MANUAL

NEWLIFT
NEUE ELEKTRONISCHE WEGE

EBZ

TFT.45 - TFT.110 - TFT-210

Position indicators

Manufacturer

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EAZ-TFT.110/210 : 5-77-23

Softwarev ersion V1.010-0110

Doc. no. hb_eaztft.45-110-210_2021-06_V1.6_en

Inhalt

1 Basic information

The position indicators of the series EAZ-TFT were developed specifically for the FST control system from NEW *LIFT*.
The displays can be used both in the interior panel and in the exterior panel and installed horizontally or vertically.

All interfaces for lift call buttons, indicators, key switches, acoustic messages as well as exterior arrows are on one module.

1.1 Abbreviations, characters and symbols used

Symbol/ abbrevia-tion	Meaning
EAZ	Position indicator
FST	Field bus controller
ADM	Landing call module
SAM	Speech output module
FPM	Car operating panel module
Menu	Menu integrated in the TFT for editing display settings
OnBoard designer	Designer integrated in the TFT for editing the onboard designs. The OnBoard Designer consists of four function groups: › Colour setting › Date display › Status messages and › Transfer
Custom design	Customer-specific design created using the EAZ Designer
OnBoard design	Standard design which can be edited on site using the OnBoard Designer
►	**Delivery condition** Settings that are supplied as standard are marked with an asterisk ⍰.
•	**Operational instructions** Perform the tasks that follow this symbol in the specified order.
	***Safety-relevant information*** This symbol is located in front of safety-relevant information.
	***Information notice*** This symbol is located in front of relevant information.

1.2 Notation

Notation	Meaning
Bold	› Designations of switches and actuators › Input values
Italics	› Captions › Cross references › Designations of functions and signals › Product names
Bold italics	› Remarks
LCD font	› System messages of the controller

1.3 Further information

The following documents, among others, are available for the FST control system and its components:

› FST Installation & Commissioning Manual
› FST manual
› ADM manual
› EAZ-256 manual
› EN81-20 manual
› FPM manual
› Update-Backup-Analysis manual
› FST-2XT MRL manual
› GST-XT manual
› LCS manual
› RIO manual
› SAM manual
› UCM manual

These and other up to date manuals can be found in the download area of our website at Service https://www.newlift.de/downloads.html

1.4 How to contact us

Should you require support, our service line is there for you:

Tel.: +49 89 – 898 66 – 110
Mail: service@newlift.de

Mon. - Thurs.: 8:00 a.m. – 12:00 p.m. and 1:00 p.m. – 5:00 p.m.
Fr: 8:00 a.m. – 3:00 p.m.

2 Safety

The position indicator may only be operated in perfect working condition in a proper manner, safely and in compliance with the manual, the valid accident prevention regulations and the guidelines of the local power company.

The safety guidelines of the FST manual and the FST Installation and Commissioning manual apply for this product.

2.1 Applicable standards and guidelines

› DIN EN 81; Part 1 and 2:
Safety guidelines for the construction and installation of passenger and goods passenger lifts

› DIN VDE 0100:
Conditions for the erection of high voltage installations with nominal voltages up to 1 kV

› VDE 0106
Contact protection measures in the machine room.

› ZH 1/312 - BGI 779
Data sheet on safety measures for the installation, maintenance and repairs of lift systems

› EN 12015:2012
Electromagnetic compatibility – Product family standard for lifts, escalators and moving walkways – Emitted interference

› EN 12016:2011
Electromagnetic compatibility – Product family standard for lifts, escalators and moving walkways – Interference immunity

2.2 Handling electronic assemblies

Electrostatic charging

› Keep the electronic assembly in its original packaging until installation to prevent damage.

› Before opening the original packaging, a static discharge must be performed!
To do this, touch a grounded piece of metal.

› During work on electronic assemblies, periodically repeat this discharge procedure!

› Equip all bus inputs/outputs not in use with a terminal resistor (terminator) to prevent malfunctions.

3 Technical data

3.1 General

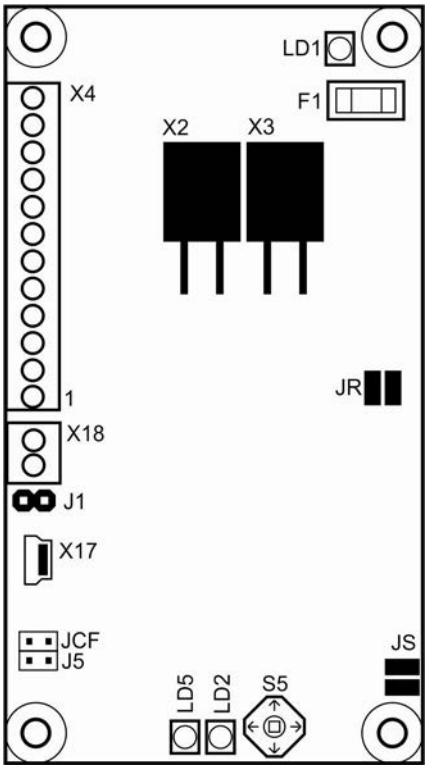
	TFT 45	TFT 110	TFT 210
Dimensions	100mm x 55mm x 30mm	146mm x 106mm x 30mm	255mm x 180mm x 40mm
Display area (active area)	45mm x 60mm	110 mm x 67 mm	211mm x 158mm
Resolution	240 x 320	800 x 480	800 x 600
Bits per pixel	18	24	24
Supply voltage	24 V DC ±10%	24 V DC ±10%	24 V DC ±10%
Typical power consumption	120 mA (without button acknowledgement)	150 mA (without button acknowledgement)	400 mA (without button acknowledgement)
Outputs	Short circuit-proof	Short circuit-proof	Short circuit-proof
Weight	84 g	187 g	655 g
Max. output voltage (ADM/FPM)	24 V DC	24 V DC	24 V DC
Max. output current (ADM/FPM)	150 mA	150 mA	150 mA
Starting current	600 mA for approx. 40 ms	600 mA for approx. 40 ms	600 mA for approx. 40 ms
Temperature range: Storage & transport / operation	-20 – +70 °C / ±0 – +60 °C	-20 – +70 °C / ±0 – +60 °C	-20 – +70 °C / ±0 – +60 °C
Relative humidity: Storage & trans-port / operation (non-condensing)	+5 – +95 % / +15 – +85 %	+5 – +95 % / +15 – +85 %	+5 – +95 % / +15 – +85 %

3.2 Functional

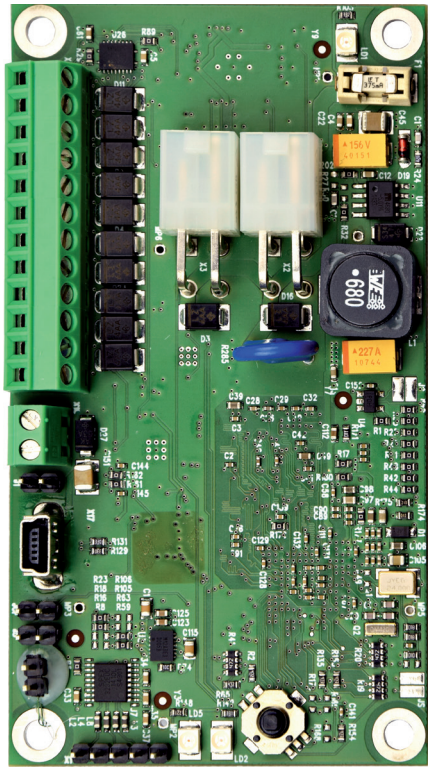
Function	TFT 45	TFT 110	TFT 210
Display	2.8 inch	5 inch	10.4 inch
Display screen	Integrated	Separate	Separate
Installation orientation	0°, 90°, 180°, 270°	0°, 90°, 180°, 270°	0°, 90°, 180°, 270°
Prog. inputs/outputs	8	8	8
Prog. inputs	2	2	2
ADM/FPM functionality	YES	YES	YES
SAM functionality	YES	YES	YES
Additional gong output	NO	YES	YES
USB support	MiniUSB	USB, MiniUSB	USB, MiniUSB
Emergency functions - Please wait / Please speak - Emergency lighting	 NO NO	 YES YES	 YES YES
Design support - Onboard design - Custom design	 YES YES	 YES YES	 YES YES
- Application area	Car/landing indicator	Car/landing indicator (can also be used as a replacement for EAZ-LCD/VFD)	Car/landing indicator

3.3 Pin assignment

3.3.1 Terminal assignment – EAZ TFT.45



Schematic diagram – rear view



EAZ TFT.45, rear view

Fuse	
F1	T 375 mA

LED	
LD1	Fuse (red)
LD2	Service (yellow)
LD5	Power (green)

X2 / X3: LON / 24 volt supply	
Pin 1	LON data A
Pin 2	LON data B
Pin 3	+24 V
Pin 4	GND

X4: I/O pins	
Pin 1	+24 V
Pin 2	I/O
Pin 3	I/O
Pin 4	I/O
Pin 5	I/O
Pin 6	I/O
Pin 7	I/O
Pin 8	I
Pin 9	I
Pin 10	GND
Pin 11	I/O
Pin 12	I/O

X17: Mini USB	
Pin 1	+5 V
Pin 2	Data -
Pin 3	Data +
Pin 4	ID
Pin 5	GND

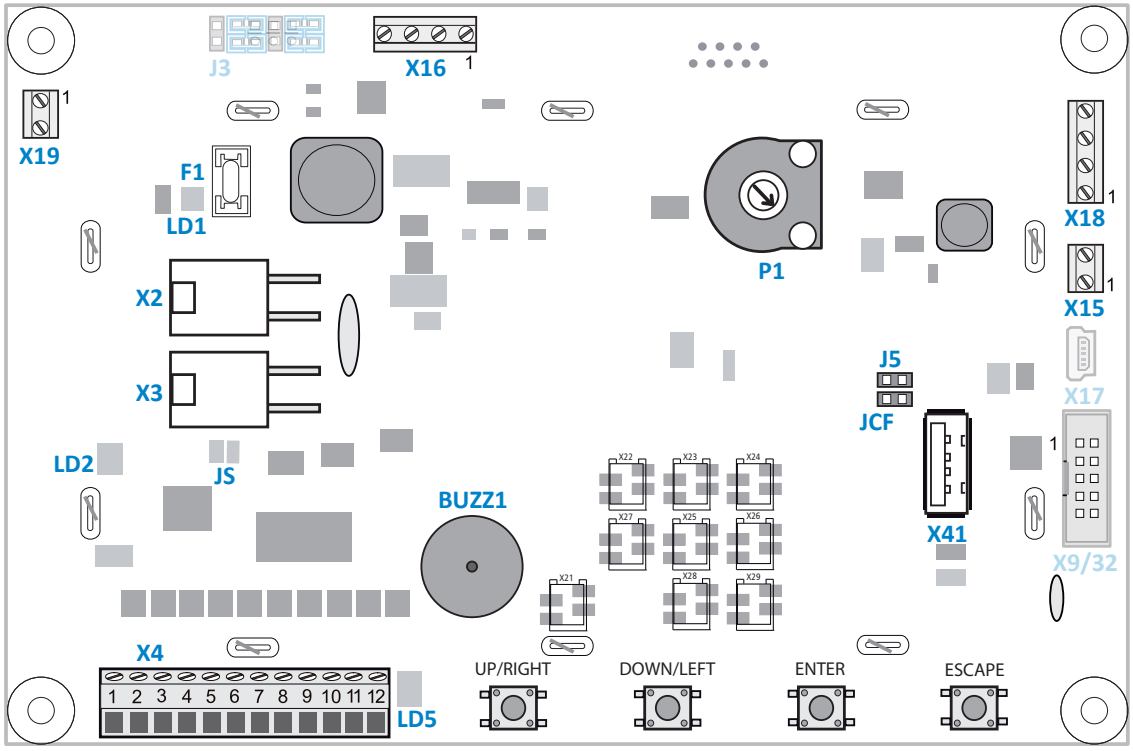
X18: Speaker 1	
Pin 1	Channel + (speaker 1)
Pin 2	Channel - (speaker 1)

J1: Speaker 2	
Pin 1	Optional: Channel + (speaker 2)
Pin 2	Optional: Channel - (speaker 2)

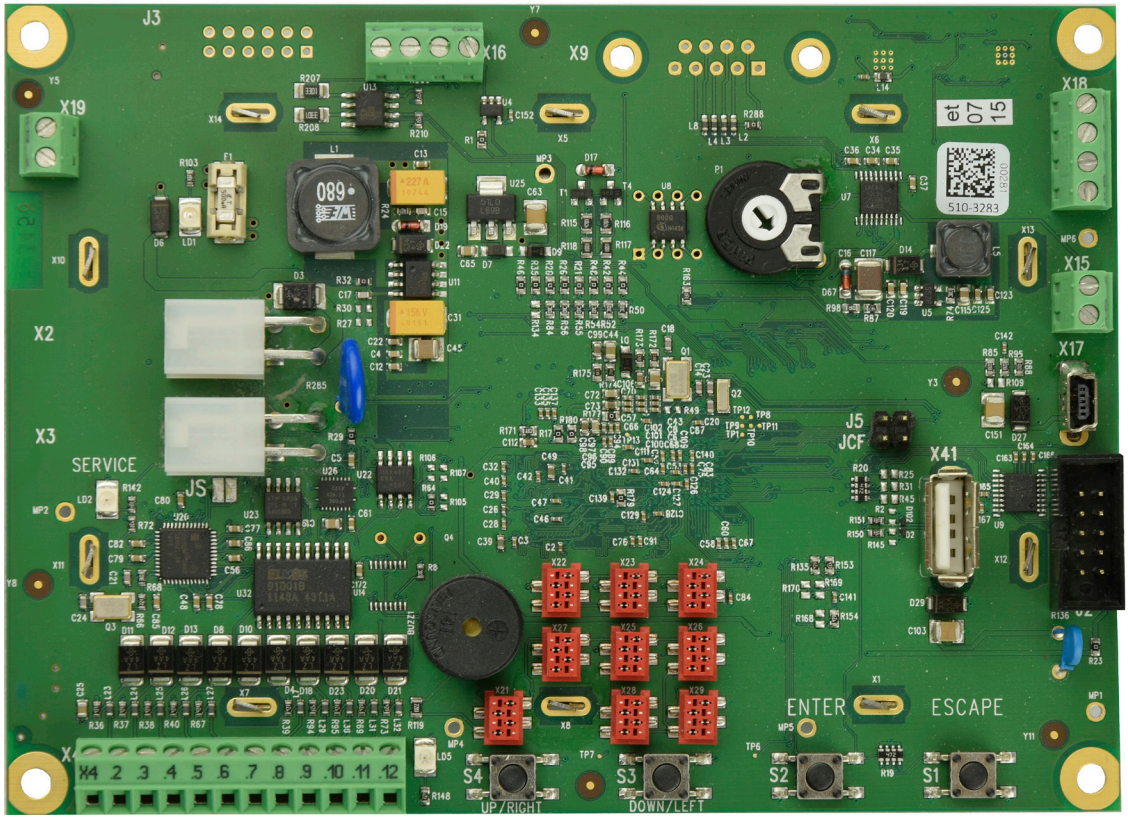
J5: Boot mode (NEW *LIFT* internal)	
Open	Normal operation
Plugged	Programming operation

JCF: Function test (NEW *LIFT* internal)	
Open	Normal operation
Plugged	Programming operation

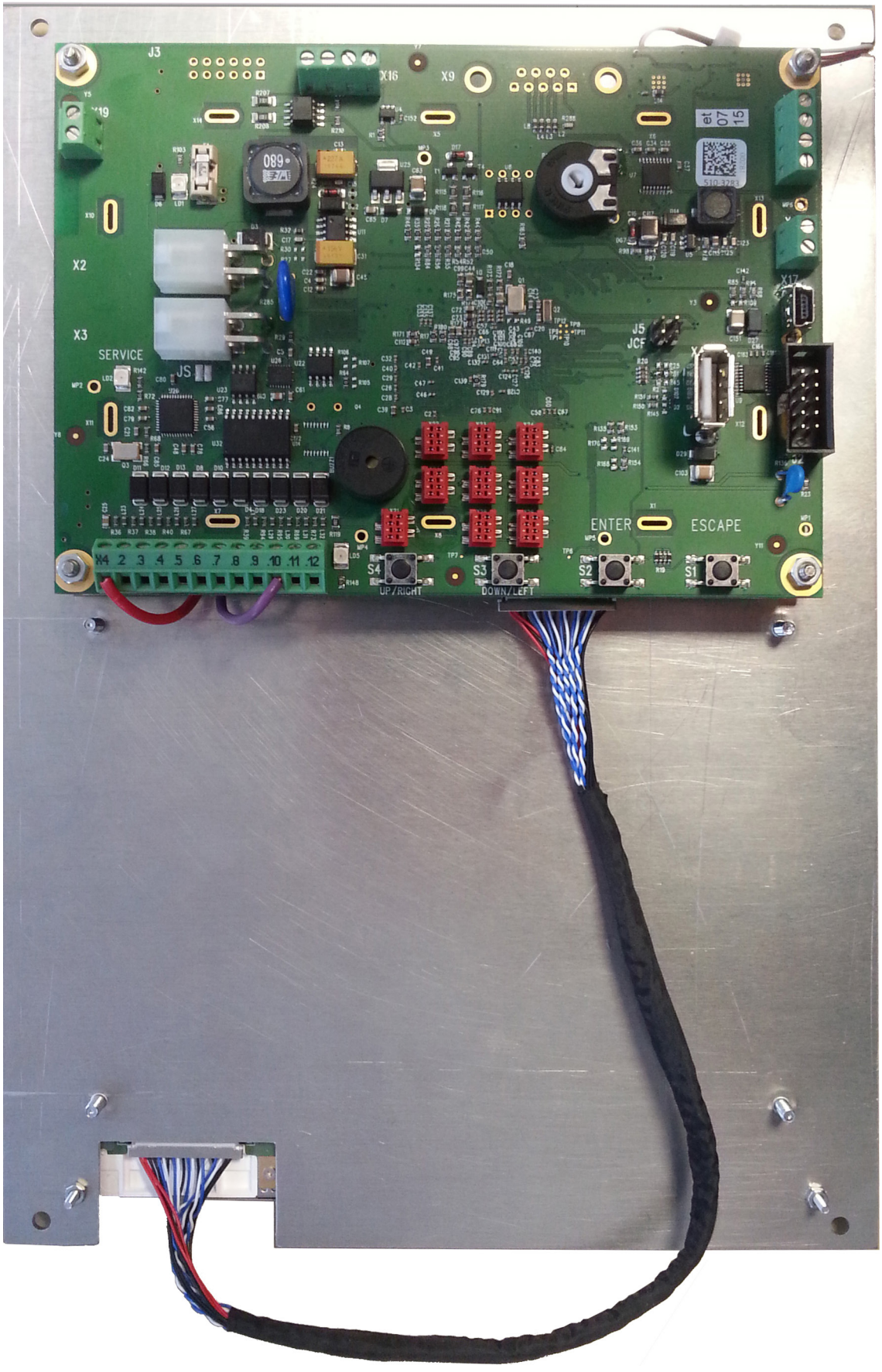
3.3.2 Terminal assignment – EAZ TFT.110 and TFT.210



Schematic diagram – EAZ TFT.110 and TFT.210, rear view



EAZ-TFT.110 and EAZ TFT.210, rear view (HW version 2.2x and higher)



EAZ-TFT.210, rear view

Fuse	
F1	500 mA (LD1 illuminates if tripped)

LED	
LD1	Fuse (red)
LD2	Service (yellow)
LD5	Power (green)

X2 / X3: LON / 24 volt supply	
Pin 1	LON data In
Pin 2	LON data Out
Pin 3	+24 V
Pin 4	GND

X4: I/O pins	
Pin 1	+24 V
Pin 2	I/O
Pin 3	I/O
Pin 4	I/O
Pin 5	I/O
Pin 6	I/O
Pin 7	I/O
Pin 8	I
Pin 9	I
Pin 10	GND
Pin 11	I/O
Pin 12	I/O

X15: Gong / loudspeaker connection	
Pin 1	Loudsp. + (8 ohm)
Pin 2	Loudsp. + (8 ohm)

X16: Emergency functions (inputs)		
Pin 1	"Please wait"	+ 12-24 V
Pin 2	"Please wait"	-
Pin 3	"Please speak"	+ 12-24 V
Pin 4	"Please speak"	-

Change regarding jumpers!

The following applies up to and including HW version 2.2: Jumpers are present.
The following applies for higher HW versions: Jumpers are no longer present.

X17: Mini USB port (NEW *LIFT* internal)	
Pin 1	+5 V
Pin 2	Data -
Pin 3	Data +
Pin 4	ID
Pin 5	GND

X18: Loudspeaker 1/2	
Pin 1	Channel 1 loud sp. + (8 ohm)

X18: Loudspeaker 1/2	
Pin 2	Channel 1 loud sp. – (8 ohm)
Pin 3	Opt.: channel 2 loudsp. + (8 ohm)
Pin 4	Opt: channel 2 loudsp. – (8 ohm)

J5: Boot mode (NEW *LIFT* internal)	
Open	Normal operation
Plugged	Programming operation

JCF: Function test (NEW *LIFT* internal)	
Open	Normal operation
Plugged	Programming operation

X19: Emergency power supply (HSG)	
Pin 1	+24 V
Pin 2	GND

X41: USB 2.0 connection	
Pin 1	+5 V
Pin 2	Data -
Pin 3	Data +
Pin 4	GND

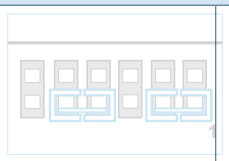
I/O pins (MicroMatch)			
	Pin 1	Pin 2/3	Pin 4
X21	Enable (X4.11)	I/O (X4.12)	+24 V
X22	Enable (X4.11)	I/O (X4.2)	+24 V
X23	Enable (X4.11)	I/O (X4.3)	+24 V
X24	Enable (X4.11)	I/O (X4.4)	+24 V
X25	Enable (X4.11)	I/O (X4.5)	+24 V
X26	Enable (X4.11)	I/O (X4.6)	+24 V
X27	Enable (X4.11)	I/O (X4.7)	+24 V
X28	GND	I/O (X4.8)	+24 V
X29	GND	I/O (X4.9)	+24 V

Pin 2 and pin 3 are bridged in-circuit.

The assignment is suitable for the following button modules:
Series MT42 and MA42 buttons from Schaefer.

Change regarding jumpers!

The following applies up to and including HW version 2.2: Jumpers are present.
The following applies for higher HW versions: Jumpers are no longer present.

J3: Mode for "Please wait" / "Please speak"	
 1-3 / 7-9	"Please wait" (low active)
3-5 / 9-11	"Please wait" (high active)
2-4 / 8-10	"Please speak" (low active)
4-6 / 10-12	"Please speak" (high active)

J5: Boot mode (NEW *LIFT* internal)	
Open	Normal operation
Plugged	Programming operation

JCF: Function test (NEW *LIFT* internal)	
Open	Normal operation
Plugged	Function test

3.3.3 I/O pin settings

The I/O pins can be set a) via the LON Module Center or b) via the FST.

For further information, please contact the NEW LIFT service line!

3.3.4 Emergency functions

Please wait / Please speak

At the inputs *Please Wait* and *Please speak*, the respective signals can be fed from the emergency call unit to the TFT. As soon as the inputs are switched, the corresponding event is triggered.

The *Please speak* signal takes precedence over the *Please wait* signal.

› The following applies for the onboard design:
The display is permanently programmed. There is a larger status bar containing the *Please wait* or *Please speak* icon.

› The following applies for the custom design:
The events can be configured individually.

Emergency lighting

› The emergency lighting function is an auxiliary luminous panel which is activated in the event of a fault.

› The emergency lighting can be actuated via the bus.

› The emergency lighting is detected if:

» the bus voltage drops (the HSG supply is essential in the case of this condition) or

» if the FSM reports a car lighting fault.

4 Installation and commissioning

The EAZ-TFT may only be installed by a trained electrician.
Information on the qualifications required by the installing engineer can be found in the manual *FST Installation & Commissioning*
See „1.3 Further information“ page 6.

Electrostatic charging

› Keep the electronic assembly in its original packaging until installation to prevent damage.
› Before opening the original packaging, a static discharge must be performed!
To do this, touch a grounded piece of metal.
› During work on electronic assemblies, periodically repeat this discharge procedure!
› Equip all bus inputs/outputs not in use with a terminal resistor (terminator) to prevent malfunctions.

4.1 Unpacking

► Remove the packaging material completely.
► Peel the protective film off the display screen.

After installation, it is no longer possible to remove the protective film.

4.2 Installation

The clarity of the display depends on the viewing angle; the installation position of the display is therefore critical in achieving an optimum result.

► Determine the installation position before mounting.
► Make sure that the installation position matches the orientation of the display.

› EAZ-TFT.45 – The display is positioned symmetrically on the assembly.
› EAZ-TFT.110 – The display is not positioned symmetrically on the assembly.
› EAZ-TFT.210 – The display is not positioned symmetrically on the assembly.

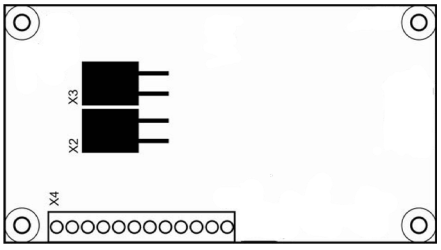
Pressure or tension can damage the circuit board.

► Do not overtighten the nuts!

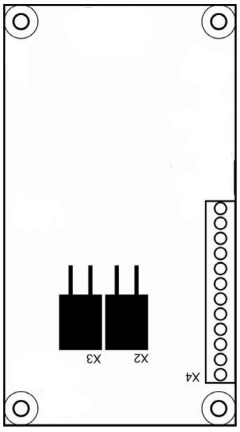
4.2.1 Installation position

Normal installation position

› Normal - Horizontal installation: The LON bus connections are located on the left.
› Normal - Vertical installation: The LON bus connections are located at the bottom.



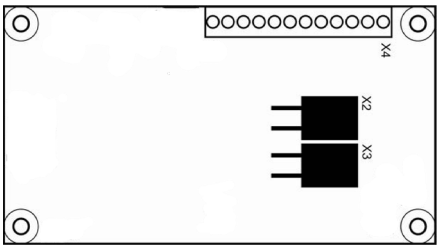
Normal – Horizontal installation



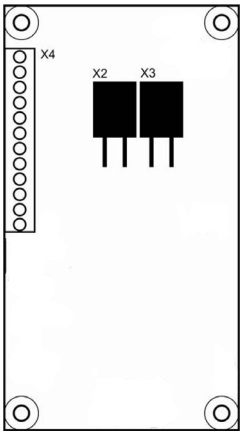
Normal – Vertical installation

Installation position rotated by 180°

› Rotated by 180° – Horizontal installation: The LON bus connections are on the right.
› Rotated by 180° – Vertical installation: The LON bus connections are at the top.



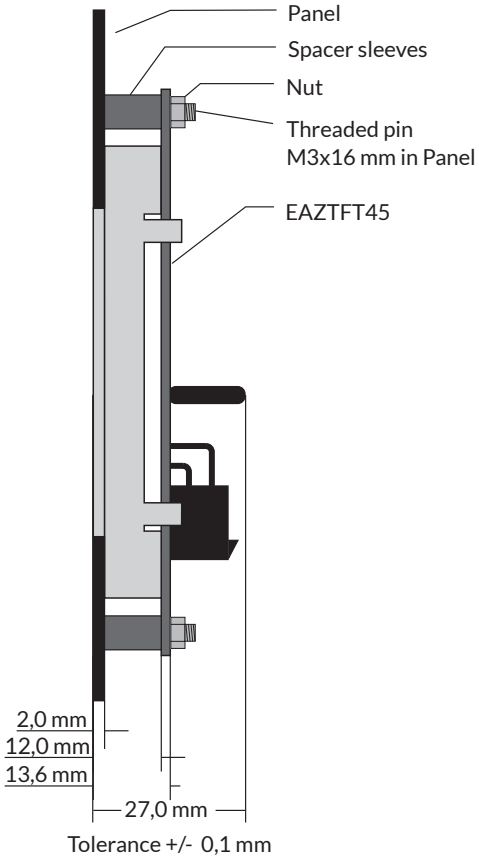
Rotated by 180° – Horizontal installation



Rotated by 180° – Vertical installation

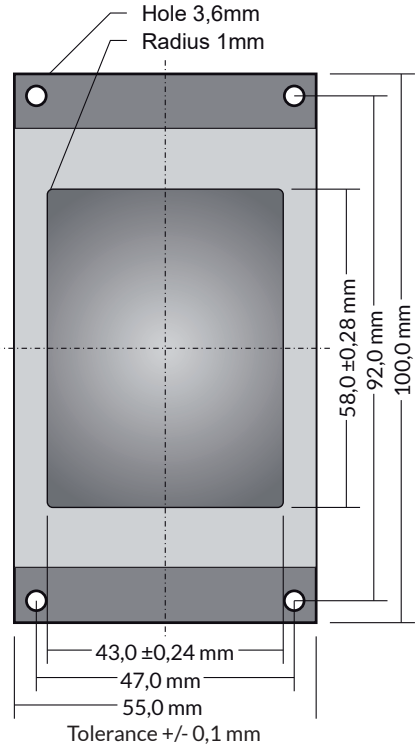
4.2.2 Installation dimensions – EAZ TFT.45

Side view (installed condition)

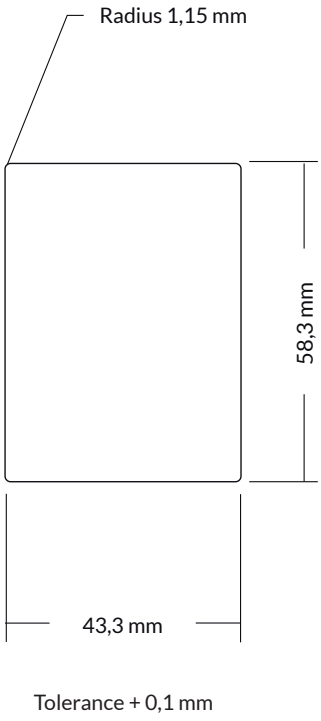


The display screen is included in the delivery contents.

Front view display screen



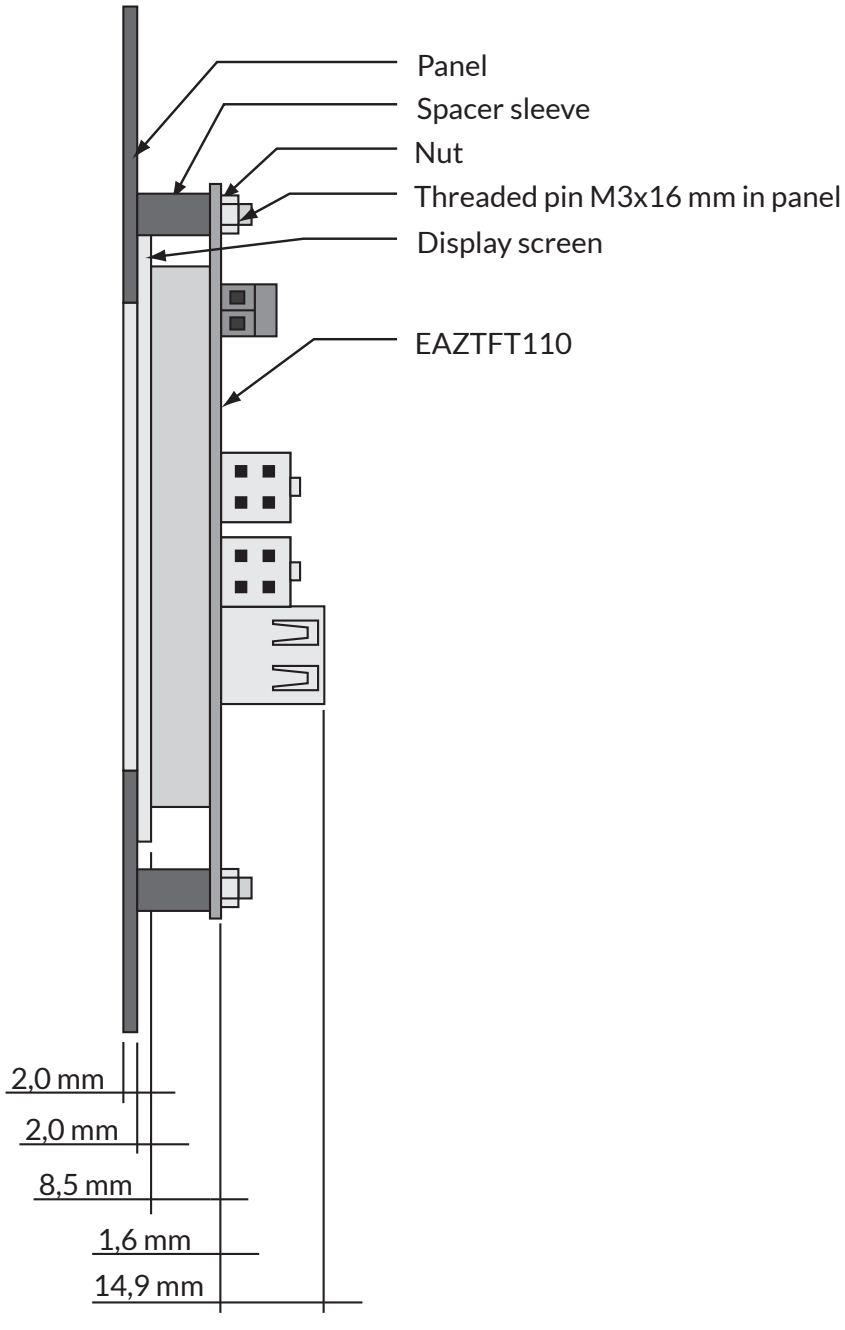
Recommended TFT display section



4.2.3 Installation dimensions – EAZ TFT.110

To allow cable installation, make sure that a gap of 5 mm to adjacent parts is provided on all four sides of the TFT.110.

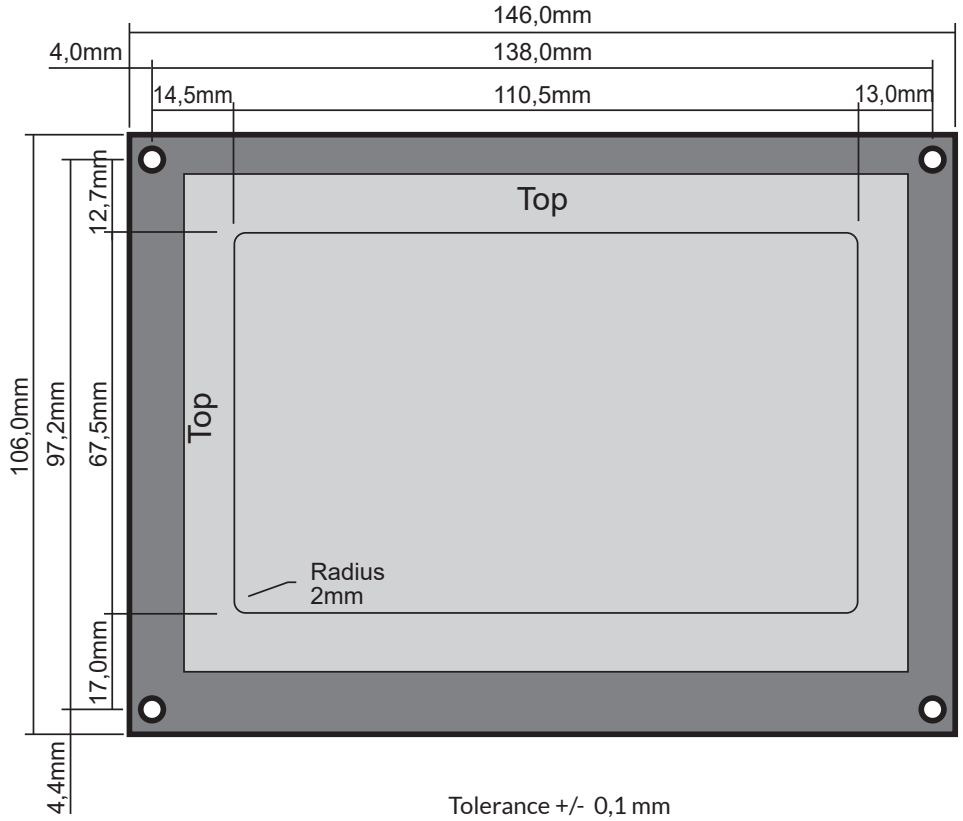
Side view (installed condition)



Installation depth: 30 mm
Tolerance +/- 0,1 mm

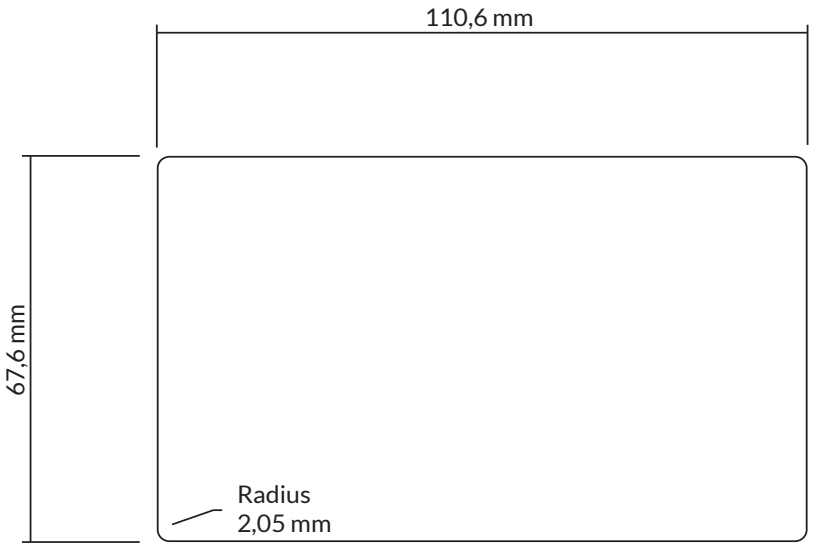
The display screen is included in the delivery contents.

Front view with display screen on top



Tolerance +/- 0,1 mm

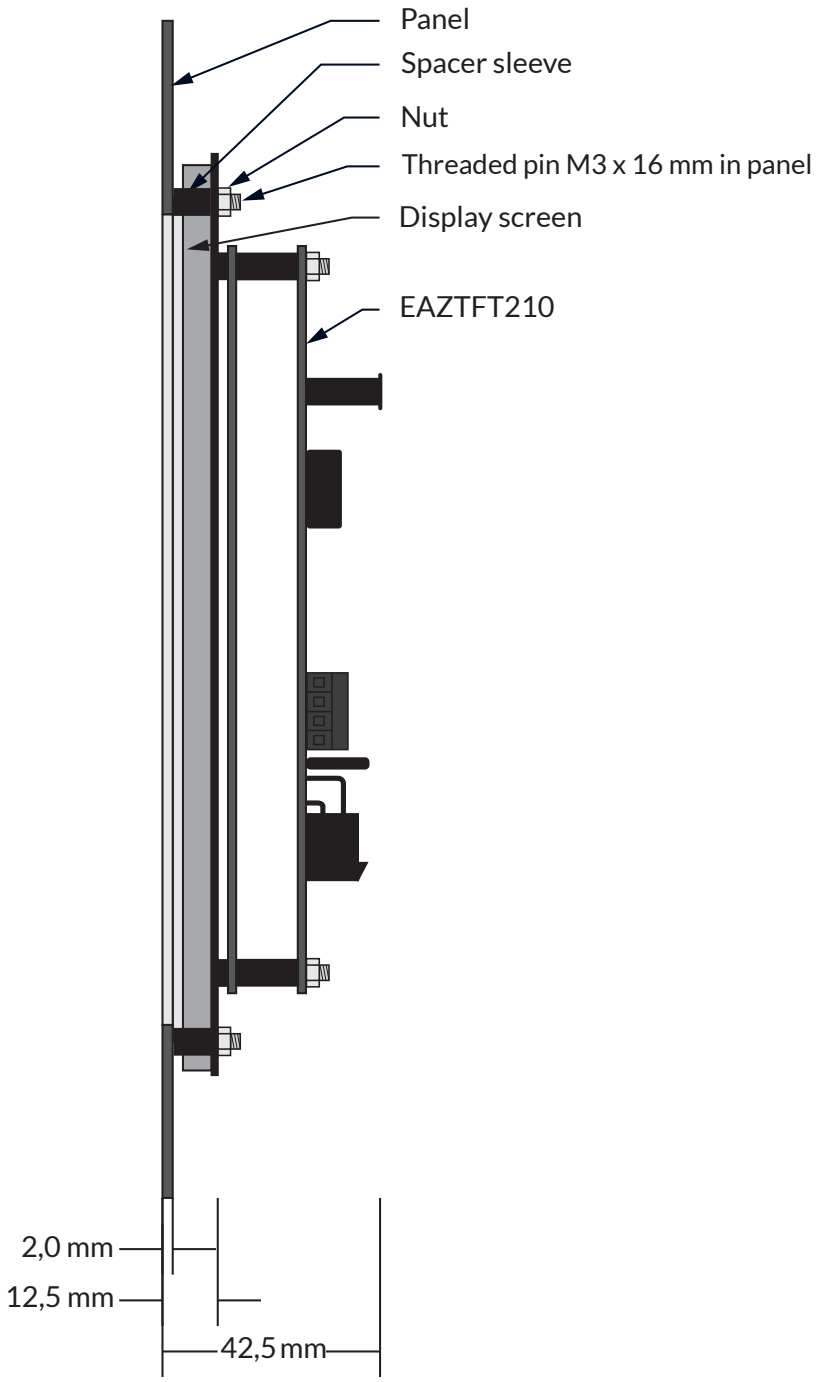
Recommended TFT display section



Tolerance + 0,1 mm

4.2.4 Installation dimensions – EAZ TFT.210

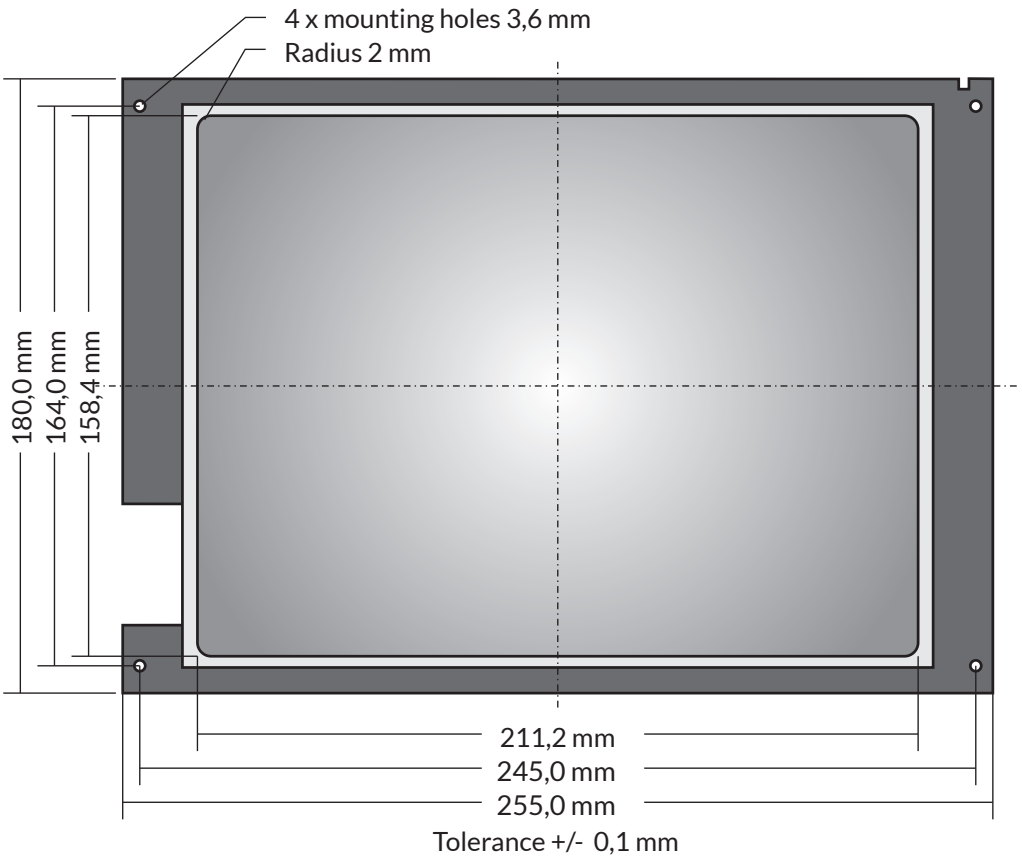
Side view (installed condition)



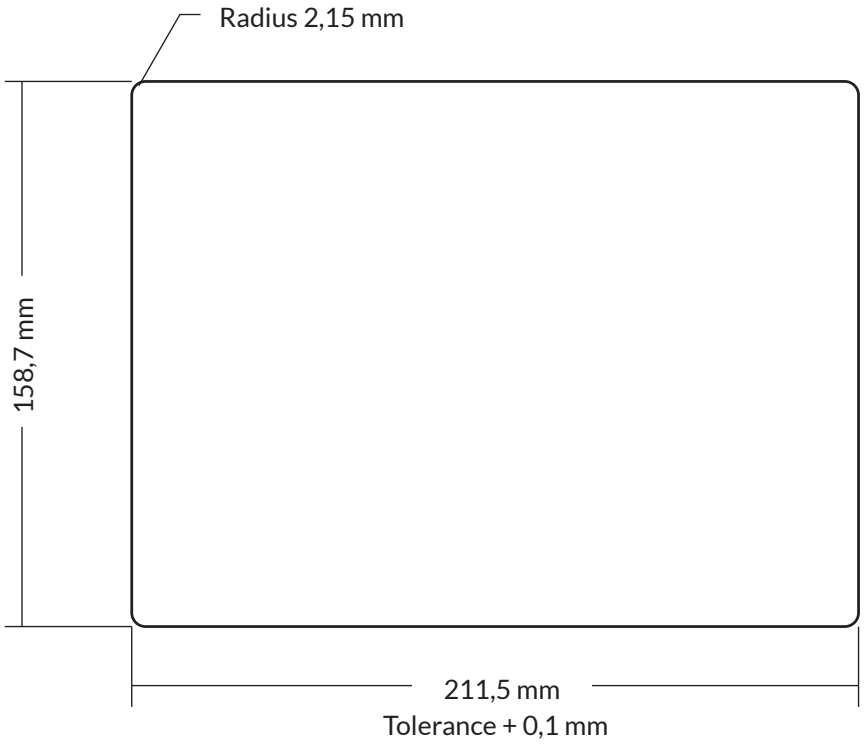
Tolerance +/- 0,1 mm

The display screen is included in the delivery contents.

Front view with display screen on top



Recommended TFT display section



5 Menu

5.1 Starting menu

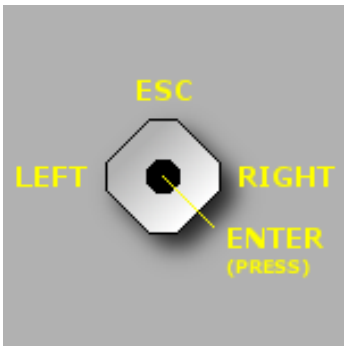
► Connect the bus cable with the LON bus of the TFT.

► Connect the bus cable to the FST.
The start screen with the NEW *LIFT* logo appears. The position indicator loads.

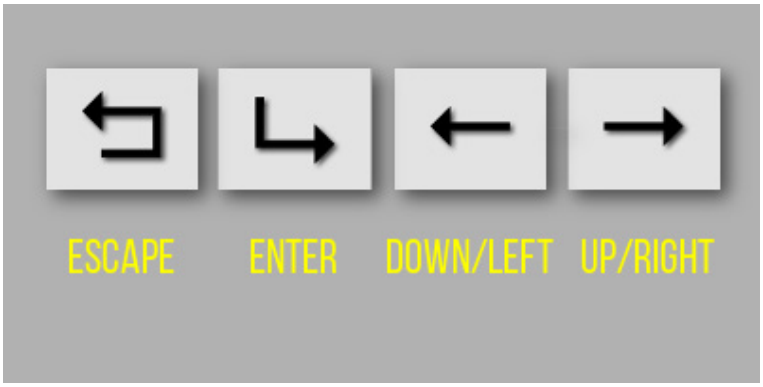
► Wait until the initial screen is fully displayed.

► On the rear of the circuit board, press any button or move the joystick to any position and hold for at least 5 seconds.
See „5.4.1 Navigation – EAZ TFT.45“ page 25
See „5.4.2 Navigation – EAZ TFT.110 and TFT.210“ page 25 or

► The menu starts with information about operation of the navigation buttons and joystick.



Info display – TFT.45

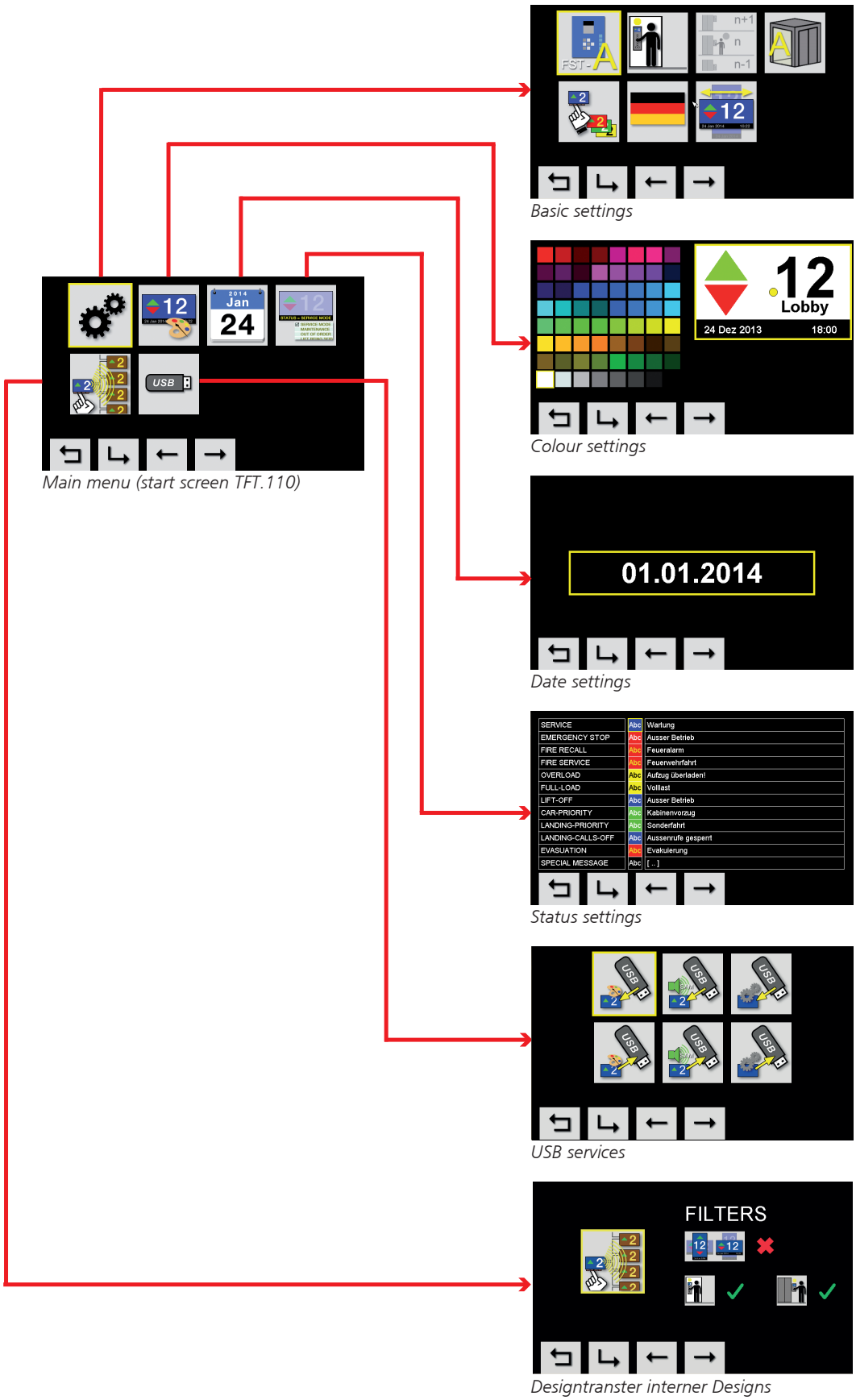


Info display – TFT.110 and TFT.210

Each info display remains visible until a button / the joystick on the rear of the circuit board is pressed / moved.

► Open the main menu by pressing any button or moving the joystick to any position.

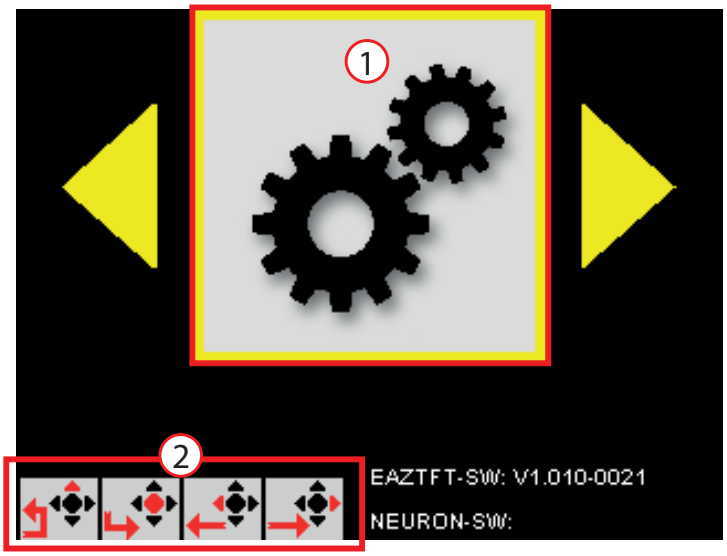
5.2 Menu structure



5.3 Start screen and main menu

5.3.1 Start screen – EAZ TFT.45

The TFT.45 starts in the main menu. The first selection icon Basic settings appears on the start screen of the TFT.45. Using the UP and DOWN joystick functions, navigate to the desired submenus.
See „5.4.1 Navigation – EAZ TFT.45“ page 25.

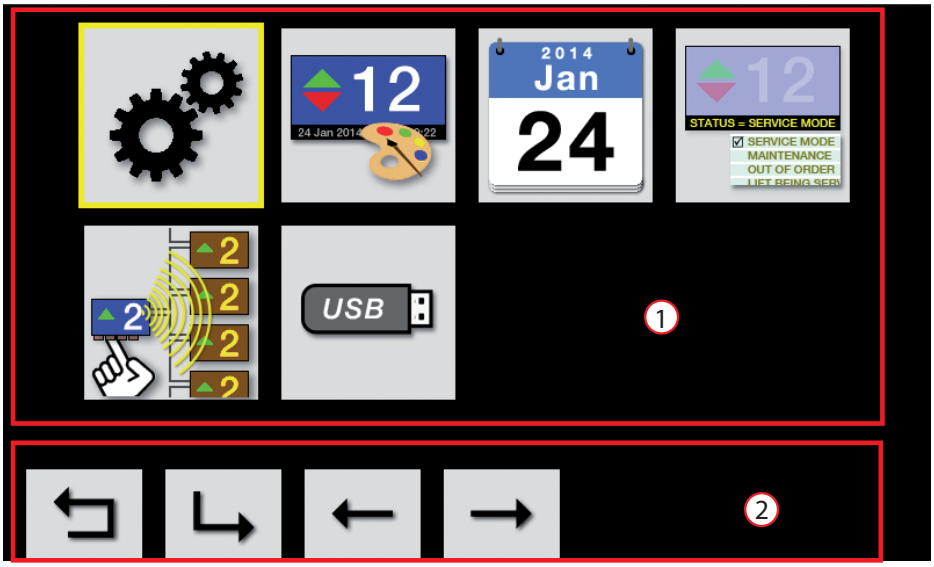


Start screen – TFT.45

1	*Basic settings* selection icon
2	Navigation display

5.3.2 Start screen – EAZ TFT.110 and TFT.210

The TFT.110 starts in the main menu. The start screen of the TFT.110 corresponds to the overview of the main menu. All icons for selecting the submenus are shown in the selection area.



Start screen – TFT.210 and TFT.110

1	Selection area
2	Navigation display

5.4 Navigation and operation

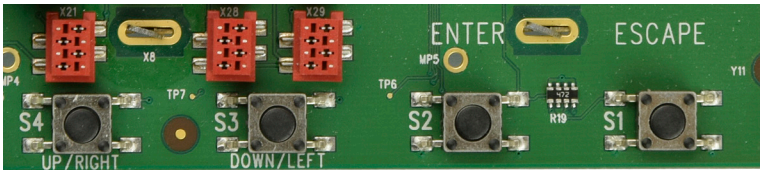
On the TFT.110 and TFT.210, the individual programming functions are selected using the navigation buttons and, on the TFT.45, using the joystick on the rear of the circuit board. The button icons in the navigation area of the display are intended as an orientation aid.

5.4.1 Navigation – EAZ TFT.45

Joystick on rear of circuit board

TFT 45	Button designation + function
	*ESC* Exit menu Move joystick upwards
	*ENTER* Confirm options Move joystick to right
	*LEFT* Navigate to previous program icon Move joystick to left
	*RIGHT* Navigate to next program icon Move joystick to right

5.4.2 Navigation – EAZ TFT.110 and TFT.210



Buttons on rear side of circuit board

TFT 110	Button designation + function
	*ESCAPE* Exit menu
	*ENTER* Confirm options
	*DOWN/LEFT* Move cursor left / down
	*UP/RIGHT* Move cursor right / up

5.4.3 Selecting menu item

A selected menu item is indicated by a flashing, yellow frame.

► Use the navigation buttons / joy stick positions to move the yellow frame through the menu items.

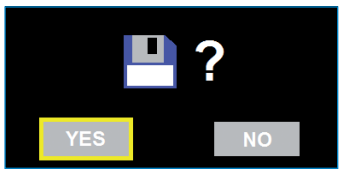
Yellow frame

► Press **ENTER** to confirm your selection.
The selected submenu is opened.

5.4.4 Saving and rejecting settings

► Navigate to the desired setting and press **ENTER**.
The yellow frame stops flashing.

► Press **ESCAPE**.
The following query window appears:



Save query

Saving settings

YES is preselected.

► Press **ENTER** to confirm the entry.
The TFT automatically returns to the parent menu.

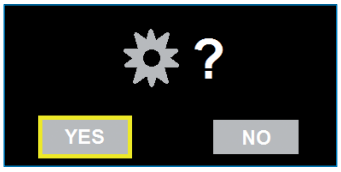
Cancelling settings

► Navigate to **NO**.

► Press **ENTER** to cancel the settings.
The TFT automatically returns to the parent menu.

5.4.5 Confirming and cancelling action

With certain actions, the program requires confirmation of the action.
In this case, the following query window appears:



Action query

Confirming action

YES is preselected.

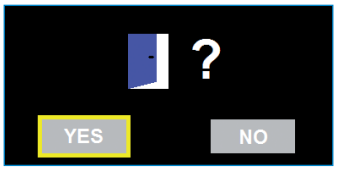
► Press **ENTER** to confirm the action.
The TFT executes the action.

Cancelling action

- ▶ Navigate to **NO**.
- ▶ Press **ENTER** to cancel the action.
  The TFT automatically returns to the calling menu.

5.4.6 Exiting main menu

- ▶ In the main menu, press **ESCAPE** to exit the onboard menu.
  The following query window appears:



Main menu query

Exiting main menu

YES is preselected.

- ▶ Press **ENTER** to confirm the entry.
  The TFT loads and then switches to display mode.

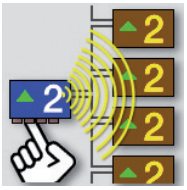
Not exiting main menu

- ▶ Navigate to **NO**.
- ▶ Press **ENTER** to remain in the main menu.
  The TFT automatically returns to the main menu.

5.5 Submenus

5.5.1 Overview of submenus

You can make settings in the following submenus:

Menu item/icon	Function
	**Basic settings** Set FST ID, car/landing display, internal design/EAZ*Designer* design, language and orientation.
	**Colour settings** Set text colours, arrow colours and background colours.
	**Date settings** Set date format.
	**Status settings** Set status texts and status contrasts.
	**Design transfer of internal designs** Transfer OnBoard designs (internal designs can only be transferred with OnBoard designs).
	**USB services** Perform system update, system backup, design upload and download (EAZ designs).

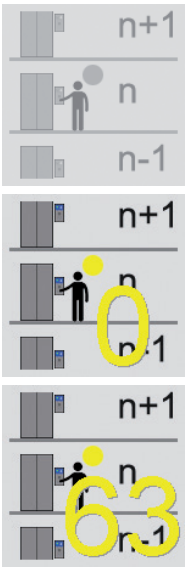
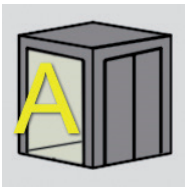
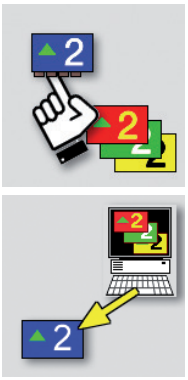
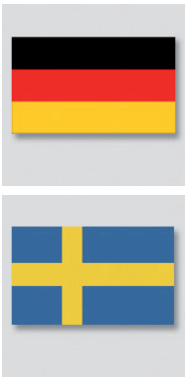
5.5.2 Basic settings

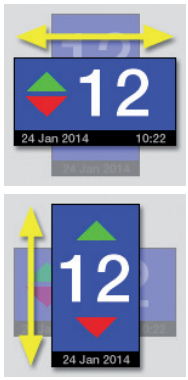
► In the main menu, select the *Basic settings* icon.
The *Basic settings* window opens.

Basic settings

Basic settings overview

Menu item	Function
 	**Setting FST ID** ► Assign the display to the respective lift in this menu. The FST ID determines which bus the indicator belongs to. FST A is set by default. Changes only need to be made in group mode.
 	**Setting display location** ► Determine whether the indicator is a landing (exterior) indicator or a car (interior) indicator. This setting is necessary because different status displays are possible for the two indicator types (e.g. overload is not shown on landing indicators).

Menu item	Function
	**Setting floor number** ▶ Set the floor number in this menu. You use the floor number to assign a floor to the specific indicator so that departure arrows are then shown correctly when landing calls are made. Floor numbers from 0 to 63 are supported. The floor numbers are only required for landing (exterior) indicators.
	**Setting door side** ▶ Determine the door side to which the TFT is assigned. This setting is used for filtering messages which are dependent on the door side. A distinction is made between the types "Door A", "Door B" and "Door C".
	**Setting design** ▶ Specify whether the internal design of the OnBoard designer is to be used or a design created with the EAZ*Designer* (custom design).
	**Setting language** ▶ Set the display language in this menu. Languages currently available are German, English, Russian and Swedish. The language setting affects the onboard menu language and the language of the onboard design. To change the language of your custom design (a second language must be available in the design): ▶ Open the menu of the associated FST controller. ▶ Select *Config -> EAZ configuration*. ▶ Under *LON-EAZ type*, set your indicator type. ▶ In the *LON-EAZ config* menu, set the first bit (from the left). This switches between language 1 and language 2.

Menu item	Function
	**Setting orientation** ► Choose between vertical and horizontal orientation of the display. The orientation determines how the indicator has to be mounted. The indicator can be installed both vertically and horizontally and can also be rotated by 180°. ► Make sure that this setting has been set correctly in your custom design.

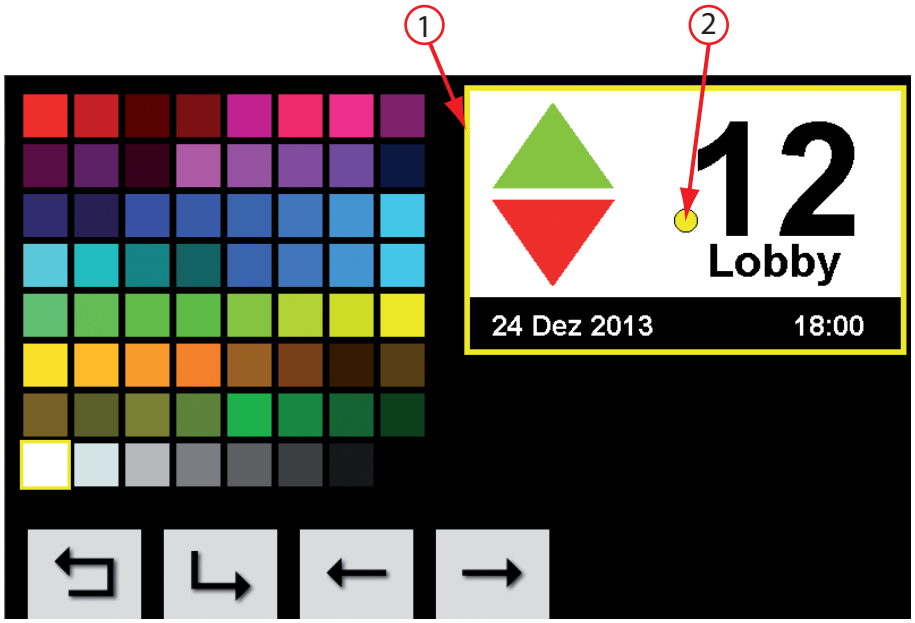
► Save your settings before you return to the parent menu
See „5.4.4 Saving and rejecting settings“ page 26.

5.5.3 Colour settings (OnBoard Designer)

The colour setting is part of the OnBoard Designer. You can use this menu to give your onboard design new colour accents.

The colour setting does not affect the custom design.

► In the main menu, select the *Colour settings* icon.
The *Colour settings* window opens.



Colour settings

1	Selection frame
2	Reference dot

Setting colours

The yellow reference dot within the marker frame indicates which element is currently selected.

► Using the navigation buttons or the joystick, move the yellow dot through the various display elements.

The display elements are cycled through from right to left in the following order:

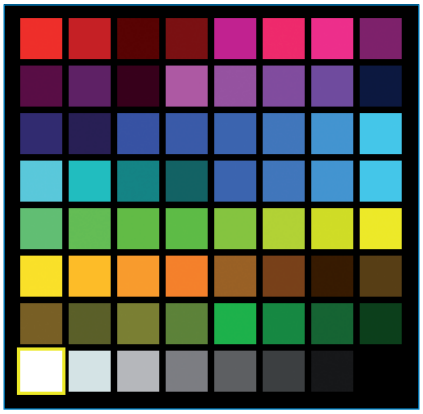
Background → Up arrow → Down arrow → Status text → Status background → Floor → Floor text

The yellow dot always marks the current element.

► Select the desired element (e.g. the UP arrow) and press **ENTER**.
The yellow frame around the display begins to flash. The square, coloured fields are enabled. You are now in edit mode for the selected element.

► Navigate through the colour fields to the desired colour and press **ENTER**.

► The yellow frame stops flashing and changes from the colour fields back to the display on the right side.



Colour fields

To edit another element:

► Using the navigation buttons or the joystick, move the yellow point to the desired display element and repeat the colour selection procedure.

► Save your settings before you return to the parent menu
See „5.4.4 Saving and rejecting settings“ page 26.

5.5.4 Date settings (OnBoard Designer)

The date setting is part of the OnBoard Designer. Using this menu, you can set various date displays for your onboard design.

The date setting does not affect the custom design.

► In the main menu, select the *Date settings* icon.
The *Date settings* window opens.

Date settings

Setting date format

► Press **ENTER** to activate edit mode
The yellow frame begins to flash.

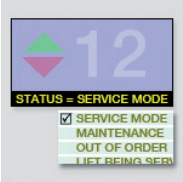
Date formats

► Select one of the three display formats and press **ENTER**.
► Save your settings before you return to the parent menu
See „5.4.4 Saving and rejecting settings“ page 26.

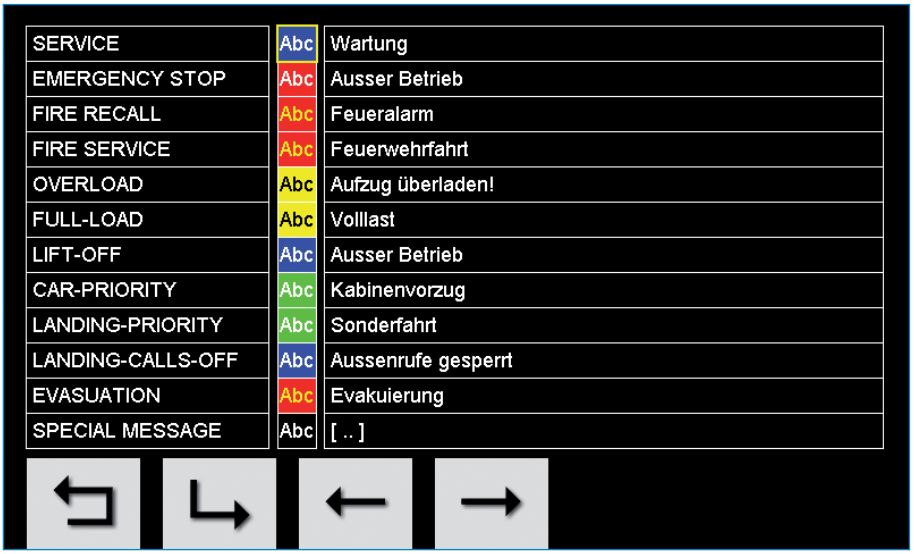
5.5.5 Status settings (OnBoard Designer)

The status setting is part of the OnBoard Designer. Using this menu, you can change the appearance of your onboard design as well as the text of your status messages. For this purpose, the texts are made available in a selection list.

The status setting does not affect the custom design.



► In the main menu, select the *Status settings* icon.
The *Status settings* window opens.



Status settings

Editing status settings

For all existing status texts, you can select both defined colour combinations as well as from a series of different status designations.

► Using the navigation buttons or the joystick, move the yellow frame through the various status elements.

The status elements are cycled through from right to left in the following order:
Colour combination → Status text → Next line

The yellow frame always marks the current element.

► Select the desired element and press **ENTER** to activate edit mode
The yellow frame begins to flash.
► Navigate through the various colour combinations and different status texts.
► Select the desired setting and press **ENTER**.
The yellow frame stops flashing.
► Repeat the procedure for all other elements.
► Save your settings before you return to the parent menu
See „5.4.4 Saving and rejecting settings“ page 26.

5.5.6 Design transfer of internal designs (OnBoard designer)

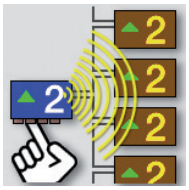
The design transfer is part of the OnBoard Designer. Using this menu, you can transfer your onboard design to other TFTs in the network.

Onboard designs can only be transferred within one FST bus assignment. (In other words, it is not possible to transfer a TFT within the FST A network to TFTs within the FST B network.)

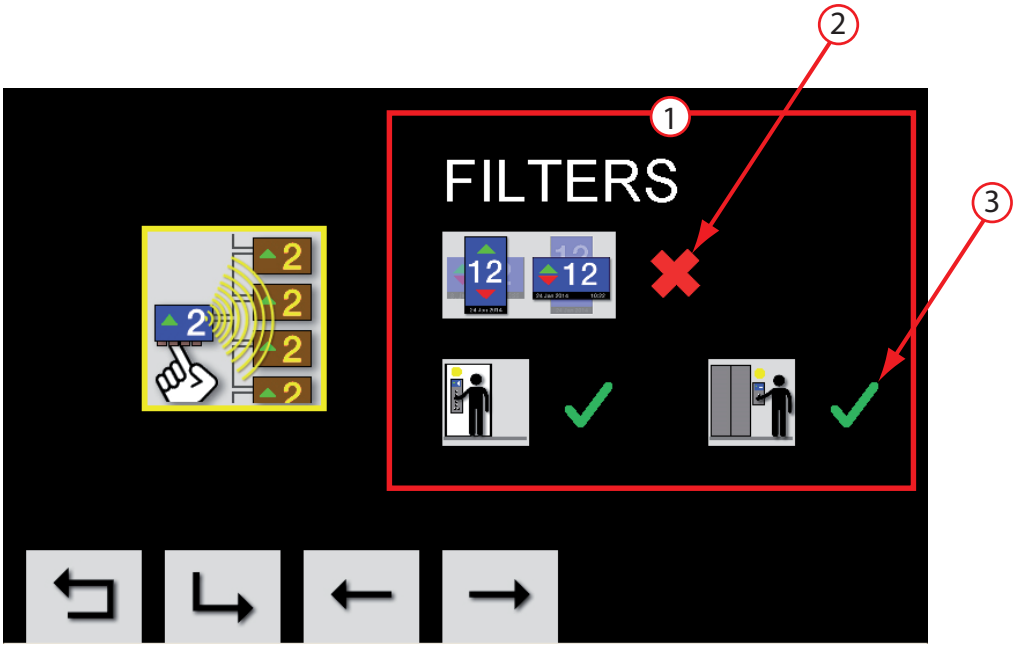
Every indicator must be unambiguously identifiable within an FST network (combination of FST ID, floor number, display location and door side).

Transfer between the different TFT variants (e.g. EAZ-TFT.110 and EAZ-TFT.45) is not possible.

Data loss!
Make sure that the power supply is not interrupted during data transfer.



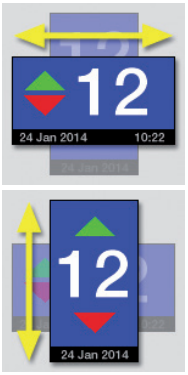
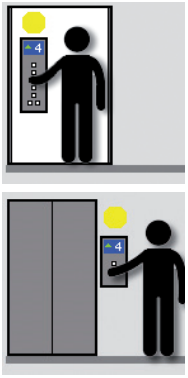
► In the main menu, select the *Design transfer* icon.
The *Design transfer* window opens.



Design transfer

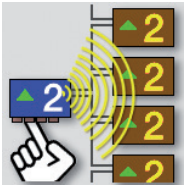
1	Filter selection area
2	Filter deactivated
3	Filter activated

Overview of filter settings

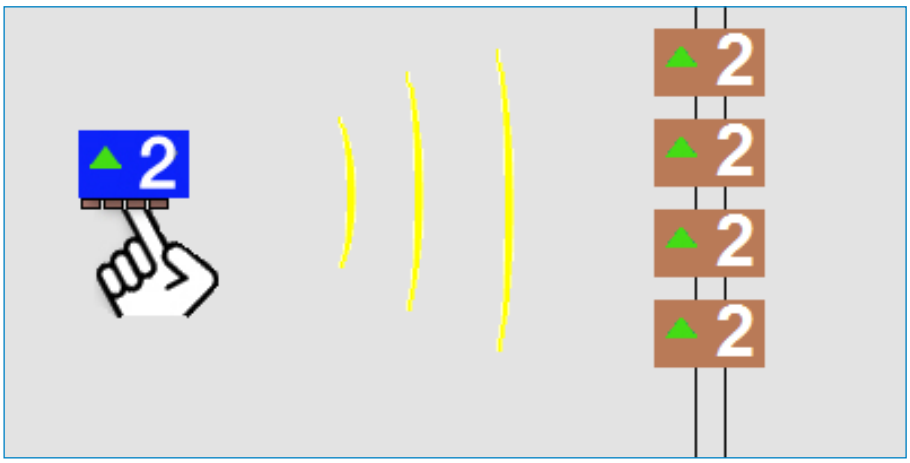
	***Orientation* filter** ► Select the *Orientation* filter in order to transfer or suppress the installation orientation. This filter is important if the TFTs have been installed differently. Filter active: The orientation is transferred together with the data transfer. Filter not active: The orientation is not transferred together with the data transfer.
	***Determine recipient* filter** ► Determine the recipient by activating the corresponding filter. TFT groups (landing/car indicators) can be included or excluded by activating and deactivating the filter. Filter active: The selection is transferred together with the data transfer. Filter not active: The selection is not transferred together with the data transfer.

► Save your settings before you return to the parent menu
See „5.4.4 Saving and rejecting settings“ page 26.

Exporting internal designs



► In the *Design transfer* window, navigate to the *Design transfer* icon.
► Press **ENTER** to confirm your selection.
► Confirm the action to start the data transfer.
See „Confirming action“ page 26
The *Transmission* window is displayed on the screen:



Transmission

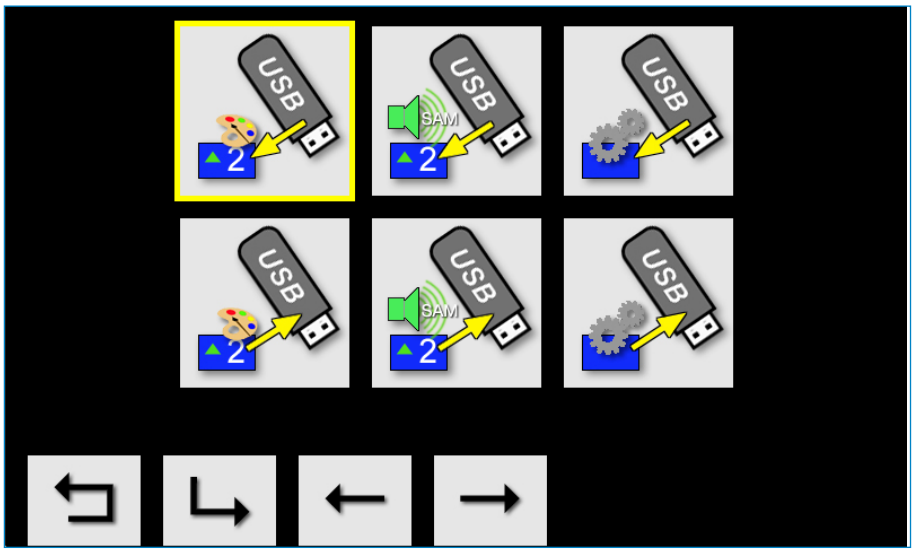
The design is being transferred to all other TFT indicators in the network. This procedure may take a moment.

► Upon completion of the design transfer, check whether all TFT indicators have been updated with the new design.

5.5.7 USB services

Several functions for data backup and data import/export are available.

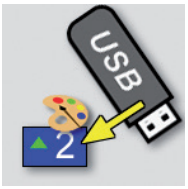
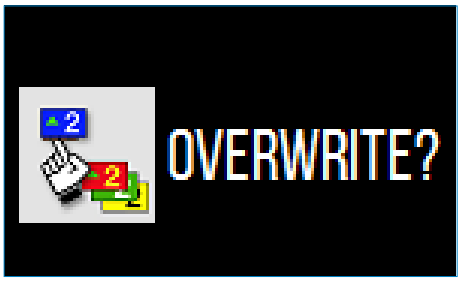
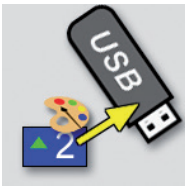
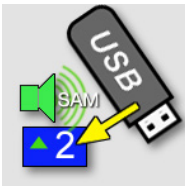
► In the main menu, select the *USB services* icon.
The *USB services* window opens.

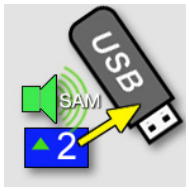
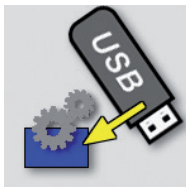
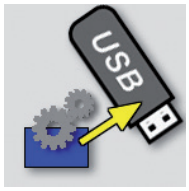


USB services

Data loss!
Make sure that the power supply is not interrupted and the USB stick is not removed during data transfer.

Overview of USB services

	**Design import** This option is used to import onboard designs and custom designs from a USB stick to the TFT. ▶ You can create your custom design using the software *EAZ Designer*. *See the EAZ Designer manual.* ▶ Before importing, check that the design has the correct resolution, orientation and so on. ▶ If necessary, create the directory *designs* on the USB stick. ▶ If necessary, create the subdirectories *int* and *eaz* in the *designs* directory. • Onboard designs must be stored in the *int* subdirectories. • Custom designs must be stored in the *eaz* subdirectories. ▶ Confirm the action to start the data transfer. *See „Confirming action“ page 26* • If YES is selected, the designs (onboard and custom design) of the TFT are overwritten with the data from the USB stick. The overwrite query is intended to prevent the onboard design from being overwritten.  • If NO is selected, only the custom design of the TFT is overwritten with the data from the USB stick.
	**Design export** This option is used to export the onboard design and the custom design from a TFT to the USB stick. ▶ Make a backup of designs already on the USB stick. Any data in the *designs* directory will be overwritten. ▶ Check the available memory: • < approx. 10 MB (onboard design) • < approx. 50 MB (custom design).
	**SAM import** This option is used to import your SAM project from a USB stick to the TFT. ▶ You can create your SAM project using the *SAM Editor software*. *See SAM-Editor manual.* ▶ Before importing, check that the data has the correct resolution, orientation and so on. ▶ The SAM project structure must be stored on the USB stick. This consists of at least one directory called *CONF* and one directory called *SOUNDS*.

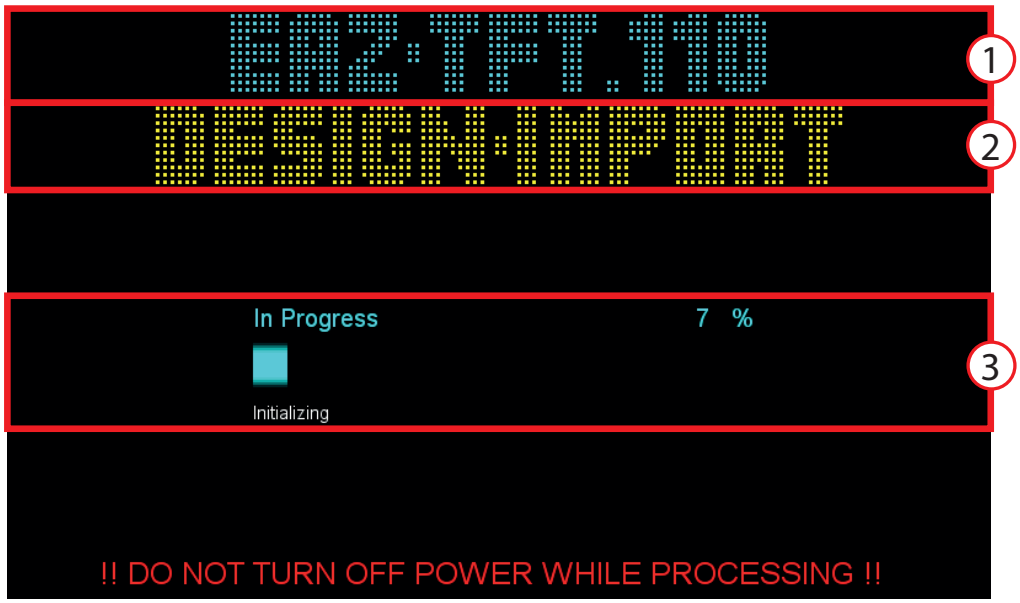
	**SAM export** This option is used to export your SAM project from a TFT to the USB stick. ► Check the available memory: < approx. 150 MB (SAM)
	**System update (firmware update)** During a firmware update, system settings are transferred from the USB stick to the TFT. All program files and the onboard design are updated. ► Download the system update. • Go to the following website: https://www.newlift.de/downloads.html *See „6 Software update“ page 42.*
	**System backup** The TFT backup copies and packs the firmware, the designs (onboard and custom design) and the SAM project to a USB stick. ► Check the available memory: < approx. 300 MB (system backup)

See „6.1 TFT software update“ page 42.

Action progress window

While an action is being executed, the program indicates the progress of the action.

► Wait until the process is 100% complete and a corresponding message is output on the screen.



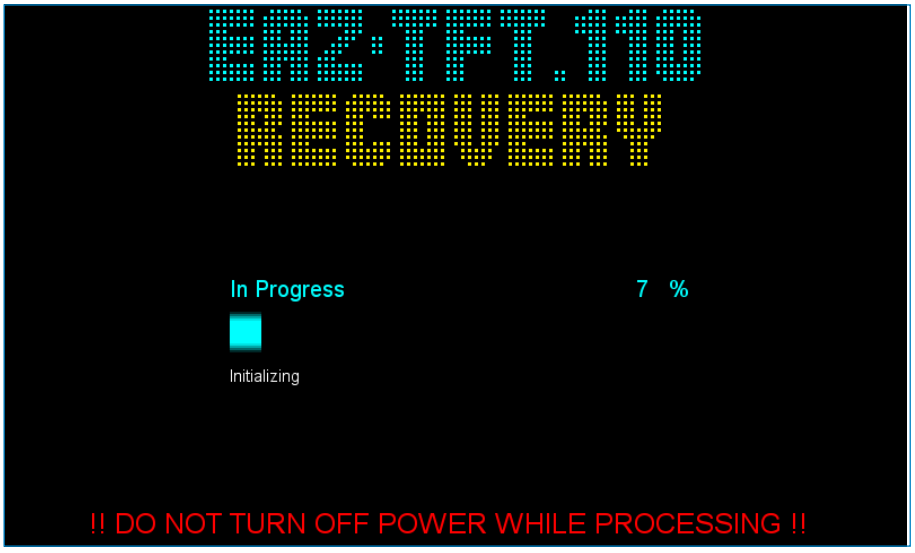
Action progress

1	EAZ type
2	Current action
3	Progress bar

Recovery window

Requirement: Recovery software (defined TFT version) must be available on the USB stick.

If a problem occurs during data transfer, the program automatically retrieves the recovery software (after a predefined number of start attempts) and starts the substitute program.



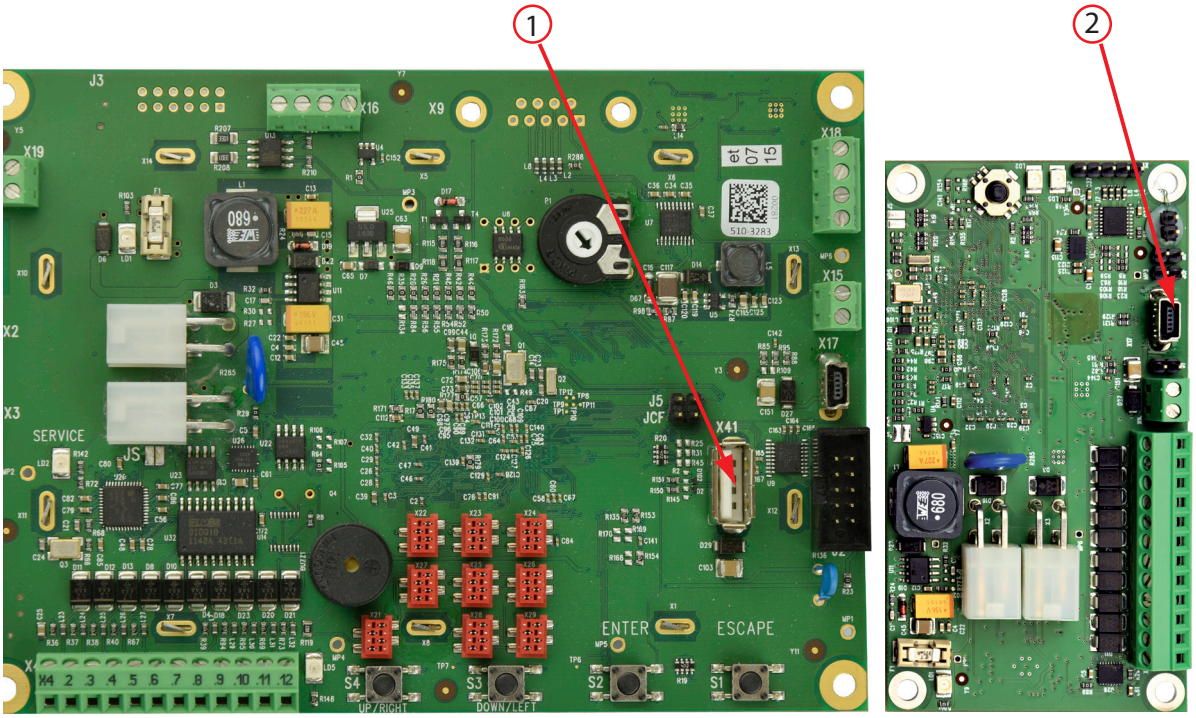
Recovery

USB ports

For the USB services, you will require a FAT-formatted USB stick (memory space < 4 GB).

The EAZ-TFT.45 additionally requires a USB-to-Mini USB adapter.

► Insert the USB stick into the USB port of the circuit board.



1	USB port on TFT.210 and TFT.110
2	Mini USB port on TFT.45

6 Software update

6.1 TFT software update

To perform an update for TFTs of i.MX-family (TFT.45, TFT.110, TFT.210).

An empty FAT-formatted USB stick and the update file as *.ZIP or *.EXE. are required.

EXE-file is self extracting when executed.

For update, greater or equal to the version 100, the Neuron version V35 is required. However, it is recommended to use the latest version of the software.

TFT-Update

› Download the EXE-file on your computer.
› Start the EXE-file on your computer and use the „Browse“ to select your USB stick.
› Then click on „Extract“ (the files will be copied to the USB stick).
› When the process is finished the USB stick is ready for use. Check if an update directory has been created.

It includes an EAZTFT-110_update_V1.010-xxxx.tar (xxxx is a version number at the same time), an Update_K4.tar and an USB_Update.exe **(only for production purposes)**

Do not change or delete a file of this directory

› Connected USB stick to the TFT and start update in the menu.

If the message „no software available“ is displayed in the menu, start update (a known bug)

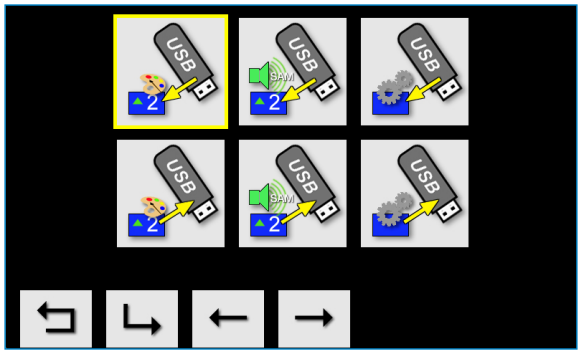
You can see the information texts on the screen.

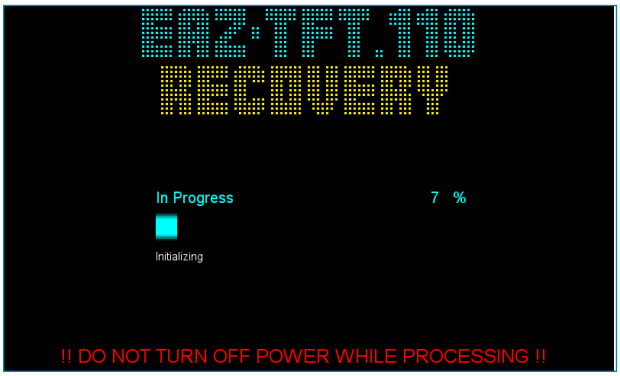
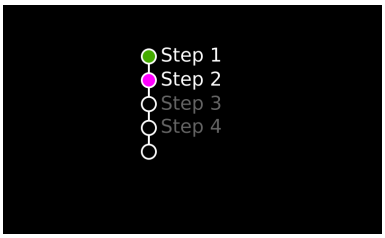
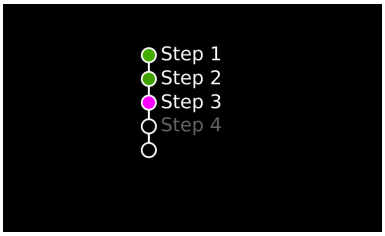
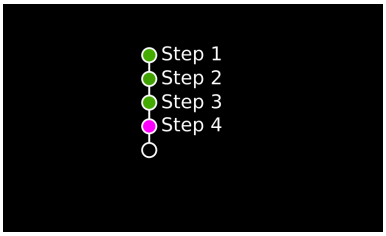
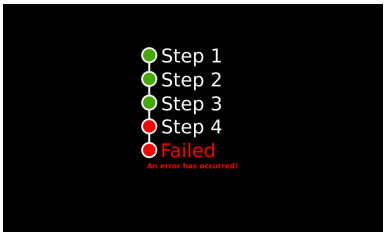
During the update the TFT is restarted several times.

The update can take up to 10 minutes (caused by backing up and restoring of the configuration files).

› Remove the USB stick or supply voltage when you will be asked.
› Check if the displayed version is correct when starting or in the menu

Update history

1	Update is started via the configuration menu	

2	The data are prepared	
3-6	The update will be installed	   
7	The update is completed.	 

6.2 Neuron update

NEW LIFT always recommends use of the newest software version. A minimum requirement for updates on higher FST versions as V100 is the neuron version V35.

► Create on an empty FAT-formatted USB stick a new folder with the name update

Pay attention to the way of writing. Use only the small letters.

► Download the newest neuron version directly from the NEW *LIFT* website https://www.newlift.de/downloads.html

► Copy LFS-File with the neuron software update on the USB stick into a directory update

► Plug USB stick at port X41 of the FST-2XT.
The message `USBStick OK` will appear briefly on the screen.

► Call up `HAUPTMENUE/System/Update LON-Module/Upd. v. USB` in the menu of the FST controller.

This menu item is displayed only with plugged USB stick.

► Select the option `Upd. v. USBStick`.

► Select `JA` to start the update.

All TFTs connected to the system are updated. After successful update appear the message `UPDATE COMPLETE! Press any key to continue.`

NOTES

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