testing, is provided to the best of KEB knowledge, and is considered for informational purposes only. KEB America, Inc. bears no responsibility or liability for the accuracy of the information listed above, nor for any violation of industrial property rights committed by a third-party in relation to this information.

Selection of the most suitable product for any given application is the responsibility of the machine manufacturer, system integrator or customer.

Evaluation of the product can only be performed by the machine manufacturer in combination with the application. Any tests performed must be repeated every time any part of the hardware or software is modified, or any time the unit adjustment is changed.

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1 Basic Safety Instructions

The KEB F6 Operator is designed and constructed with state-of-the-art technology in accordance with recognized safety rules and regulations. Improper use of this device may cause hazards to life and limb of the user or third-parties, or damage to the application and other material property.

The following safety instructions have been created by KEB America, Inc. for elevator drive technology. They can be supplemented by local, country or application-specific safety instructions. This list is not exhaustive. Violation of the safety instructions by the customer, user or other third party leads to the loss of all resulting claims against the manufacturer.

NOTICE



Stay safe! Stay informed!

- ▶ Read the instructions for use.
- ▶ Observe the safety and warning instructions.
- ▶ If instructions are unclear, please contact KEB prior to operating device.

1.1 Target Group

This instruction manual is determined exclusively for electrical personnel. Electrical personnel for the purpose of this instruction manual must have the following qualifications:

- Knowledge and understanding of the safety instructions.
- Skills for installation and assembly.
- Start-up and operation of the product.
- Understanding of the function in the used machine.
- Detection of hazards and risks of the electrical drive technology.
- Knowledge of *DIN IEC 60364-5-54*.
- Knowledge of national safety regulations.

1.2 Validity of this manual

This manual describes the operator of the F6. This manual:

- contains only supplementary safety instructions.
- is only valid in connection with the power unit manual of the F6.

1.3 Electrical connection

⚠ DANGER



Voltage at the terminals and in the device!

- ▶ For any work on the unit switch off the supply voltage and secure it against switching on.
- ▶ Wait until the drive has stopped in order, that perhaps regenerative energy can be generated.
- ▶ Wait until the DC-Link capacitors are discharged (5 minutes). Verify by measuring the DC voltage at the terminals.
- ▶ Never bridge upstream protective devices (also not for test purposes).

For a trouble-free and safe operation, please pay attention to the following instructions:

- The electrical installation shall be carried out in accordance with the relevant requirements.
- Cable cross-sections and fuses must be dimensioned by the user accordly to the specified minimum / maximum values for the operation.
- Within systems or machines the person installing electrical wiring must ensure that on existing or new wired safe ELV circuits the EN requirement for safe insulation is still met!
- For drive converters that are not isolated from the supply circuit (in accordance with *EN 61800-5-1*) all control lines must be included in other protective measures (e.g. double insulation or shielded, earthed and insulated).
- When using components without isolated inputs/outputs, it is necessary that equipotential bonding exists between the components to be connected (e.g. by the equipotential line). Disregard can cause destruction of the components by equalizing currents.

1.4 Start-up and operation

The start-up (i.e. for the specified application) is forbidden until it is determined that the installation complies with the machine directive; account is to be taken of *EN 60204-1*.

⚠ WARNING



Software protection and programming!

Hazards caused by unintentional behavior of the drive!

- ▶ Ensure software protection and programming.
- ▶ Confirm during initial start-up or replacement of the drive controller whether parameterization is compatible to application.
- ▶ Securing a unit solely with software-supported functions is not sufficient. It is imperative to install external protective measures (e.g. limit switch) that are independent of the drive controller.
- ▶ Secure motors against automatic restart.

2 Product Description

The device series F6 is a series of single axis drive controllers. These devices are equipped with a diagnostic interface (description see F6 control boards). The F6 operators can be connected to this interface.

These operators can perform the following tasks:

- Providing a user surface (keyboard and display)
- Providing a diagnostic interface (USB or Ethernet)

The operators cannot perform the following tasks:

- Providing of interfaces for permanent installation (fieldbuses / IO / etc.)



F6-A control boards further information:

www.keb.de/fileadmin/media/Manuals/dr/ma_dr_f6-cu-a-inst-20118593_en.pdf



F6-K control boards further information:

www.keb.de/fileadmin/media/Manuals/dr/ma_dr_f6-cu-k-inst-20144795_en.pdf



F6-P control boards further information:

www.keb.de/fileadmin/media/Manuals/dr/ma_dr_f6-cu-p-inst-20182705_en.pdf



2.1 Specified Application

The F6 serves exclusively for the control and regulation of three-phase motors. It is intended for the installation into electrical systems or machines.

Technical data and information for connection conditions shall be taken from the nameplate and from the instructions for use and must be strictly observed.

The semiconductors and components used in KEB products are developed and designed for use in industrial products.

Restriction

The product is not permitted to be used in vital life-sustaining applications, i.e. medical, without the expressed written consent of KEB Automation KG or KEB America Inc. general management.

2.1.1 Residual Risks

Despite intended use, the drive converter can reach unexpected operating conditions in case of error, with wrong parameterization, by faulty connection or non-professional interventions and repairs.

These can be:

- Wrong direction of rotation
- Motor speed too high
- Motor running into limitation
- Motor being under voltage even in standstill
- Automatic start

2.2 Unintended Use

The operation of other electric devices is prohibited and can lead to the destruction of the devices. The operation of our products outside the indicated limit values of the technical data leads to the loss of any liability claims.

2.3 Order Data

| Material number | Version |
|-----------------|--|
| 00F6P00-1001 | Operator without interface |
| 00F6P00-4001 | Operator with ethernet and USB interface |

Table 1: Order data

3 Description of the Operator



| Legend | | | |
|--------|---|---|---|
| 1 | Locking lever | 5 | Nameplate |
| 2 | LC display 160 x 160 pixel, 32 levels of grey | 6 | Version without interface |
| 3 | Control panel | 7 | Version with ethernet and USB interface (USB-B) |
| 4 | X6A: Interface to the drive controller | | |

Figure 1: Description of the operator

3.1 Control card block incl. operator



Figure 2: Control card block incl. operator (front panel)

3.2 Operating conditions

The description of the operating conditions can be found in the instructions for use of the used F6 drive controller.

NOTICE



Avoidance of faulty shutdowns!

- ▶ When the operator is plugged into an operational device (supply voltage and 24 V voltage switched on), the message “42 exception state: ERROR power unit SACB comm.” can be displayed.
- ▶ The error is reset by switching the 24 V voltage of the drive controller off and on again.

This behaviour can occur for devices of the F6 series with housing 6, 7, 8 and 9. From the revision levels listed in the table, an operator can be plugged in without regard to the operating state.

| Series | Housing | Revision ¹⁾ |
|--------|---------|------------------------|
| F6 | 6 | 2K |
| | 7 | 2V |
| | 8 | 1K |
| | 9 | 0P |

Table 2: Revision levels of the housings

¹⁾ The information on the revision level can be found on the nameplate

4 Interfaces

4.1 Operator interface

The interface fulfills the following functions:

- Communication with the F6 device (protocol DIN 66019 II)
- Voltage supply of the operator

A combined RS485 interface is used as interface, which is provided as 9-pole D-Sub plug connector.



4.1.1 Remote control

NOTICE



Malfunctions in case of own manufacture!

- ▶ When manufacturing an extension cable yourself, the assignment must be made without pins 1, 2 and 3.
- ▶ Connections of pins 4, 5, 6, 7, 8, 9 and the shield are sufficient.
- ▶ The maximum length is 10 meters (depending on the cable cross-section).

4.2 Diagnostic interfaces

4.2.1 Ethernet interface

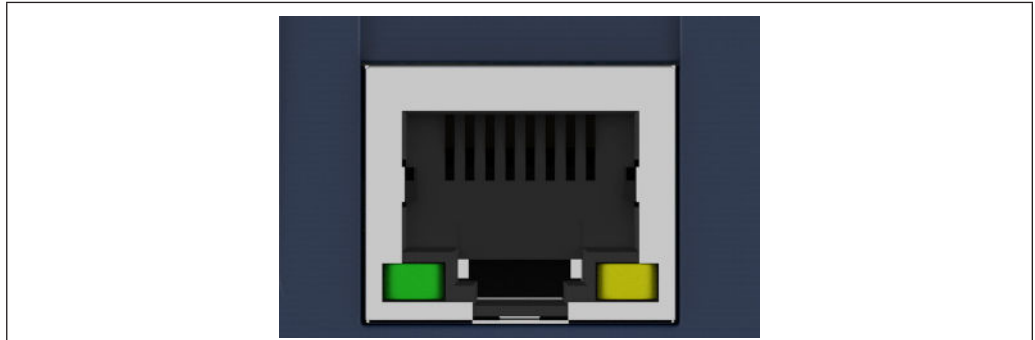


Figure 4: Ethernet interface

The ethernet interface emulates the diagnostic interface on the F6 device. DIN 66019 II is used as protocol via TCP or UDP on port 8000 and KebFtp on port 8002. Additionally, it can be accessed to parameters / objects of the operator. The operator responds to all node addresses.

4.2.2 USB interface



Figure 5: USB interface

The DIN 66019 II protocol transmitted via USB is output by the operator on the serial interface. The baud rate does not correspond to the baud rate set in COMBIVIS. The operator and the control board check for the fastest possible baud rate. Additionally, it can be accessed to parameters/objects of the operator. The USB interface is electrically isolated. The operator responds to all node addresses.

5 Assembly of the Operator

Assembly of the operator on a F6 housing 2:

1. Loosen the blind cover by pressing the locking lever and remove it.



Figure 6: Remove the blind cover

2. Attach the F6 operator at the lower edge and tilt it into the cutout.
3. Engage the locking lever.



Figure 7: Attach the operator

6 Navigation

6.1 Control elements

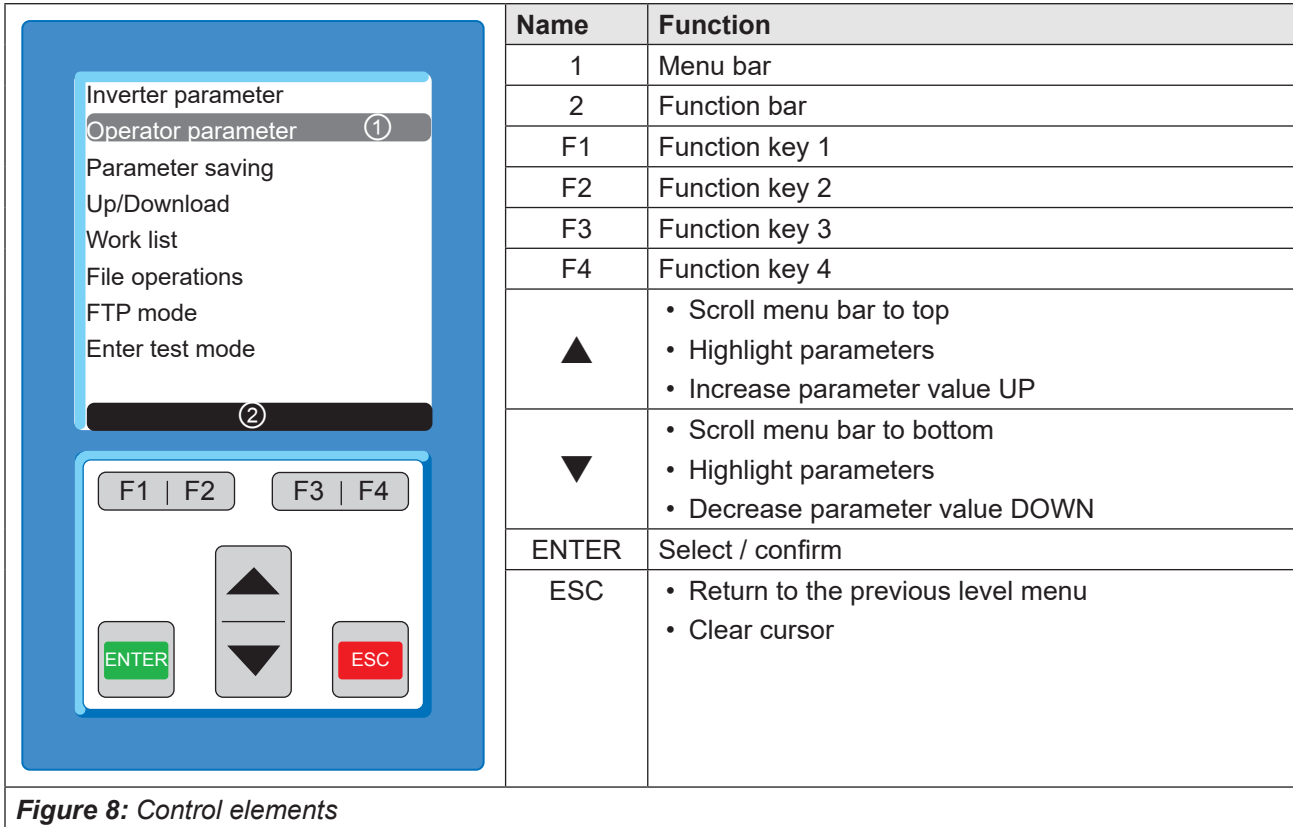


Figure 8: Control elements

6.1.1 Description of the control elements

6.1.1.1 Menu bar

The menu bar displays the actual selection in the menu. It can be shifted with the keys ▲ and ▼. Press ENTER to change to the subordinate operating level, and ESC to change back to the next higher operating level.

6.1.1.2 Function keys and function bar

The function keys F1...F4 are dynamically assigned depending on the menu item. The function bar displays the actual assignment of the function keys F1...F4.

6.2 Operator main menu

6.2.1 Switching on

The operator is supplied power by the drive controller and switches on and off with the drive controller. After switching on, the operator searches automatically for the connected drive controller. This also occurs in case of communication interruption with the drive controller. The node number of the connection can be read out in the operator parameter OS13.

When accessing the drive controller via the ethernet or USB interface, the use of the node address is optional.

The operator responds to all node addresses but will add the node of the connected drive controller.

The KEB Lift Home screen is the first screen displayed upon booting the operator. The Home screen will always display six modules and emulates the KEB F5 Home screen.

Figure 9: KEB lift home screen

The main menu is the uppermost menu level. With the keys ▲ and ▼ you can navigate with the the menu bar and select the desired submenu. Press ENTER to jump to the selected submenu.

Figure 10: Main menu

6.2.2 Required files

The operator requires the following files in its flash memory for correct operation:

| File | Feature |
|-----------------|---|
| language_f6.dat | Contains the operator texts for the operator in all languages. |
| paras.blb | Contains the parameter descriptions of all F6 operators. |
| xxxxx.blb | Files to install additional drive controller types. Can be read out directly by some drive controllers. |

Table 3: Operator files

The information required for correct operation is normally read out automatically from the drive controller by the operator.



If any of the files listed are missing for any reason, please contact KEB.

For independent installation of the files, refer to section [FTP mode](#).

6.3 Non-changeable parameters



The parameter groups are dependent on the drive controller type.

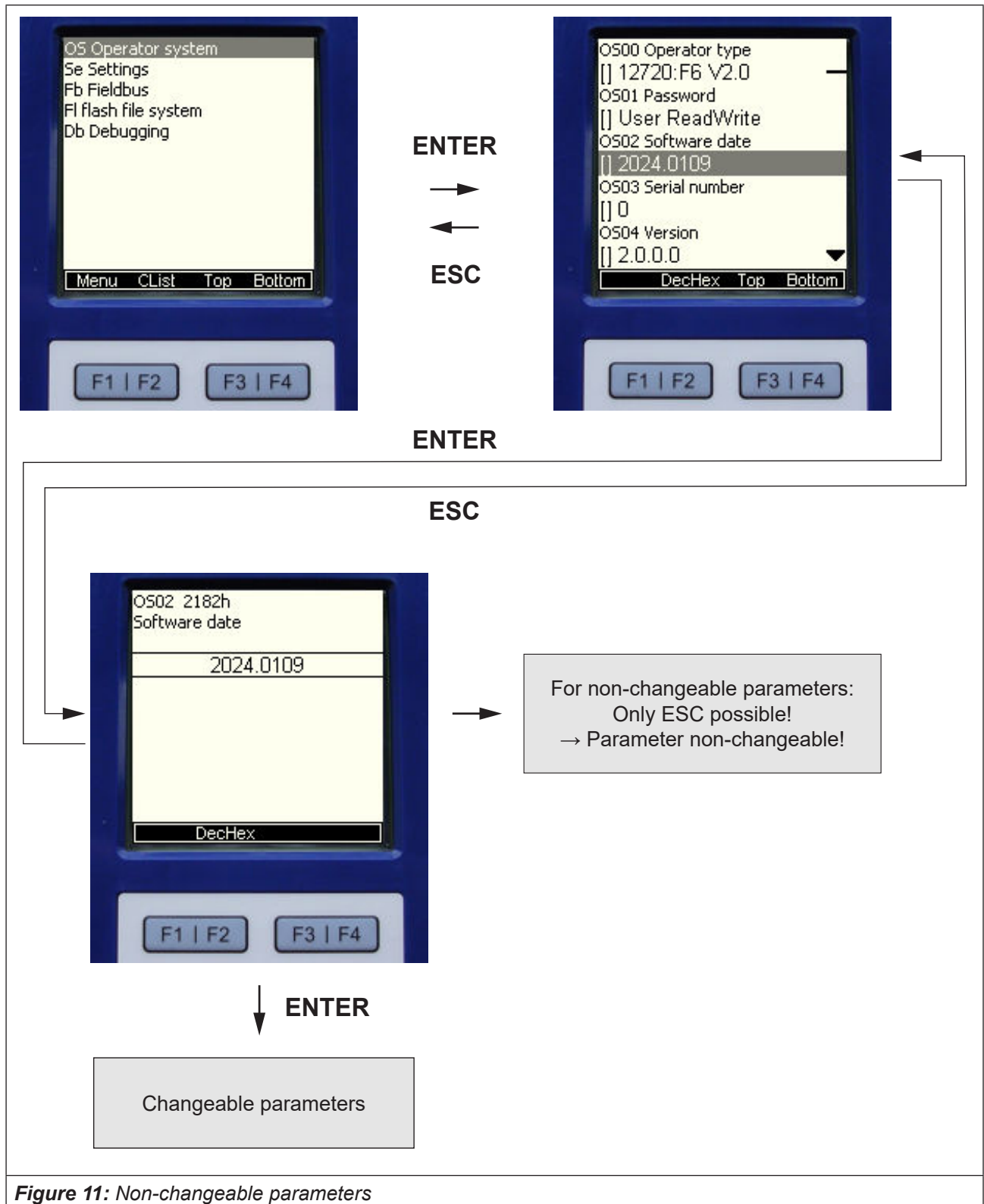


Figure 11: Non-changeable parameters

6.4 Changeable parameters

6.4.1 Changing with "Up" and "Down"

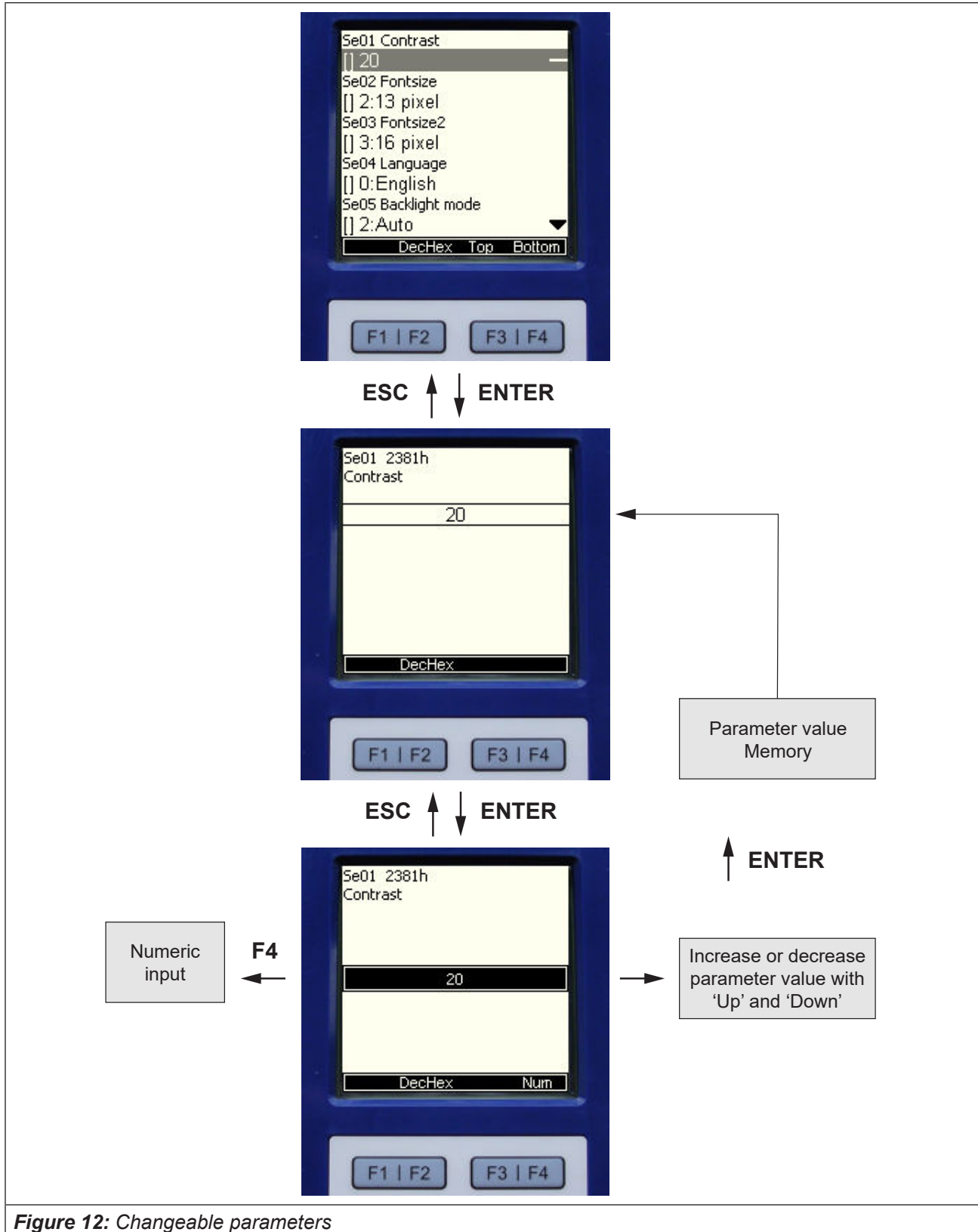


Figure 12: Changeable parameters

6.4.2 Selection of subindices

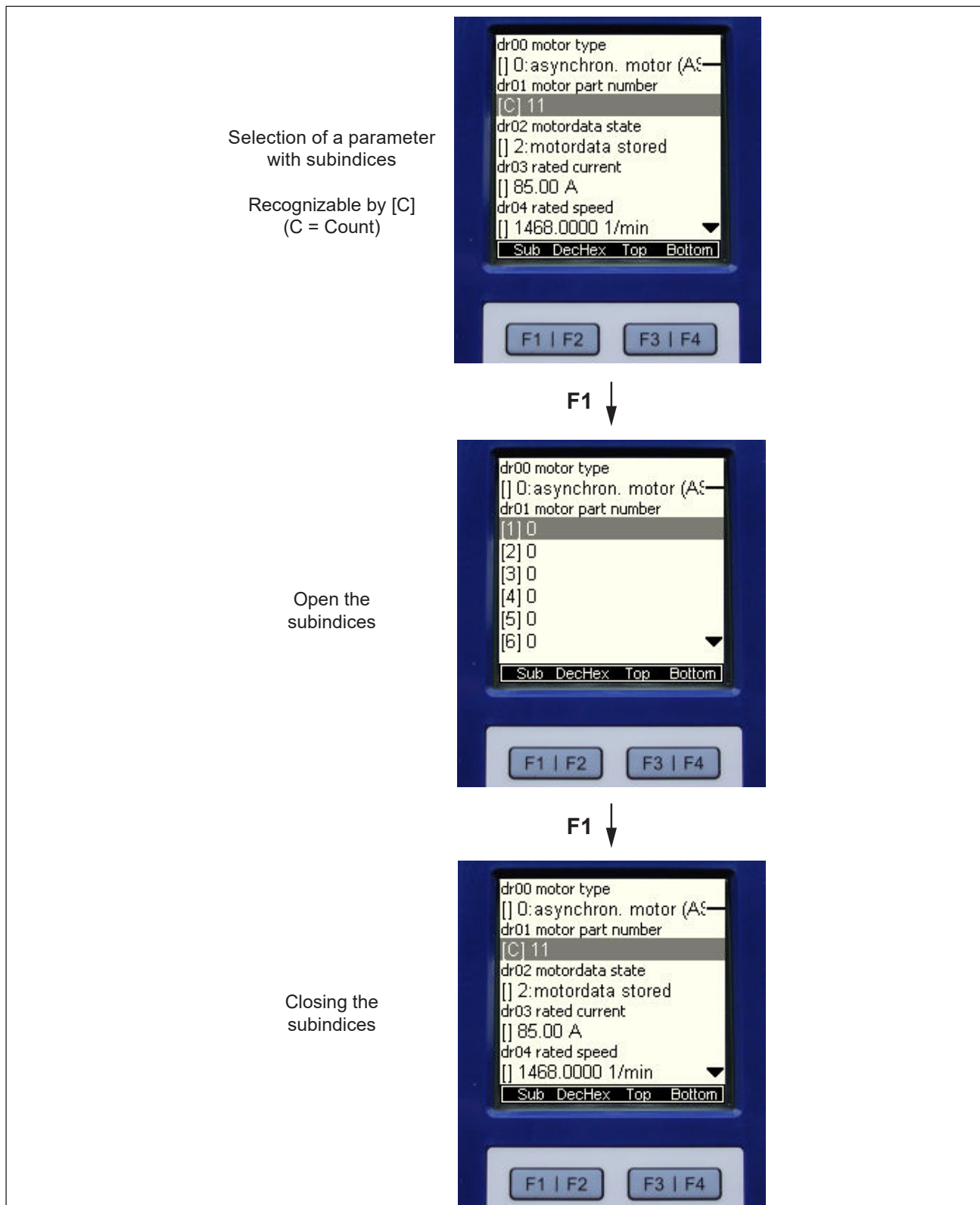


Figure 13: Selection of subindices

6.4.3 Numeric input

F4
→
←

ESC
←

ENTER

Round up to the next valid value and write to the device

| F1 | F2 | F3 | F4 |
|---------------------|--|---|---|
| The sign is changed | Removes the digit with the smallest value. | A point and a further digit are inserted. The digit can be changed with UP and Down. NOTE: Only the first comma is valid! | Adds a digit at the end. The digit can be changed with UP and Down. |

Figure 14: Numeric input

6.5 Abbreviations in the function toolbar

| Abbreviation | Meaning |
|--------------|---|
| Menu | Jump to the main menu. |
| CList | Generate a full backup with free selectable name. |
| Up | Scroll up in the menu. |
| Down | Scroll down in the menu. |
| DecHex | Conversion of numeric values from decimal to hexadecimal. |
| Num | Change to the numerical input. |
| Sub | Display additional subindices. |
| + - | Change the sign to + or -. |
| <- | The digit with the lowest value is removed. |
| , | Add a comma and another digit. |
| >> | Add another digit at the end. |

Table 4: Abbreviations in the function toolbar

6.6 Inverter parameters

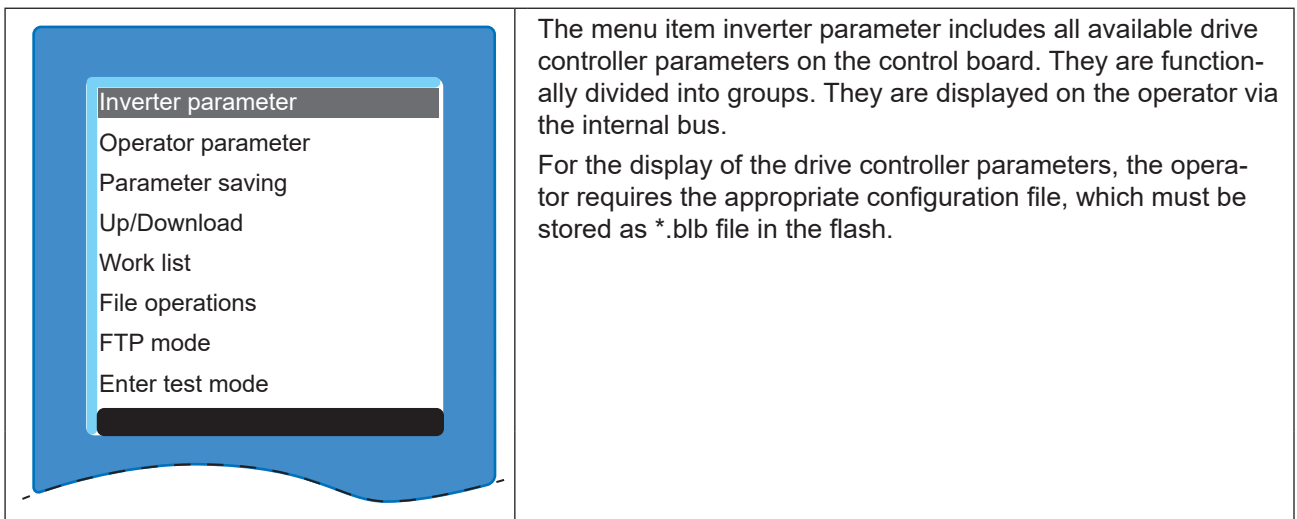


Figure 15: Inverter parameters



These procedures should be followed in order for the inverter parameters to function correctly.

6.7 Operator parameters

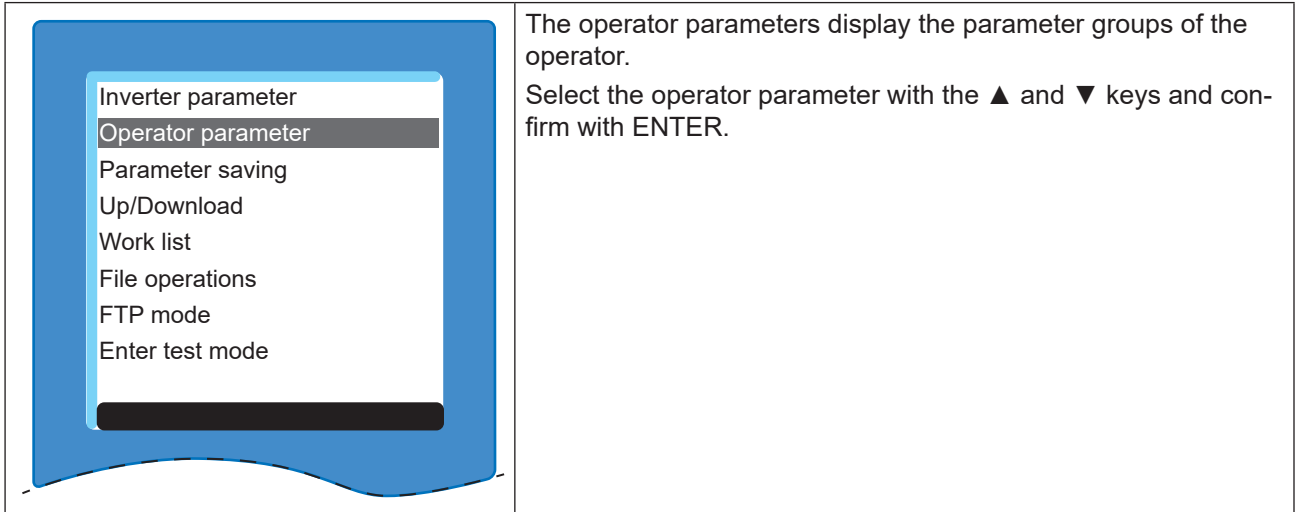
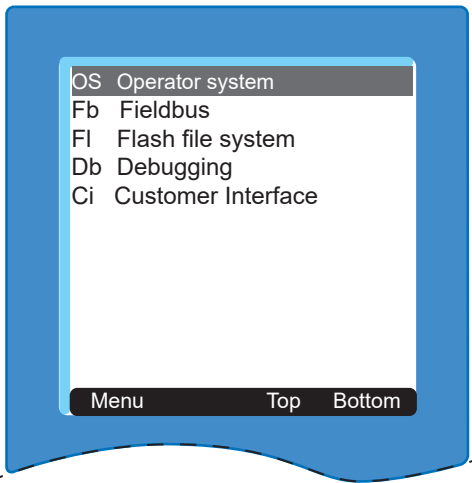


Figure 16: Operator parameters



The operator parameters are divided into five groups:

- **OS - Operator system:** Display and setting of the basic settings.
- **Fb - Fieldbus (only ethernet):** Display of the fieldbus parameters.
- **Fl - Flash file system:** Display of the flash-memory usage.
- **Db - Debugging:** Special debugging parameters for the manufacturer test.
- **Ci - Customer Interface:** Contains the addresses used to display the desired parameters on the various GUI screens.
 - **Ci00 screen layout:** Stores up to 11 screens of default layout settings.
 - **Ci01-11 GUI screen #:** Stores up to 6 addresses of displayed parameters.

Select the corresponding parameter group with the ▲ and ▼ keys.
ENTER switches to the selected submenu.

Figure 17: Operator parameter groups

6.7.1 Operator system parameters (Os)



Only the meanings of the parameter values are described in the following. Value range, data length and data type; access mode and the default values can be taken from COMBIVIS.

| Os00 | Operator type | Parameter address | 0x0180 |
|------------------------|---|-------------------|--------|
| Value | Description | | |
| e.g. 12820 | Display of the operator type (configuration number) | | |
| Os01 | Password | Parameter address | 0x7181 |
| Value | Description | | |
| -1...-9 | Displays the actual password level of the operator independent of the drive controller, and is used to enter the operator password level and is also the actual file level: <ul style="list-style-type: none"> • 550 = user read-only, file level = 5 • 660 = user read/write, file level = 6 • Supervisor, file level = 7 | | |
| Os02 | Software date | Parameter address | 0x7182 |
| Value | Description | | |
| 0.0000... 9999.1231 | Software Date of the operator. Display of the year before the point, month and day behind. E.g. 2014.0513 equals 13.05.2014 | | |

| | | | |
|--------------|---|--------------------------|--------|
| Os03 | Serial number | Parameter address | 0x7183 |
| Value | Description | | |
| | Displays the serial number of the operator. | | |
| Os04 | Version | Parameter address | 0x7184 |
| Value | Description | | |
| | Displays the software version number of the operator. | | |
| Os05 | Node address | Parameter address | 0x7185 |
| Value | Description | | |
| 0...239 | Displays the actual drive controller node address. | | |

6.7.2 Settings parameters (Se)

| | | | |
|--------------|--|--------------------------|--------|
| Se01 | Contrast | Parameter address | 0x7381 |
| Value | Description | | |
| -50 ... 50 | Sets the contrast of the LCD display. Press ENTER to change into the input mode in order to change the parameter value. Use the keys ▲ and ▼ to adjust the contrast in a range of -50...50. | | |
| Se02 | Font size | Parameter address | 0x7382 |
| Value | Description | | |
| 0...4 | The font size determines the complete menu view in the display. Use the keys ▲ and ▼ to choose one of the following font sizes: 8, 10, 13, 16, 24 pixel. | | |
| Se03 | Font size 2 | Parameter address | 0x7383 |
| Value | Description | | |
| 0...4 | Determines the size of the parameter values. | | |
| Se04 | Language | Parameter address | 0x7384 |
| Value | Description | | |
| 0...7 | Use the keys ▲ and ▼ to choose one of the following languages: <ul style="list-style-type: none"> • 0: English • 1: German • 2: American • 3: Francais • 4: Italiano • 5: Russian • 6: Espanõl • 7: Portuguese | | |

| Se05 | Backlight mode | Parameter address | 0x7385 |
|-------|--|-------------------|--------|
| Value | Description | | |
| 0...2 | The menu item determines the behavior for the backlight of the LC display. Use the keys ▲ and ▼ to choose one of the following adjustments: <ul style="list-style-type: none"> • 0: off → generally off • 1: on → generally on • 2: Automatically → on when pressing a key; off after 30 seconds if no key is pressed. | | |

| Se06 | Actual mode | Parameter address | 0x7386 |
|--------|---|-------------------|--------|
| Value | Description | | |
| 0...10 | Current mode of the operator <ul style="list-style-type: none"> • 0: Main menu • 1: Inverter parameter • 2: Operator parameter • 3: Parameter saving • 4: Download mode • 5: Worklist mode • 6: File operations • 7: FTP Local mode • 8: FTP Bridge mode • 9: Test mode • 10: Lift GUI | | |

| Se07 | Startup mode | Parameter address | 0x7387 |
|--------|--|-------------------|--------|
| Value | Description | | |
| 0...10 | The startup mode determines the display during switch on. <ul style="list-style-type: none"> • 0: Main menu • 1: Inverter parameter • 2: Operator parameter • 3: Parameter saving • 4: Download mode • 5: Worklist mode • 6: File operations • 7: FTP Local mode • 8: FTP Bridge mode • 9: Test mode • 10: Lift GUI | | |

| Se08 | Parameter reset | Parameter address | 0x7388 |
|-------|--|-------------------|--------|
| Value | Description | | |
| 0...1 | Resets the Settings parameter values when active. <ul style="list-style-type: none"> • 0: Inactive • 1: Active | | |

| | | | |
|--------------|--|--------------------------|--------|
| Se09 | FTP timeout | Parameter address | 0x7389 |
| Value | Description | | |
| 0...255 | Seconds of inactivity before leaving the FTP mode. <ul style="list-style-type: none"> • 0: Off • 1...255: seconds before leaving | | |

| | | | |
|--------------|---|--------------------------|--------|
| Se10 | Scroll speed | Parameter address | 0x738A |
| Value | Description | | |
| 200...1000 | Milliseconds between each shift of text when scrolling is active. | | |

6.7.3 Fieldbus parameters (Fb)

| | | | |
|--------------|---|--------------------------|--------|
| Fb00 | MAC address | Parameter address | 0x7280 |
| Value | Description | | |
| | The MAC address (Media Access Control) is formed of 6 bytes. Only the lowest 4 bytes are displayed at "FAXxxxxx". This address is assigned by the manufacturer and cannot be changed. | | |

| | | | |
|--------------|---|--------------------------|--------|
| Fb01 | IP address | Parameter address | 0x7281 |
| Value | Description | | |
| | The IP address consists of 4 bytes and is the clear identification of one internet participant. In case of doubt, the network administrator gives the address to be adjusted. | | |

| | | | |
|--------------|--|--------------------------|--------|
| Fb02 | Active IP address | Parameter address | 0x7282 |
| Value | Description | | |
| | Displays the value of the currently used IP address. | | |

| | | | |
|--------------|--|--------------------------|--------|
| Fb05 | IP error counter | Parameter address | 0x7285 |
| Value | Description | | |
| | Serves for the diagnosis of the IP protocol stack. | | |

| | | | |
|--------------|---|--------------------------|--------|
| Fb06 | TCP connections | Parameter address | 0x7286 |
| Value | Description | | |
| | Displays the number of active TCP/IP connections. | | |

| | | | |
|--------------|--|--------------------------|--------|
| Fb07 | UDP connections | Parameter address | 0x7287 |
| Value | Description | | |
| | Displays the number of active UDP connections. | | |

| Fb09 | Data port password | Parameter address | 0x7289 |
|----------------|--|-------------------|--------|
| Value | Description | | |
| 0...2147483647 | <p>Defines the write protection password for the access via port 8000. If the password is active, this password must first be entered again for a write access. Error message "operation not possible" is displayed in case of locked data port write access. Value "0" switches off the write protection password (only possible if the active password is correct entered).</p> <p>Read:</p> <ul style="list-style-type: none"> • -1: Inactive • -2: Active <p>Write:</p> <ul style="list-style-type: none"> • 0: Delete password • > 0: Password set / enter | | |



If for 30 seconds there is no communication with the operator, the password must be entered again.

| Fb10 | DHCP server | Parameter address | 0x728A |
|-------|---|-------------------|--------|
| Value | Description | | |
| 0...1 | <p>Serves for switching off and on of the DHCP server functionality.</p> <p>BootP- and DHCP requests are answered delayed in activated state. The following restrictions become valid because the operator has no information about available IP addresses in the network:</p> <p>The DHCP server is only provided for operation with cross/patch cable to a PC/notebook, in order to assign an IP address to the PC/notebook if necessary. Thus an end-to-end operation without manual intervention and without knowledge of the IP protocol is possible.</p> <p>All requests are collected and if three equal requests are recognized, an appropriate response is transmitted. Thus, in standard network operation, the standard DHCP servers can assign a valid IP address first before the operator assigns it.</p> <p>The IP address of the operator increased by '1' is preset as IP address. If the low byte of the IP address is higher than '254', the IP address of the operator decreased by '1' is preset.</p> <ul style="list-style-type: none"> • 0: Inactive • 1: Active | | |

| Fb14 | Link status | Parameter address | 0x728E |
|-------|---|-------------------|--------|
| Value | Description | | |
| | Displays an Ethernet connection as well as speed and duplex mode. | | |

| Fb15 | Location | Parameter address | 0x728F |
|-------|--|-------------------|--------|
| Value | Description | | |
| | <p>Contains a user-specific adjustable text for a machine position.</p> <p>Default value: -anywhere-</p> | | |

6.7.4 Debugging parameters (Db)

The Db parameters Db00 to Db11 will only be used for internal testing purposes.

| | | | |
|--------------|--|--------------------------|--------|
| Db12 | Inverter Communication errors | Parameter address | 0x768C |
| Value | Description | | |
| | Displays the number of incorrect communications with the drive controller. | | |

| | | | |
|--------------|--|--------------------------|--------|
| Db13 | Inverter Baud Rate | Parameter address | 0x768D |
| Value | Description | | |
| | Displays the maximum number of possible bytes. | | |

| | | | |
|--------------|--|--------------------------|--------|
| Db14 | Node Search Area | Parameter address | 0x768E |
| Value | Description | | |
| | Displays the negotiated baud rate with the drive controller. | | |

6.7.5 Flash file system parameters (FI)

| | | | |
|--------------|--|--------------------------|--------|
| FI00 | Max. bytes | Parameter address | 0x7480 |
| Value | Description | | |
| | Displays the maximum number of possible bytes. | | |

| | | | |
|--------------|--|--------------------------|--------|
| FI01 | Max. files | Parameter address | 0x7481 |
| Value | Description | | |
| | Displays the maximum number of possible files. | | |

| | | | |
|--------------|--|--------------------------|--------|
| FI02 | Used bytes | Parameter address | 0x7482 |
| Value | Description | | |
| | Displays the number of the used bytes. | | |

| | | | |
|--------------|--|--------------------------|--------|
| FI03 | Used files | Parameter address | 0x7483 |
| Value | Description | | |
| | Displays the number of the used files. | | |

| | | | |
|--------------|---|--------------------------|--------|
| FI04 | Deleted bytes | Parameter address | 0x7484 |
| Value | Description | | |
| | Displays the number of the deleted bytes. | | |

| | | | |
|--------------|---|--------------------------|--------|
| FI05 | Deleted files | Parameter address | 0x7485 |
| Value | Description | | |
| | Displays the number of the deleted files. | | |

| | | | |
|--------------|------------------------------------|--------------------------|--------|
| FI06 | Free bytes | Parameter address | 0x7486 |
| Value | Description | | |
| | Displays the number of free bytes. | | |

| | | | |
|--------------|--|--------------------------|--------|
| FI07 | Flash function | Parameter address | 0x7487 |
| Value | Description | | |
| 0...256 | Displays the state of the flash system and if necessary, is used to format the memory (value = 660 "user read/write" - password required). | | |

NOTICE



Avoid loss of important system files!

- ▶ Formatting is normally never required and leads to the loss of important system files, which must be transferred again.

6.7.6 Customer interface parameters (Ci)

| | | | |
|--------------|---|--------------------------|--------|
| Ci00 | Screen Layout | Parameter Address | 0x8080 |
| Value | Description | | |
| | Stores the display settings for each Diagnostic screen. | | |

| | | | |
|----------------|---|--------------------------|--------|
| Ci01 | GUI Main Screen | Parameter Address | 0x8081 |
| Value | Description | | |
| 1...2147483647 | Stores the parameter addresses for display. | | |

| | | | |
|----------------|---|--------------------------|--------|
| Ci02 | GUI Screen 1 | Parameter Address | 0x8082 |
| Value | Description | | |
| 1...2147483647 | Stores the parameter addresses for display. | | |

| | | | |
|----------------|---|--------------------------|--------|
| Ci03 | GUI Screen 2 | Parameter Address | 0x8083 |
| Value | Description | | |
| 1...2147483647 | Stores the parameter addresses for display. | | |

| | | | |
|----------------|---|--------------------------|--------|
| Ci04 | GUI Screen 3 | Parameter Address | 0x8084 |
| Value | Description | | |
| 1...2147483647 | Stores the parameter addresses for display. | | |

| | | | |
|----------------|---|--------------------------|--------|
| Ci05 | GUI Screen 4 | Parameter Address | 0x8085 |
| Value | Description | | |
| 1...2147483647 | Stores the parameter addresses for display. | | |

| | | | |
|----------------|---|--------------------------|--------|
| Ci06 | GUI Screen 5 | Parameter Address | 0x8086 |
| Value | Description | | |
| 1...2147483647 | Stores the parameter addresses for display. | | |

| | | | |
|----------------|---|--------------------------|--------|
| Ci07 | GUI Screen 6 | Parameter Address | 0x8087 |
| Value | Description | | |
| 1...2147483647 | Stores the parameter addresses for display. | | |

| | | | |
|----------------|---|--------------------------|--------|
| Ci08 | GUI Screen 7 | Parameter Address | 0x8088 |
| Value | Description | | |
| 1...2147483647 | Stores the parameter addresses for display. | | |

| | | | |
|----------------|---|--------------------------|--------|
| Ci09 | GUI Screen 8 | Parameter Address | 0x8089 |
| Value | Description | | |
| 1...2147483647 | Stores the parameter addresses for display. | | |

| | | | |
|----------------|---|--------------------------|--------|
| Ci10 | GUI Screen 9 | Parameter Address | 0x808A |
| Value | Description | | |
| 1...2147483647 | Stores the parameter addresses for display. | | |

| | | | |
|----------------|---|--------------------------|--------|
| Ci11 | GUI Screen 10 | Parameter Address | 0x808B |
| Value | Description | | |
| 1...2147483647 | Stores the parameter addresses for display. | | |

6.8 Parameter saving

| | |
|---|--|
| <p>Inverter parameter Operator parameter Parameter saving Up/Download Work list File operations FTP mode Enter test mode</p> | <p>ENTER opens the submenu for parameter saving.</p> <p>Parameter saving (Upload) = F3 All inverter and operator parameters are read and saved in the flash memory. Every new upload process overwrites the pre-saved parameter lists.</p> <p>Write parameter (Download) = F4 A download is not possible without saved inverter parameters. If inverter parameters are not saved, an error message will occur.</p> |
|---|--|

Figure 18: Parameter saving

6.9 Upload/download of parameters

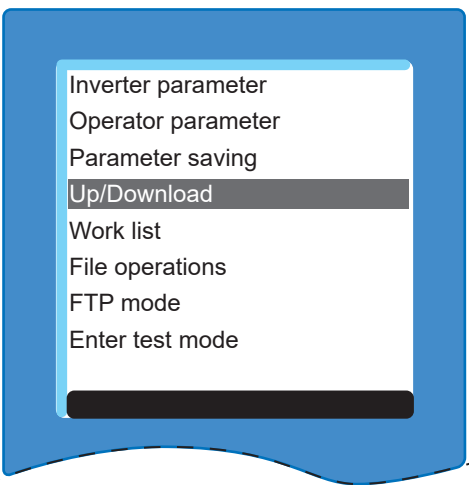
| | |
|--|--|
|  <p>The screenshot shows a menu with the following items: Inverter parameter, Operator parameter, Parameter saving, Up/Download (highlighted), Work list, File operations, FTP mode, and Enter test mode. A black bar is visible at the bottom of the menu.</p> | <p>ENTER opens the submenu for uploading and downloading.</p> <p>Generate dw5 file (Upload) = F2 Generate new dw5 file of the current ConfigID to use the Download functions.</p> <p>Write parameter (Download) = F4 An existing download list is stored in the drive controller.</p> <p>Parameter lists, created with COMBIVIS in .dw5 format can be transmitted via ftp to the operator.</p> |
|--|--|

Figure 19: Upload/download of parameters

6.10 Work list

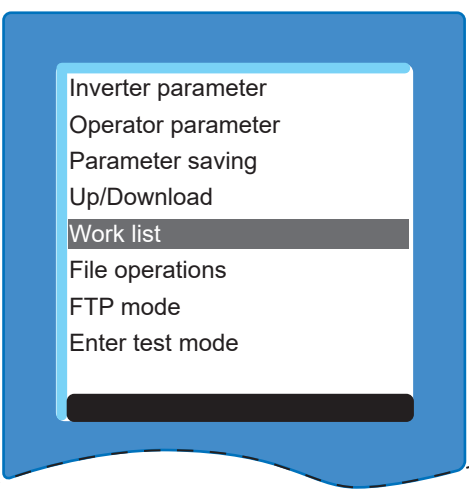
| | |
|--|---|
|  <p>The screenshot shows a menu with the following items: Inverter parameter, Operator parameter, Parameter saving, Up/Download, Work list (highlighted), File operations, FTP mode, and Enter test mode. A black bar is visible at the bottom of the menu.</p> | <p>ENTER opens the submenu for the worklist.</p> <p>The selection of a work list of the flash memory occurs in this menu item.</p> <p>Parameter lists, created with COMBIVIS in .wr5 format can be transmitted via ftp to the operator.</p> |
|--|---|

Figure 20: Work list



The compilation of the work list must be done with COMBIVIS.

Parameters from other Cfg IDs (for example, operator parameter in complete lists) are displayed as “invalid address FFFFh”.

6.11 File operations

| | |
|--|--|
| | <p>ENTER opens the submenu for the file operations.</p> <p>F1 : Back to the main menu</p> <p>ENTER: Display of file name / size / date / time / access level. New files created on the operator will use the lift clock value for a creation date.</p> <p>F4 : Delete the file</p> |
|--|--|

Figure 21: File operations



To delete or to rename a file, the current access level must be higher or equal to the file level. The current level is determined via the operator password or specified when using KebFTP upon connection.

From KebFTP 1.5.0.0, the current access level is displayed when selecting a drive and the file level when selecting a file.

Deleted files are automatically cleared in the background.

6.12 FTP mode

| | |
|--|--|
| | <p>ENTER opens the submenu for the FTP mode.</p> <p>The FTP mode is used to transfer files from/in the flash file system via the KebFTP protocol. For the ethernet operator, the FTP mode is always available via UDP port 8002. For the USB operator, the USB interface is changed in this mode for KebFTP operation and does not longer respond to DIN66019II requests. The used baud rate is freely selectable for USB.</p> |
|--|--|

Figure 22: FTP mode

One of the programs 'KEB FTP' or 'COMBIVIS' is required to install missing files. Each file can be protected with an access level (refer to section [File operations](#)).

6.13 FTP bridge mode

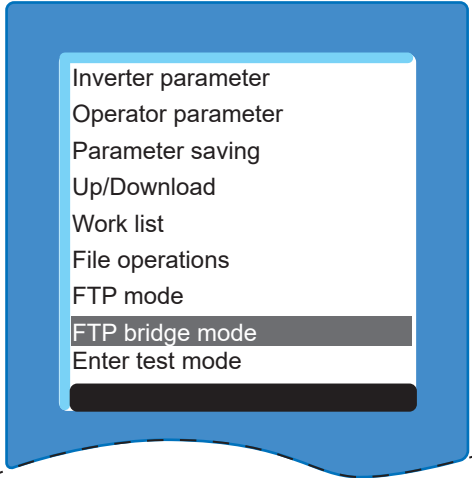
| | |
|---|---|
|  <p>Inverter parameter Operator parameter Parameter saving Up/Download Work list File operations FTP mode FTP bridge mode Enter test mode</p> | <p>ENTER opens the submenu for the FTP bridge mode.</p> <p>The FTP bridge mode is used to transfer files from/in the file system of the drive controller via the KebFTP protocol. In this mode, the files in the inverter can be accessed via Ethernet UDP port 8002 and via the USB interface. USB can't respond to DIN66019-II requests. The used baud rate is freely selectable for USB.</p> <p>F1 : Back to the main menu</p> |
|---|---|

Figure 23: FTP bridge mode

6.14 Function test of keyboard and display

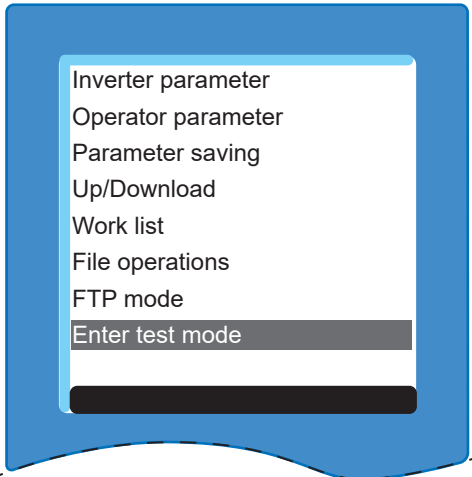
| | |
|---|--|
|  <p>Inverter parameter Operator parameter Parameter saving Up/Download Work list File operations FTP mode Enter test mode</p> | <p>ENTER starts a test mode, to check the function of the single keys and the LC-display.</p> <p>Follow the instructions on the display during the test run.</p> |
|---|--|

Figure 24: Function test of keyboard and display

7 Screen Overview

This section will describe the screens of the graphic user interface (GUI) displayed by the operator. The table below is a general reference for button functions that apply to all F6 operator GUI screens.

7.1 Home and diagnostic screens

The KEB Lift Home screen will always display six modules and emulates the KEB F5 Home screen. From the home screen, function key F1 can be used to return to the last viewed diagnostic screen. If a diagnostic screen has not been accessed, the interface will remain at the home screen after pressing F1.

| KEB LIFT HOME SCREEN | | Key | Function Bar | Description |
|--------------------------------|---------------------------|--------|--------------|---|
| System Status 0: reserved+H | Mode 0: Idle | F1 | Last | Previous Diagnostic screen |
| Motor Speed 0.00 rpm | Command Speed 0.00 rpm | F2 | Diag | Go to Diagnostic screen 1 |
| Elevator Speed 0 ft/min | Motor Current 0.0 A | F3 | Prog | Go to Program menu (Displays the active configID parameter list) |
| Last Diag Prog Lang | | F4 | Lang | Go to Language menu |
| | | Up | N/A | Move cursor up with looping |
| | | Down | N/A | Move cursor down with looping |
| | | Enter | N/A | Enlarges selected parameter view |
| | | Escape | N/A | Clears cursor |

Figure 25: Home screen

The F2 button accesses the diagnostic screens and will scroll through ten diagnostic screens followed by the diagnostic screen log, before returning to the first diagnostic screen. F1 also will return to the home screen.

| Diagnostic Screen 1 | | Key | Function Bar | Description |
|---|-------------------------------|--------|--------------|---|
| System Status None+No F | Modulation Grade 0 % | F1 | Home | Return to Home screen |
| Motor Current 0.0 A | Peak Current 0.0 A | F2 | Prev | Go to Previous screen |
| DC Bus Voltage 0 V | Peak DC Volts 0.1 V | F3 | Next | Go to Next screen |
| Home Prev Next | | F4 | View | This feature requires password level 6: Supervisor or higher. Go to View menu (Allows user to change the display format of the screen). |
| | | Up | N/A | Move cursor up with looping |
| | | Down | N/A | Move cursor down with looping |
| | | Enter | N/A | Enlarges selected parameter view |
| Diagnostic Screen 4 | | Escape | N/A | Clears cursor |
| System Status 0: Empty+N | Input - X2B ○ ○ STO SBC | | | |
| Input - X2A ○ ○ ○ ○ ○ ○ ○ ○ 11 12 13 14 15 16 17 18 | | | | |
| Output - X2A & X1C ○ ○ ○ ○ ○ O1 O2 RLY1 BRK SWO | | | | |
| Home Prev Next View | | | | |

Figure 26: Diagnostic screen

7.1.1 Home and diagnostic screen functionality



This feature requires password level 6: Supervisor or higher.

The Home and Diagnostic screens can display up to six parameters each with their current value and name from the inverter. These parameters can be changed out at user discretion and will maintain their shifted view through rebooting the operator. In order to update the default display, the user will have to update the default file.

- The default file for lift configurations is “Customer_Lift.dw5”.
- The default file for drive configurations is “Customer_Drive.dw5”.

The screens can display parameters in six different ways. This view can be changed through the operator or Combivis. If changed through the operator, the view must be saved through the Default Options menu. If changed through Combivis, the “Customer_LIFT.dw5” (or “Customer_drive.dw5”) file must be saved and transferred to the operator. The updated view will now remain after rebooting.

The six display formats are:

- **Scrolling Text (TxT)**
The operator will display the variable name and the data as a text string that will scroll if needed.
- **Speed Dial (SpD)**
The operator will display the variable name and a speed dial view that ranges from 0 to 100% based on the limits for the parameter.
- **STO Display (STO)**
The operator will display the STO and SBC bits of the Input Parameter. If the LIFT or drive input parameter are not selected, it will display a message instructing the user to select the input parameter.
- **Bar Graph (Bar)**
The operator will display the variable name and a bar graph will fill in ranging from 0 to 100% based on the limits for the parameter. This box will take up two box slots horizontally on the screen.
- **Input/Output Switches (I/O)**
The operator will display the input or output switch values determined from the input or output status parameters. This display takes up four slots and will only work if displaying the specific input and output parameters.
- **Radial Compact View (Cmp)**
This display uses the entire screen to display a parameter with the first 16 bits individually viewable. It will also display the plain text data string associated with the parameter value.
- **Radial List View (Lst)**
This display uses the entire screen to display a parameter with up to the first sixteen bits displayed in a scrollable list. Each bit displayed must have a plain text string associated with it and each of the displayed bits can be toggled on or off. This screen is designed for displaying the Status Word or Control Word parameters.

| Screen 1 Layout | | Key | Function Bar | Description |
|--------------------------|-------------|--------|--------------|---|
| Scroll Text | Scroll Text | F1 | Main | Return to previous screen |
| Scroll Text | Scroll Text | F2 | N/A | N/A |
| Scroll Text | Scroll Text | F3 | Default | Default display to six scrolling text boxes |
| Scroll Text | Scroll Text | F4 | Prev | Return to previous screen |
| Main Default Prev | | Up | N/A | Move cursor up with looping |
| | | Down | N/A | Move cursor down with looping |
| | | Enter | N/A | Opens view selection menu for selected position |
| | | Escape | N/A | Return to previous screen |
| Parameter Position 0 | | Key | Function Bar | Description |
| Scrolling Text | | F1 | Main | Return to previous screen |
| Speed Dial | | F2 | N/A | N/A |
| STO Display | | F3 | Top | Move cursor to top selection |
| Bar Graph | | F4 | Bottom | Move cursor to bottom selection |
| I/O Switches | | Up | N/A | Move cursor up with looping |
| Raidal Compact View | | Down | N/A | Move cursor down with looping |
| Radial List View | | Enter | N/A | Selects highlighted view |
| Main Top Bottom | | Escape | N/A | Return to previous screen |

Figure 27: Parameter view screen

7.3 Language screen

From the Home screen, F4 can access the language screen where a user can change the language of the operator.

On the screen, the current language is displayed and pressing ENTER will prompt the user to select a new language using the arrow keys.

The language screen display will update immediately after saving. The language screen can also be saved through defaulting the GUI display of the operator.

Strings will only display in the selected language if present in the language file, otherwise they default to English.

“English” and “American” will both display in English, but American will display the Date as MM/DD/YYYY and display “rpm” instead of “1/min” as units.

The default language is American.

| Language | English | Key | Function Bar | Description |
|----------|---------|--------|--------------|--|
| | | F1 | Exit | Return to previous screen |
| | | F2 | N/A | N/A |
| | | F3 | N/A | N/A |
| | | F4 | N/A | N/A |
| | | Up | N/A | N/A |
| | | | | Scroll up with looping |
| | | Down | N/A | N/A |
| | | Enter | N/A | Open language edit Confirm language selection |
| | | Escape | N/A | N/A |
| | | | | Close Language Selection without changes |
| | | | | |

Figure 29: Language screen

7.4 Program menu

The program menu is accessible via button F3 through the home screen and will display the active configuration’s parameter list. Accessible inverter parameters can be viewed and edited.

The drive inverter parameters can be accessed from the *File menu screen*. If the inverter “.blb” file is missing from the operator, the user can upload it from the “configuration missing” screen.

| UD User Definition | Key | Function Bar | Description |
|---------------------------|--------|--------------|---------------------------------------|
| DE Device Info | F1 | Home | Return to Home screen |
| CH Configuration Handling | F2 | Pass | Go to Password screen |
| US Basic Setup | F3 | Setup | Go to Setup screen |
| LI Inputs | F4 | File | Go to File Menu screen |
| LM Motor Data | Up | N/A | Move cursor up with looping |
| LE Encoder Data | Down | N/A | Move cursor down with looping |
| LN Machine Data | Enter | N/A | Go to selected line. |
| LS Speed Profile | Escape | N/A | Exit parameters and parameter groups. |
| LL Tune Parameters | | | |
| LC Control Setting | | | |
| Home Pass Setup File | | | |

Figure 30: Program menu

7.5 Password screen

From the program menu, the password screen is used to change the inverter password. The screen will display the current inverter password level. Pressing ENTER engages the edit field for the password. The *File menu screen* will hide options based on the password level from the inverter. The arrows keys can be used once the edit field is engaged. The password can be up to ten digits, each with a value of 0-9. Once the password digits are selected, ENTER will set the password.

| Image | Key | Function Bar | Description |
|-------|--------|--------------|--------------------------------|
| | F1 | Prog | Return to Program menu |
| | F2 | N/A | N/A |
| | F3 | <- | Remove least significant digit |
| | F4 | >> | Add least significant digit |
| | Up | N/A | Digit value scroll up |
| | Down | N/A | Digit value scroll down |
| | Enter | N/A | Engage password edit field |
| | | | Confirm password edit |
| | Escape | N/A | Cancel password edit |

Figure 31: Password screen

7.6 Setup screen

From the program menu, the setup screen displays various editable settings. The digit values of the “File Access” and “Scrolling Speed” can be edited by pressing F4 when the edit field is displayed. Setting the scroll speed below 200 will default it to “0” and pause scrolling.

The F4 key progresses to the Test screen where a key-by-key procedure will confirm all eight keys function as intended.

All settings save and take effect immediately, and will remain after rebooting.

| Setup Screen | Key | Function Bar | Description |
|-----------------------|--------|--------------|--|
| Language American | F1 | Prog | Return to Program Menu |
| Font size 13 | F2 | N/A | N/A |
| Font size 2 16 | F3 | N/A | N/A |
| Contrast -15 | F4 | <- | Remove least significant digit |
| Backlight Auto | | Test | Go to Test screen |
| File access Off | | Num | Engage number edit |
| Scrolling Speed 600ms | | >> | Add least significant digit |
| Prog Test | Up | N/A | Move cursor up with looping Digit value scroll up |
| Setup Screen | Down | N/A | Move cursor down with looping Digit value scroll down |
| Language American | Enter | N/A | Engage selected setting edit |
| Font size 13 | | | Confirm setting value |
| Font size 2 16 | Escape | N/A | N/A |
| Contrast 0 | | | Cancel setting value. |
| File access 0 | | | |
| Scrolling speed 600ms | | | |
| Prog Num | | | |

Figure 32: Setup screen

7.7 File menu screen

The File Menu screen displays a list of options depending upon the password level of the inverter.

Display options below password level six:

- File Operations
- Flash Functions
- Up/Download

Display options above password level six:

- Inverter Parameter
- File Operations
- Flash Functions
- Operator Main Menu
- Up/Download
- Default Options

Selecting a menu option and pressing ENTER will move to that screen.

| File operations Flash functions Up/Download | Key | Function Bar | Description |
|---|--------|--------------|-------------------------------|
| <div style="border: 1px solid black; padding: 2px;">Prog</div> | F1 | Prog | Return to Program Menu |
| | F2 | N/A | N/A |
| | F3 | N/A | N/A |
| | F4 | N/A | N/A |
| | Up | N/A | Move cursor up with looping |
| | Down | N/A | Move cursor down with looping |
| | Enter | N/A | Go to selected menu option |
| <div style="border: 1px solid black; padding: 2px;">Prog</div> | Escape | N/A | N/A |
| <div style="border: 1px solid black; padding: 2px;">Inverter parameter</div> File operations Flash functions Operator Main Menu Up/Download Default Options | | | |
| <div style="border: 1px solid black; padding: 2px;">Prog</div> | | | |

Figure 33: File menu screen

7.8 File operations

The File Operations screen will display the current files found within the operator. File details can be seen by pressing ENTER on any file. If the file access level is high enough, files can be deleted from this menu. The File Access level is set on the [Setup screen](#).

| | Key | Function Bar | Description |
|--------------------|--------|--------------|-------------------------------|
| 9010106.blb | | | |
| 9010107.blb | F1 | Menu | Return to File Menu |
| 9284.blb | | | |
| 9305.blb | F2 | FTP | Got to FTP screen |
| 9312.blb | | | |
| 9312.blb | F3 | N/A | N/A |
| Customer_Drive.DW5 | | | |
| Customer_LIFT.dw5 | F4 | Delete | Delete selected file |
| language_f6.dat | Up | N/A | Move cursor up with looping |
| para_dis.txt | Down | N/A | Move cursor down with looping |
| paras.blb | Enter | N/A | View file information |
| Menu FTP | Escape | N/A | N/A |
| 9010106.blb | | | |
| 9010107.blb | | | |
| 9284.blb | | | |
| 9305.blb | | | |
| 9312.blb | | | |
| Customer_Drive.DW5 | | | |
| Customer_LIFT.dw5 | | | |
| language_f6.dat | | | |
| para_dis.txt | | | |
| paras.blb | | | |
| Menu FTP Delete | | | |

Figure 34: File operations screen

7.9 FTP mode screen

From the File Operations screen, the FTP screen connects the operator with a computer to transfer files. When using an ethernet connection, the FTP screen is not needed to connect to the operator.

| Ftp mode Press F1 to leave | Key | Function Bar | Description |
|-------------------------------|--------|--------------|---------------------------|
| | F1 | Menu | Return to File Menu |
| | F2 | Flash | Return to File Operations |
| | F3 | N/A | N/A |
| | F4 | N/A | N/A |
| | Up | N/A | N/A |
| | Down | N/A | N/A |
| | Enter | N/A | N/A |
| Menu Flash | Escape | N/A | N/A |

Figure 35: FTP mode screen

7.10 Flash functions screen

This screen displays the file usage of the operator and the number of used files and bytes. The F3 and key can be used if the password level is high enough. Formatting the operator is not recommended as it will remove the language file. The language file is required for the operator to function properly.

| Flash File System | Key | Function Bar | Description |
|--------------------|--------|--------------|---|
| Free Files 53 | F1 | File | Return to File Menu |
| Used Files 10 | F2 | N/A | N/A |
| Deleted Files 0 | F3 | Format | Format the operator (deletes all files present on the operator) |
| Free Bytes 1216000 | F4 | N/A | N/A |
| Used Bytes 2816000 | Up | N/A | Move cursor up with looping |
| Deleted Bytes 0 | Down | N/A | Move cursor down with looping |
| | Enter | N/A | N/A |
| | Escape | N/A | Clear cursor position |

Figure 36: Flash functions screen

7.11 Upload/Download screen

On the Upload/Download screen, a user can write a set of parameter values to the drive control or copy the current drive control parameters to the operator.

In order to use the Download function, a user needs to have an existing dw5 file for the config ID they want to interact with. To generate this file, the 'Upload' function should be used.

| dwn9000007.DW5 | Key | Function Bar | Description |
|-----------------|--------|--------------|---|
| dwn9010106.DW5 | F1 | Menu | Return to File Menu |
| dwn9010107.DW5 | F2 | Upload | Generate new dw5 file of the current ConfigID |
| dwn9010107A.DW5 | F4 | Download | Update inverter's parameter values from the saved values within the selected dw5. |
| dwn9334.DW5 | Up | N/A | Move cursor up with looping |
| | Down | N/A | Move cursor down with looping |
| | Enter | N/A | View file information |
| | Escape | N/A | N/A |

Figure 37: Upload/download screen

7.12 Default options screen

The default options screen has two menu options for either generating a new default file or manually defaulting the operator’s display from an existing default file.

The first menu option progresses to the manual default screen where a user can select a default file to update the operator display. The displayed files will be tied to the current configuration. This prevents a user from using the wrong default file.

The second menu option generates a new default file or overwrites a current default file using the current display format. To update the main default file, the user should not edit the default name displayed when using this option.

| Default Options Screen menu | Key | Function Bar | Description |
|----------------------------------|--------|--------------|--------------------------------|
| Default Parameters Screen | F1 | Menu | Return to File Menu |
| Default Current Parameters | F2 | N/A | N/A |
| Generate New Default File | F3 | N/A | N/A |
| | F4 | N/A | N/A |
| | Up | N/A | Move cursor up with looping |
| | Down | N/A | Move cursor down with looping |
| | Enter | N/A | Select highlighted menu option |
| | Escape | N/A | N/A |
| Menu | | | |
| Manual Default screen | Key | Function Bar | Description |
| Choose a default file to execute | F1 | Exit | Return to Default Menu |
| Customer_LIFT.dw5 | F2 | N/A | N/A |
| | F3 | Info | View file information |
| | F4 | N/A | N/A |
| | Up | N/A | Move cursor up with looping |
| | Down | N/A | Move cursor down with looping |
| | Enter | N/A | Default with selected file. |
| | Escape | N/A | N/A |
| Exit Info | | | |
| Default File Info screen | Key | Function Bar | Description |
| Choose a default file to execute | F1 | Exit | Clear File information banner |
| Customer_LIFT.dw5 | F2 | N/A | Clear File information banner |
| | F3 | Info | Clear File information banner |
| | F4 | N/A | Clear File information banner |
| | Up | N/A | Clear File information banner |
| | Down | N/A | Clear File information banner |
| | Enter | N/A | Clear File information banner |
| | Escape | N/A | Clear File information banner |
| Exit Info | | | |

Figure 38: Default options screens


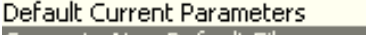



| Default Parameters screen | Key | Function Bar | Description |
|---|--------|--------------|---|
|  | F1 | N/A | N/A |
|  | F2 | <- | Deletes the most recent character |
|  | F3 | Default | Defaults the string to Customer_[inverter type] |
|  | F4 | >> | Adds a character to the name string |
| | Up | N/A | Scroll newest character up |
| | Down | N/A | Scroll newest character down |
| | Enter | N/A | Confirm name |
| | Escape | N/A | Cancel operation |
|  | | | |

Figure 38: Default options screens

7.13 Selecting a new parameter to display on the graphic user interface (GUI)



This feature requires password level 6: Supervisor or higher.

Updating the selected parameter can be completed through the operator and simplified for multiple parameters.

Updating the displayed parameter using the procedure below will automatically set the address, sub-index, and length correctly within the Ci parameters.

| | | | | | | | | | | | | | |
|--|---|--------------|--------|--------|-------------|---------------|----------|----------|----------------|------------|----------|----------|---|
| <p>Diagnostic Screen 2</p> <table border="1"> <tr> <td>Active Profile</td> <td>Active Speed</td> </tr> <tr> <td>0:None</td> <td>0:None</td> </tr> <tr> <td>Motor Speed</td> <td>Command Speed</td> </tr> <tr> <td>0.00 rpm</td> <td>0.00 rpm</td> </tr> <tr> <td>Elevator Speed</td> <td>Peak Speed</td> </tr> <tr> <td>0 ft/min</td> <td>0 ft/min</td> </tr> </table> <p>Home Prev Next View</p> | Active Profile | Active Speed | 0:None | 0:None | Motor Speed | Command Speed | 0.00 rpm | 0.00 rpm | Elevator Speed | Peak Speed | 0 ft/min | 0 ft/min | <p>1. Use the arrow keys to move to the diagnostic screen and parameter module to be updated.</p> |
| Active Profile | Active Speed | | | | | | | | | | | | |
| 0:None | 0:None | | | | | | | | | | | | |
| Motor Speed | Command Speed | | | | | | | | | | | | |
| 0.00 rpm | 0.00 rpm | | | | | | | | | | | | |
| Elevator Speed | Peak Speed | | | | | | | | | | | | |
| 0 ft/min | 0 ft/min | | | | | | | | | | | | |
| <p>KEB F6 Parameter View Screen</p> <p>Motor Speed 0.00 rpm</p> <p>Select Delete</p> | <p>2. Press ENTER to view, change or delete the displayed parameter. NOTE: Deleting the parameter (F3) will cause the screen to display a blank square.</p> | | | | | | | | | | | | |
| <p>UD User Definition</p> <ul style="list-style-type: none"> DE Device Info CH Configuration Handling US Basic Setup LI Inputs LM Motor Data LE Encoder Data LN Machine Data LS Speed Profile LL Tune Parameters LC Control Setting <p>Menu</p> | <p>3. Press F1 ("Select" function) to open the inverter parameters.</p> | | | | | | | | | | | | |

Figure 39: Parameter select screens

| | | | | | | | | | | | | | |
|--|---|--------------|--------|--------|-------------------|---------------|---------|----------|----------------|------------|----------|----------|--|
| <p>DG04 1184h Elevator Position</p> <hr/> <p>0.00 in</p> <hr/> <p>Select DecHex</p> | <p>4. Navigate to the desired parameter and press F1 ("Select" function) to display the parameter in the selected position.</p> | | | | | | | | | | | | |
| <p>Diagnostic Screen 2</p> <table border="1"> <tr> <td>Active Profile</td> <td>Active Speed</td> </tr> <tr> <td>0:None</td> <td>0:None</td> </tr> <tr> <td>Elevator Position</td> <td>Command Speed</td> </tr> <tr> <td>0.00 in</td> <td>0.00 rpm</td> </tr> <tr> <td>Elevator Speed</td> <td>Peak Speed</td> </tr> <tr> <td>0 ft/min</td> <td>0 ft/min</td> </tr> </table> <p>Home Prev Next View</p> | Active Profile | Active Speed | 0:None | 0:None | Elevator Position | Command Speed | 0.00 in | 0.00 rpm | Elevator Speed | Peak Speed | 0 ft/min | 0 ft/min | <p>5. The screen is updated and now displays the parameter in the selected position.</p> |
| Active Profile | Active Speed | | | | | | | | | | | | |
| 0:None | 0:None | | | | | | | | | | | | |
| Elevator Position | Command Speed | | | | | | | | | | | | |
| 0.00 in | 0.00 rpm | | | | | | | | | | | | |
| Elevator Speed | Peak Speed | | | | | | | | | | | | |
| 0 ft/min | 0 ft/min | | | | | | | | | | | | |

Figure 39: Parameter select screens

i Adjusting the screen using this procedure will update the non-volatile memory, saving the parameters through boot, but does not automatically update the default file. To update the default file, refer to section [7.12 Default options screen](#).

7.14 Screen navigation

The diagrams in this section display the sequential flow of F6 operator screens when navigating the graphic user interface (GUI).

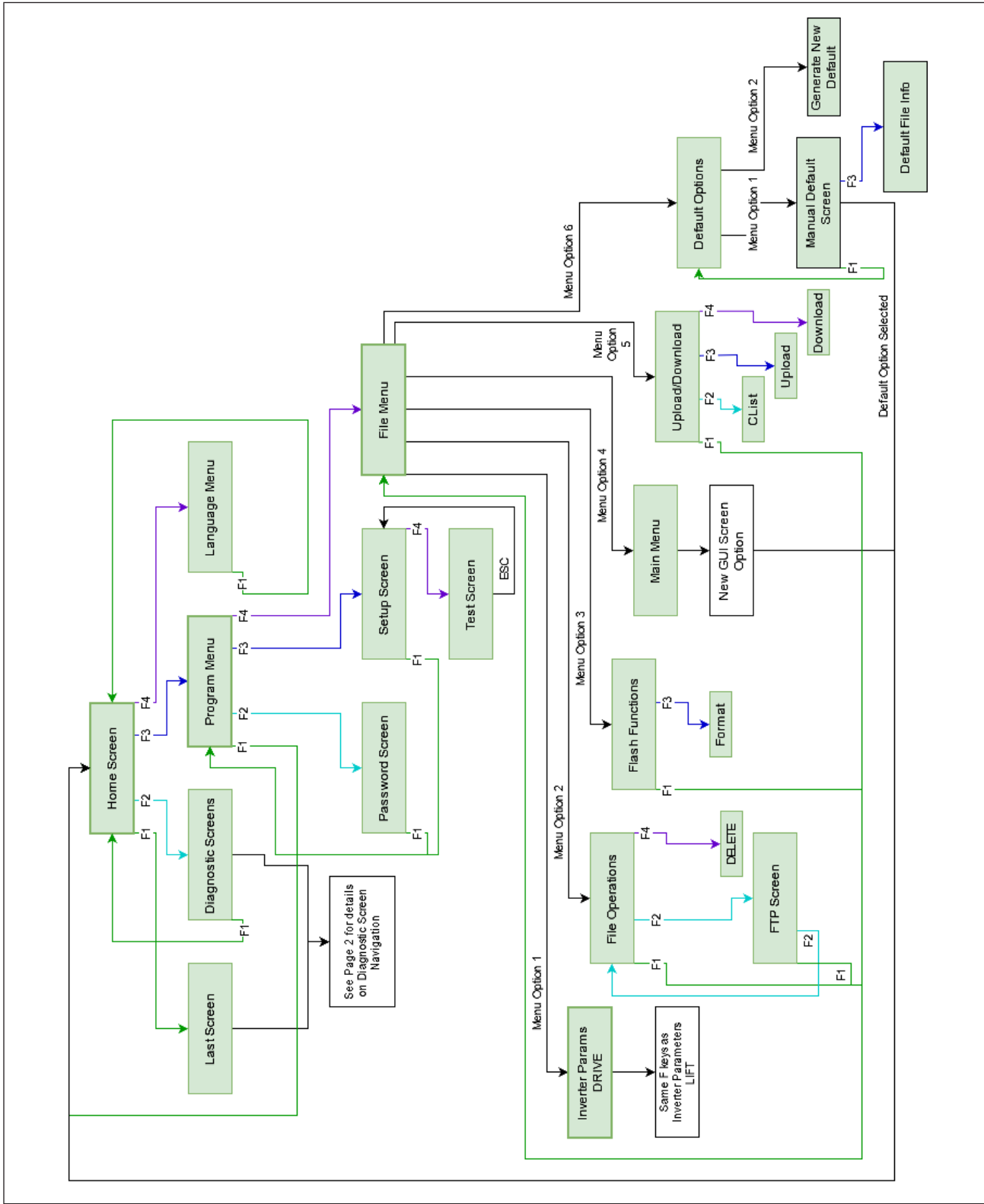


Figure 40: Operator screen navigation

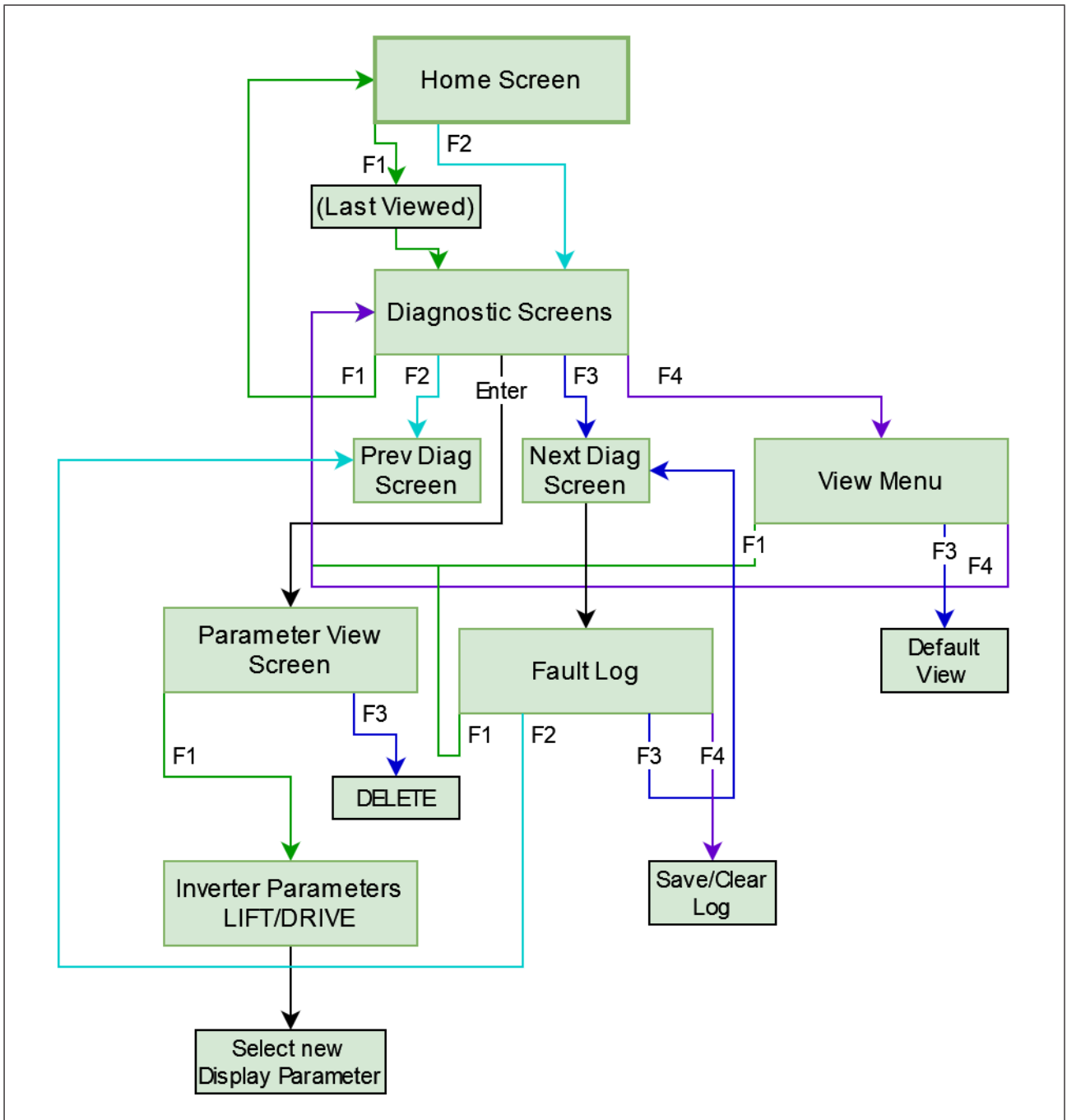


Figure 41: Diagnostic screen navigation

8 Revision History

| Version | Description | Date |
|---------|---------------------|-----------|
| 00 | Preliminary Release | 02 / 2026 |

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