ITALIAN STYLE FOR LIFTS

TFT900S-XXX-XXX

USER MANUAL - ENGLISH

Rev.1

DOWNLOAD (Software/Updates):

http://vegaplanner.vegalift.it/ftp/Software/SirioEditor/SirioEditor_v7.8.5.0.zip

SERIAL VEGA

DISPLAY CODE	GLASS THICKNESS
TFT900S-RC-SER-3	3 mm
TFT700S-RC-CAN-3	3 mm

SERIAL CAN OPEN

DISPLAY CODE	GLASS THICKNESS
TFT900S-RC-CI-3	3 mm

OPTIONAL CODE

DESCRIPTION	CODE
Minispox Wire for Button	**CU4.MSP-MSP.0015 (15Cm)**
	CU4.MSP-MSP.0020 (25Cm)
	CU4.MSP-MSP.0050 (50Cm)
	CU4.MSP-MSP.0090 (90Cm)
	CU4.MSP-MSP.0300 (300Cm)

Summary

1 TECHNICAL DATA

Screen	9”	
Resolution	800 (RGB) x480	
Display Area	198 mm x 111 mm	
Colors	16M	
Pixel	0.24 x 0.23 [mm^2]	
Power Supply Voltage	12÷24 Vdc±10%	
Maximum current consumption	400 mA	
Operating temperature	-5°C/+40°C	+23 F/+104 F
Micro SD card	Optional	
Images format	*.bmp, *.jpg, *.jpeg, *.png	
Life (100% brightness)	20.000 hours	
Viewing Angle	12 o’clock	
Brightness	340 cd/m^2	

2 WORKING MODE

AVAILABLE ONLY ON TFT700S-RC-SER:

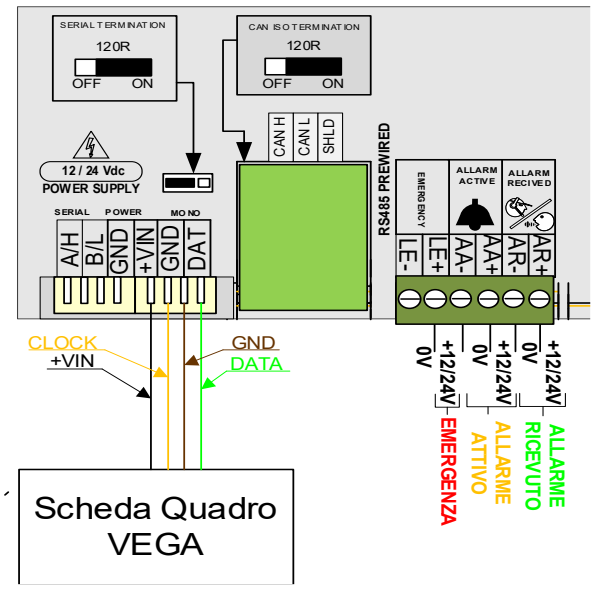
Display	Description	N°max floor (default range)
Serial V	Serial VEGA.	32 (-9,32)

AVAILABLE ONLY ON TFT700S-RC-CI:

Display	Description	Max Floor No. (default range)
CAN125, CAN250	CAN125, CAN250. Select the operating mode according to the communication protocol of the control board.	64 (-9,55)

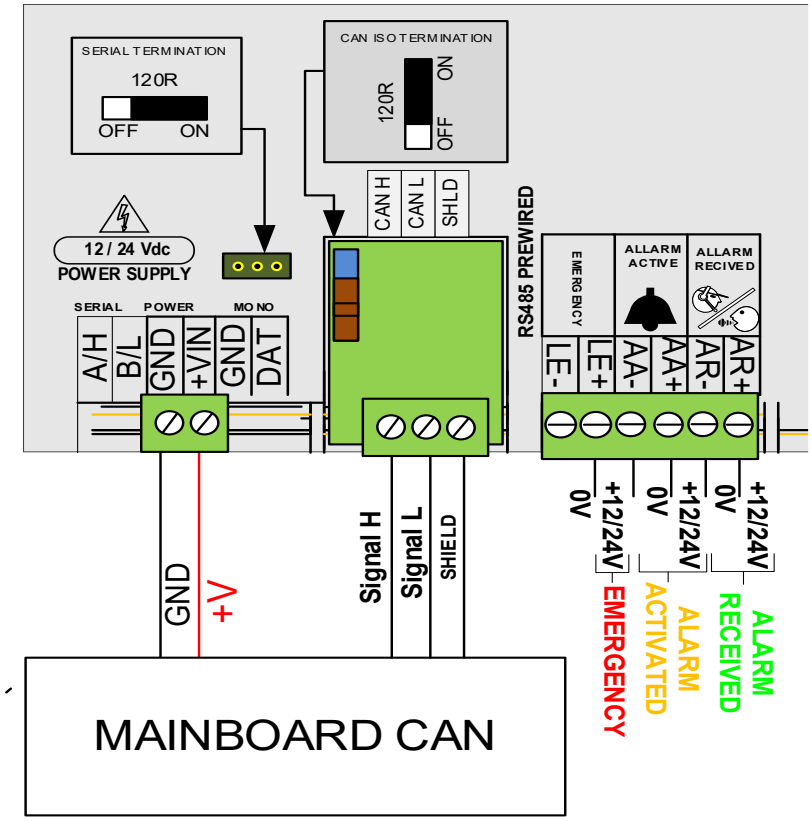
3 SERIAL WORKING MODE

3.1 SERIALE VEGA (only on TFT900S-RC-SER)



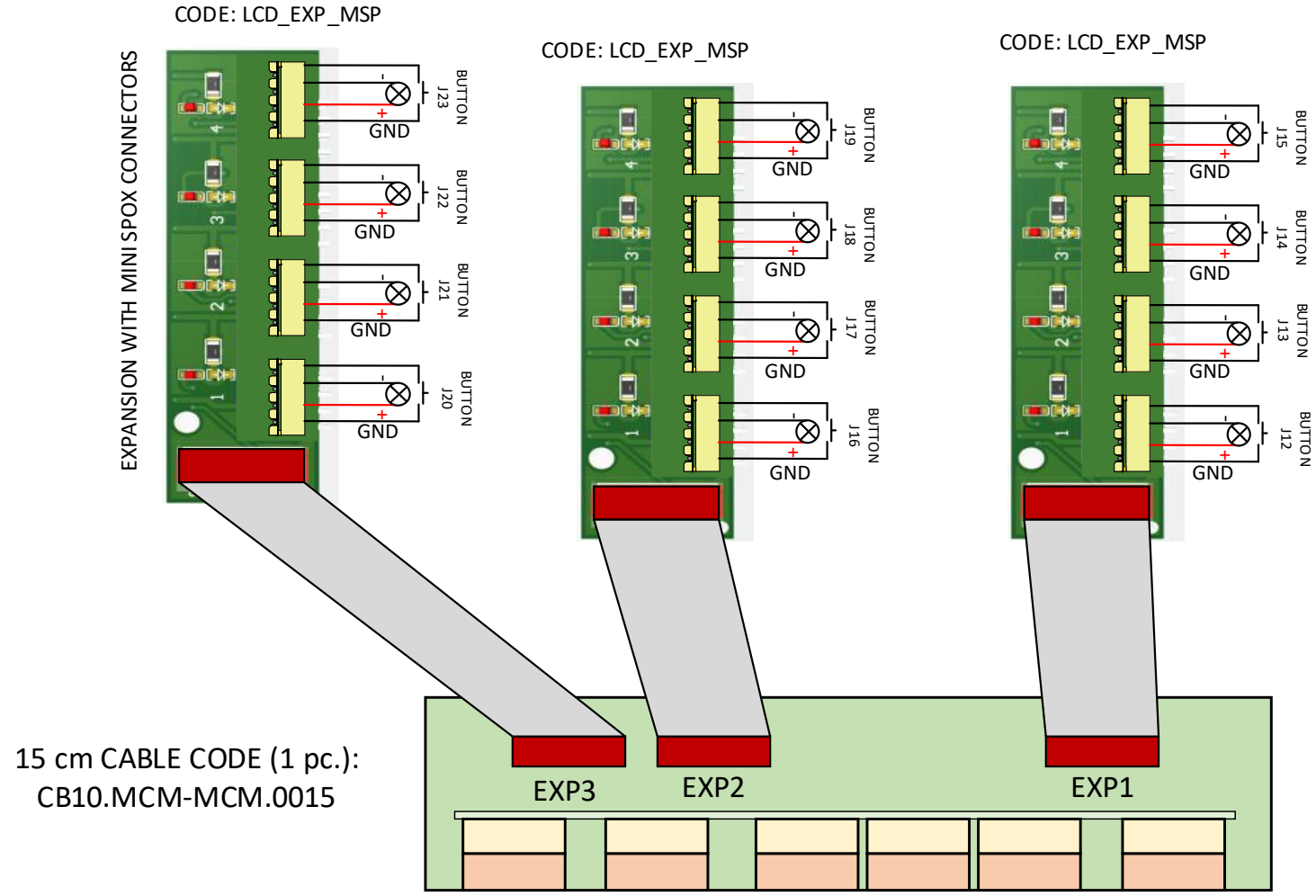
The VEGA SERIAL mode can be activated by setting **1.2 SET MODE= SERIAL V.**

3.2 CAN ISO (TFT900S-RC-CI)

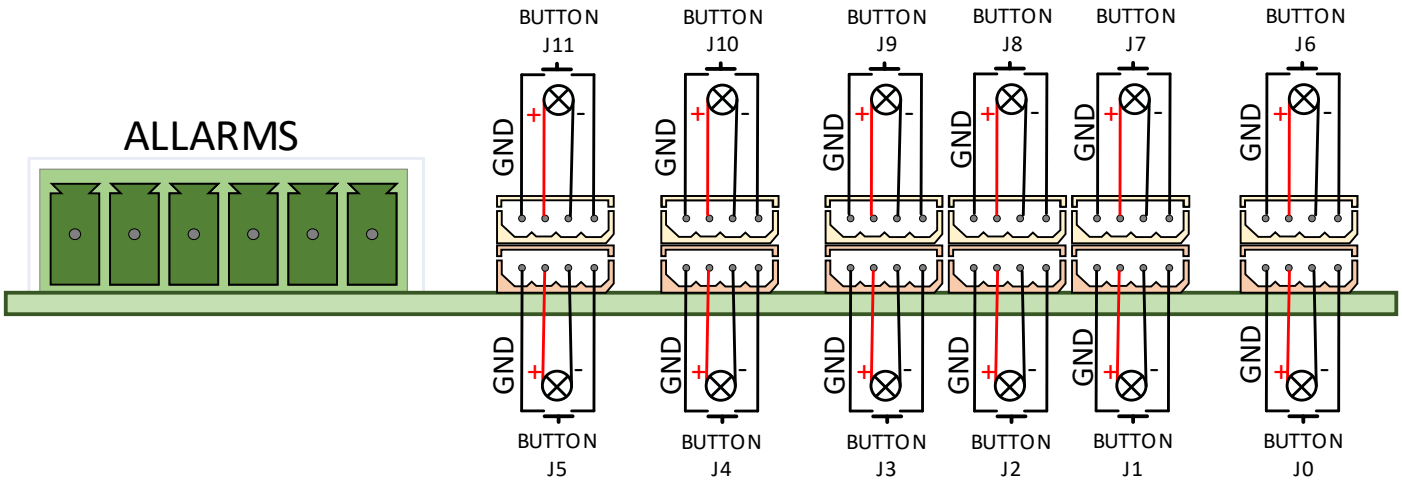


IMPORTANT: If multiple devices are installed on the same serial bus, for a proper communication, the terminating resistor must be enabled on the master device and ONLY on the last slave device. To enable terminating resistor on the TFT, just insert the R120 CAN ISO TERMINATION jumper to ON.

3.3 COLLECTING CALLS

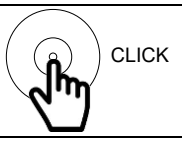
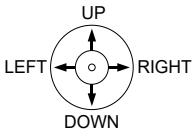


15 cm CABLE CODE (1 pc.):
CB10.MCM-MCM.0015



1 DISPLAY PROGRAMMING

Use the mini joystick on the back of the device to enter and navigate the programming menu.

	Enter the menu.
	Confirm a choice.
	Scroll values.

1.1 PROGRAMMING MENU

1. MODE & PROJECT	1,1 IMPORT PROJECT	
	1.2 SET MODE	
	1.3 ADDRESS	
	1.4 SERIAL PARAMETERS*	1.4.1 CAN ADDRESS
		1.4.2 Lift App
		1.4.3 Lift Number
		1.4.4 Door Number
		1.4.5 Floor Stop Time*
	1.5 SPECIAL FUNCTIONS*	1.5.1 FIRE SERVICE (LOBBY)*
		1.5.2 PASSING CHIME *
		1.5.3 SEPARATE GONG/TRIGGER*
		1.5.4 EMERGENCY LOWERING*
		1.5.5 ADDITIONAL FUNCTION*
		1.5.6 PROJECT DEFAULT*
	1,6 Network*	1.6.1 IP Address*
		1.6.2 Subnet Mask*
		1.6.3 Default Gateway*
		1.6.6 Port*
	1.7 DUBLE PROJECT	1.7.1 Import double project
		1.7.2 Select double project
	1.8 FLIP SCREEN	
2. FLOOR SYMBOLS	2.1 SET FIRST FLOOR	
	2.3 EDIT SYMBOLS	
	2.4 ACQUISITION	
3. EDIT DATA	3.1 CAPACITY	
	3.2 SERIAL NUMBER	
	3.3 CE NUMBER	
4. OPTIONS	4.1 SLIDESHOW	
	4.2 INPUT DEBOUNCE	
	4.3 SET ARROWS	
	4.4 POLARITY	4.4.1 INPUT POLARITY
		4.4.2 ARROWS POLARITY
	4.5 ALTERNATION	
	4.6 SET LOGO	4.6.1 CUSTOM LOGO
		4.6.2 STANDBY LOGO
	4.7 SET ALARMS	
	4.8 AUDIO*	
5. SYSTEM	5.1 TIME AND DATE*	
	5.2 MENU LANGUAGE	
	5.3 VOLUME	5.3.1 MESSAGES VOLUME
		5.3.2 MUSIC VOLUME*
		5.3.3 GONG VOLUME*
		5.3.4 NIGHT MODE*
		5.3.7 SET CHANNEL
	5.4 STANDBY	

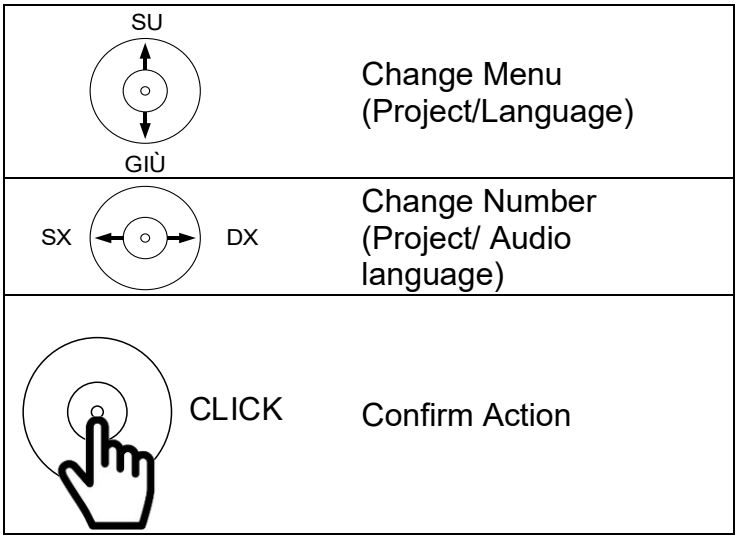
*NOT USED

1.2 MENÙ 1: MODE & PROJECT

By the submenus, the user can change the following settings on the display.

1.2.1 MENÙ 1.1: IMPORT PROJECT

Choose project no. X to import this file from the micro SD. Use the Vega Sirio Editor to create, modify and export the project file.



Before starting the upload, go to the item "Start update".

1.2.2 MENÙ 1.2: SET MODE

Choose the working mode, so the communication mode between the display and controller/encoder.

1.2.3 MENÙ 1.3: ADRESS

Configurare il parametro conformemente alla seguente tabella.

WORKING MODE	INSTALLATION	ADDRESS
1 WIRE	FLOOR	0 = Bottom floor
		1 = Next floor
		…
		7 = Top floor address
		8=1-tone/2-tone function (all floors)
	CAR	32
BINARY INV. BINARY GRAY	FLOOR	0 = Bottom floor
		1 = Next floor
		…
		63 = Top floor address 65= 1-tone/2-tone function (all floors)
	CAR	64
BCD	FLOOR	0 = Bottom floor
		1 = Next floor
		…
		19 = Top floor address
		21= 1-tone/2-tone function (all floors)
	CAR	20
Serial V	FLOOR	0 = Bottom floor
		1 = Next floor
		…
		…
		63= Top floor address
	CAR	64
CAN OPEN 125/250	CAR	0
	FLOOR	1 = Bottom floor
		2=Next floor
		…
		…
		64= Top floor address

1.2.4 MENÙ 1.4: SERIAL PARAMETER

MENÙ 1.4.1: CAN Address
Set the node ID (restart the display after setting it)

MENÙ 1.4.2: LIFT APP
Allows you to set a filter for alarm messages and floor indications (0 receive everything, 1 only messages for lift 1, 2 only messages for lift 2...Etc)

MENÙ 1.4.3: Lift Number
Allows you to set the lift number

MENÙ 1.4.4: Door Number
Allows you to set the type of port number that receives the signal

MENÙ 1.4.5: Floor Stop Time
Not Used

1.2.5 MENÙ 1.5: SPECIAL FUNCTIONS

NOT USED

1.2.6 MENÙ 1.7: DUBLE PROJECT

MENÙ 1.7.1: Import double project
Import two projects to save them in memory

MENÙ 1.7.2: Select double project
Select one of the imported projects to activate it

1.2.7 MENÙ 1.8: FLIP SCREEN

It allows you to turn a project 180° and keep all the data inside

1.3 MENÙ 2: FLOOR SYMBOLS

By the submenus, the user can change the following settings of the floor symbol.

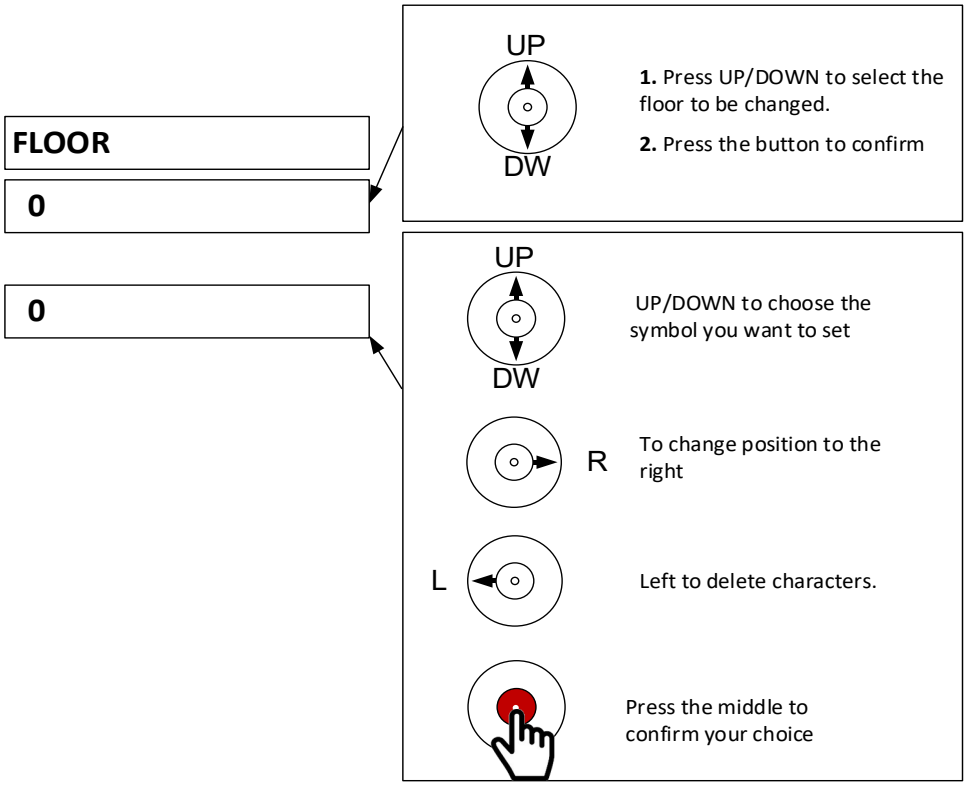
1.3.1 MENÙ 2.1: SET FIRST FLOOR

For parallel modes set the lowest floor of the plant. The values of subsequent planes will be calculated automatically.

1.3.2 MENÙ 2.3: EDIT SYMBOLS

It is possible to change the symbols of the plans.

For serial protocols if the symbol is sent via serial you cannot use this function.



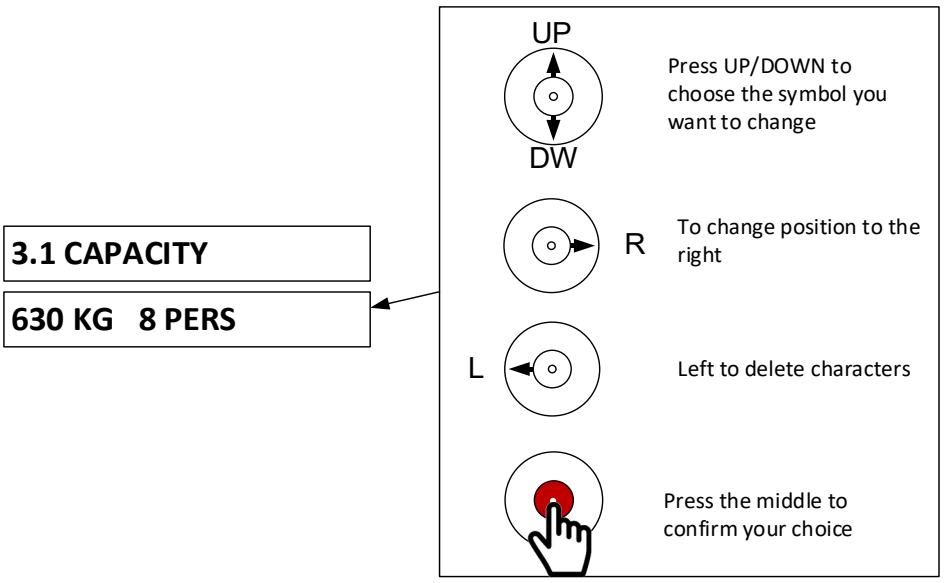
1.3.3 MENU 2.4: ACQUISITION

Available only for RS485 OT operating mode, next-direction arrow for the selected floor.
-Bring the car to the floor of the display that is to be acquired;
-verify that the number on the floor display matches the actual position of the car;
-Enter menu 2.4 and select ENABLE.
Select DISABLED to reset the floor address.

1.4 MENÙ 3: EDIT DATA

By the submenus, the user can change the following character strings: capacity (menu 3.1), serial number (menu 3.2), CE number (menu 3.3).

IMPORTANT: the strings can only be modified if they are already activated in the project loaded on the display. (Via the software Sirio).



1.5 MENÙ 4: OPTIONS

By the submenus, the user can change the following settings on the display.

1.5.1 MENÙ 4.1: SLIDESHOW

SLIDESHOW = 0, default background image activated.
SLIDESHOW = 4-15 the background image changes every T second (where T is equal to the set value), showing all the images saved in the project.

1.5.2 MENÙ 4.2: INPUT DEBOUNCE

For parallel modes, the input reading time can be set. [Value in ms.]

1.5.3 MENU 4.3: Set Arrows→4.3.2 SHOW ARROWS

Used only for Serial V mode.

ENABLED: Displays motion arrows at all planes.

DISABLED: Direction arrows are disabled, is displayed only in the case of next direction (menu 1.3 0 to 31)

1.5.4 MENÙ 4.4: SET POLARITY

For parallel modes, polarity of floor inputs and polarity of arrow inputs is possible. See chapter 3.1

1.5.5 MENÙ 4.5: ALTERNATION

In case of particular projects, where the direction arrow is placed on the same position as the plane, it is possible to alternate the display between plane and arrows.

1.5.6 MENÙ 4.6: SET LOGO

4.6.1 Customer logo: It is possible to enable/disable the customer logo. To enable it, it must be active from the graphic design.
4.6.2 Logo Standby:
It is possible to enable/disable the logo standby function. After an idle time, the display remains with a fixed background (Set from Sirio editor a splashscreen image):
0=Function off, no image:
X= Splash screen after X minutes of inactivity.
Range= 0/1/2/3/4/5/10/15/30/60/120/180
NOTE: "5.4 standby" time must be greater than the logo standby time.

1.5.7 MENÙ 4.7: SET ALARMS

Allows you to set alarm flashing and priority only in serial mode

1.5.8 MENÙ 4.8: AUDIO

NOT USED

1.6 MENÙ 5: SYSTEM

By the submenus, the user can change the following settings on the display.

1.6.1 MENÙ 5.1: TIME & DATE

NOT USED

1.6.2 MENÙ 5.2: MENU LANGUAGE

The language of the programming menu can be selected.
It=Italian, En=English, Nl=Dutch, Cz=Czech, Ru=Russian, Pt=Portuguese, Es=Spanish, FR=French, De=German.

1.6.3 MENÙ 5.3: VOLUME

MENÙ 5.3.1: MESSAGES VOLUME

Set floor and alarm messages volume:
0 = Audio disabled, **1** = Minimum volume, …, **10** = Maximum volume.

MENÙ 5.3.2 5.3.3 5.3.4

NOT USED

MENÙ 5.3.7 Select Channel

Audio output can be selected:
INT=Internal speaker only;
EST=External speaker only;
INT+EST=Internal and external speaker.

1.6.4 MENÙ 5.4: STANDBY

Through this menu, you can set the power-saving mode (black screen).
0 = Power-saving mode off;
5 = Power saving mode on after 5 minutes of inactivity;
...
180 = Power saving mode on after 180 minutes of inactivity.
Range= 1/2/3/4/5/10/30/60/120/180

2 CANOPEN BASIC SETTINGS

1. Select the communication protocol:
   - 1 MODE&PROJECT -> 1.2 SETMODE -> CANOPEN 125 (baud rate 125 kb/sec)
   - 1 MODE&PROJECT -> 1.2 SETMODE -> CANOPEN 250 (baud rate 250 kb/sec)
2. Select the device ID device:
   - 1.4 SERIAL PARAMETERS -> 1.4.1 CAN ADDRESS

   Normally addresses 16-20 are reserved for cabin devices,> 20 landing devices
3. Select the address of the device on the lift.:
   - 1.3 ADDRESS

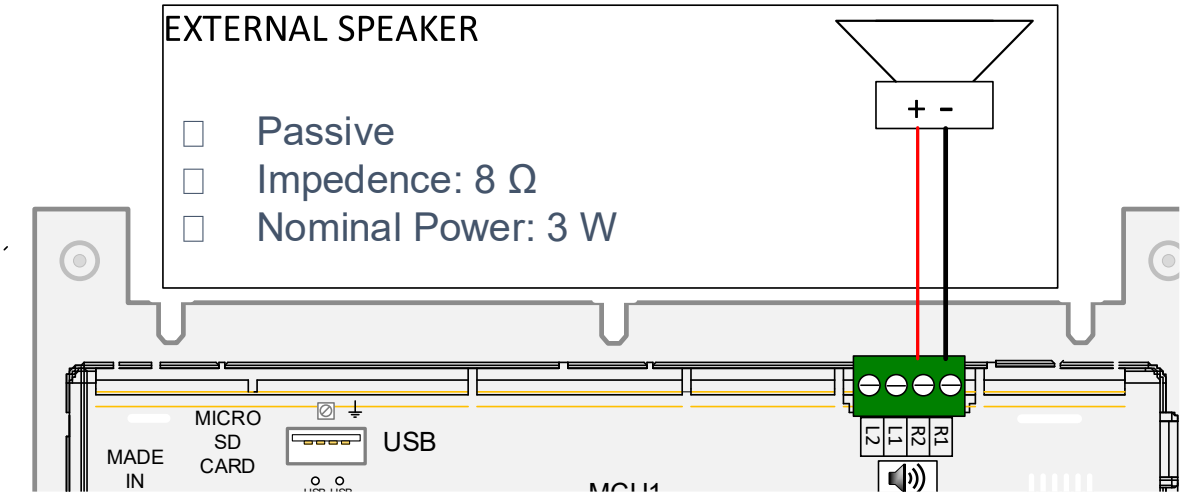
   0 is the car display, 1 is the lowest floor, 2 is next one up etc. This setting can be changed by the serial controller

3 AUDIO, SPEECH SYNTHESIZER

The display can play floor announcements and alarm messages.
For this to be possible, audio files must be inserted within the project, using the Sirio Editor program (see par. 7).

3.1 EXTERNAL SPEAKER

Once the speaker is connected as shown below, set the menu 5.3. In this menu you can program and activate the speaker.

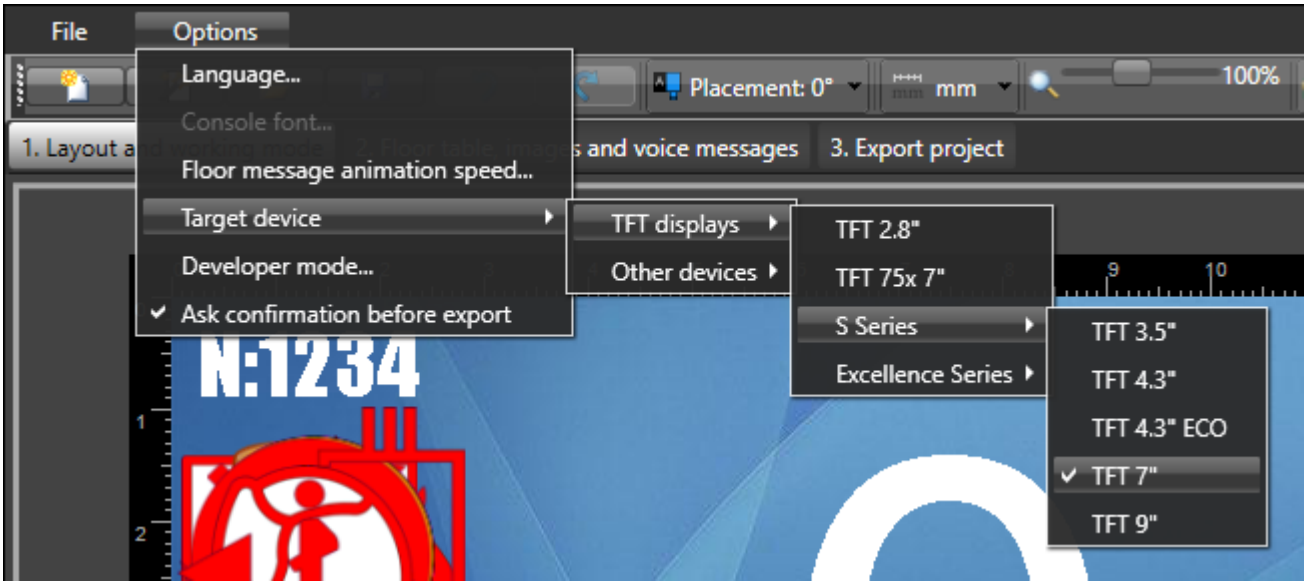


4 CREATING AND EXPORTING PROJECTS

Using the Sirio Editor software for PC you can modify floor, arrows and alarms (size and colour of symbols and descriptions, icons, audio messages) and background images.

ON PC

- Create the project choosing in OPTION, the TFT7S display as TARGET DEVICE.

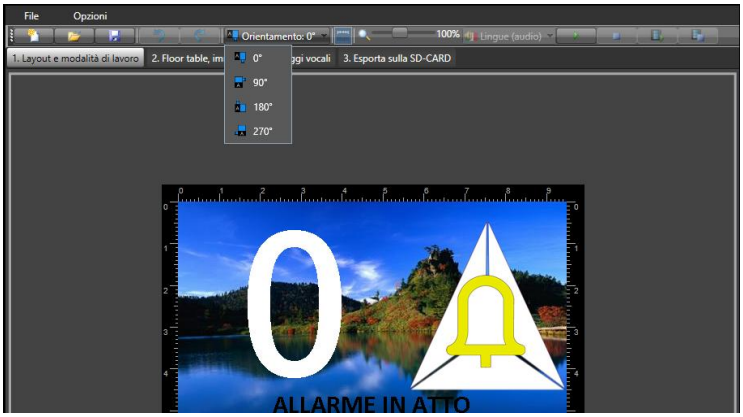


- Once made, export it from the "3. Export" page of the Sirius to a USB memory device.

IMPORT INTO THE DISPLAY VIA USB:

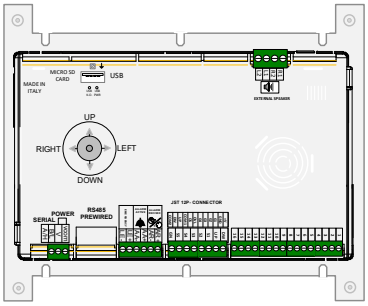
- Power the display;
- Insert the USB memory device;
- Wait for the loading of the
- IMPORTANT: The USB memory can be removed after export,

DISPLAY ORIENTATION:
One of the options available when creating the project is to choose the orientation of the display:

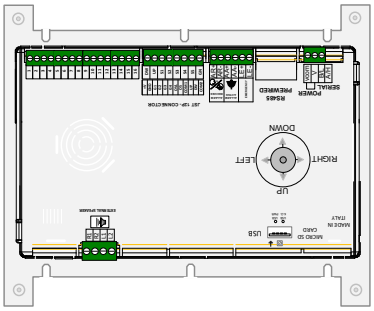


Horizontal

Placement 0°

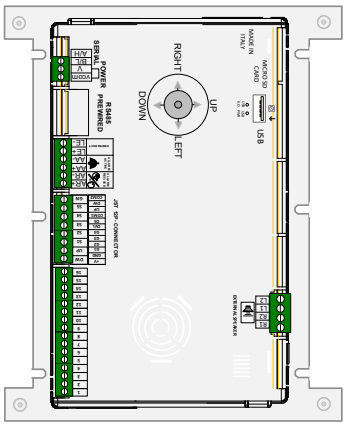


Placement 180°

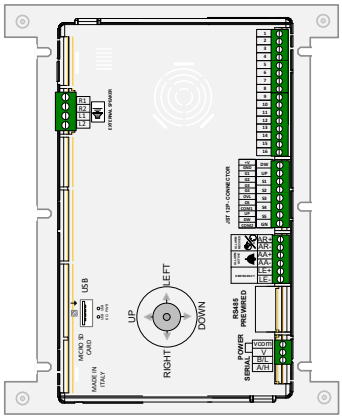


Vertical

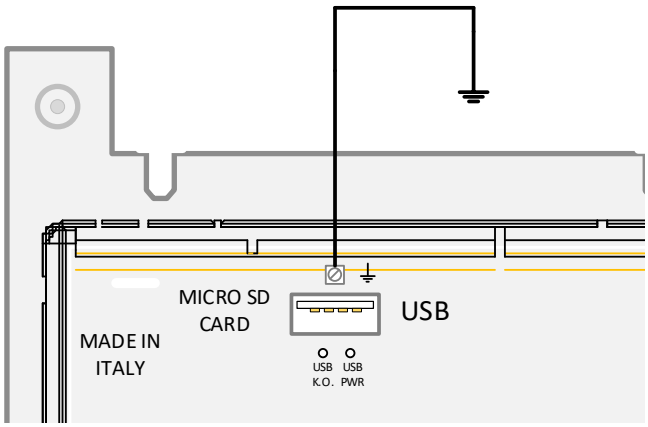
Placement 90°



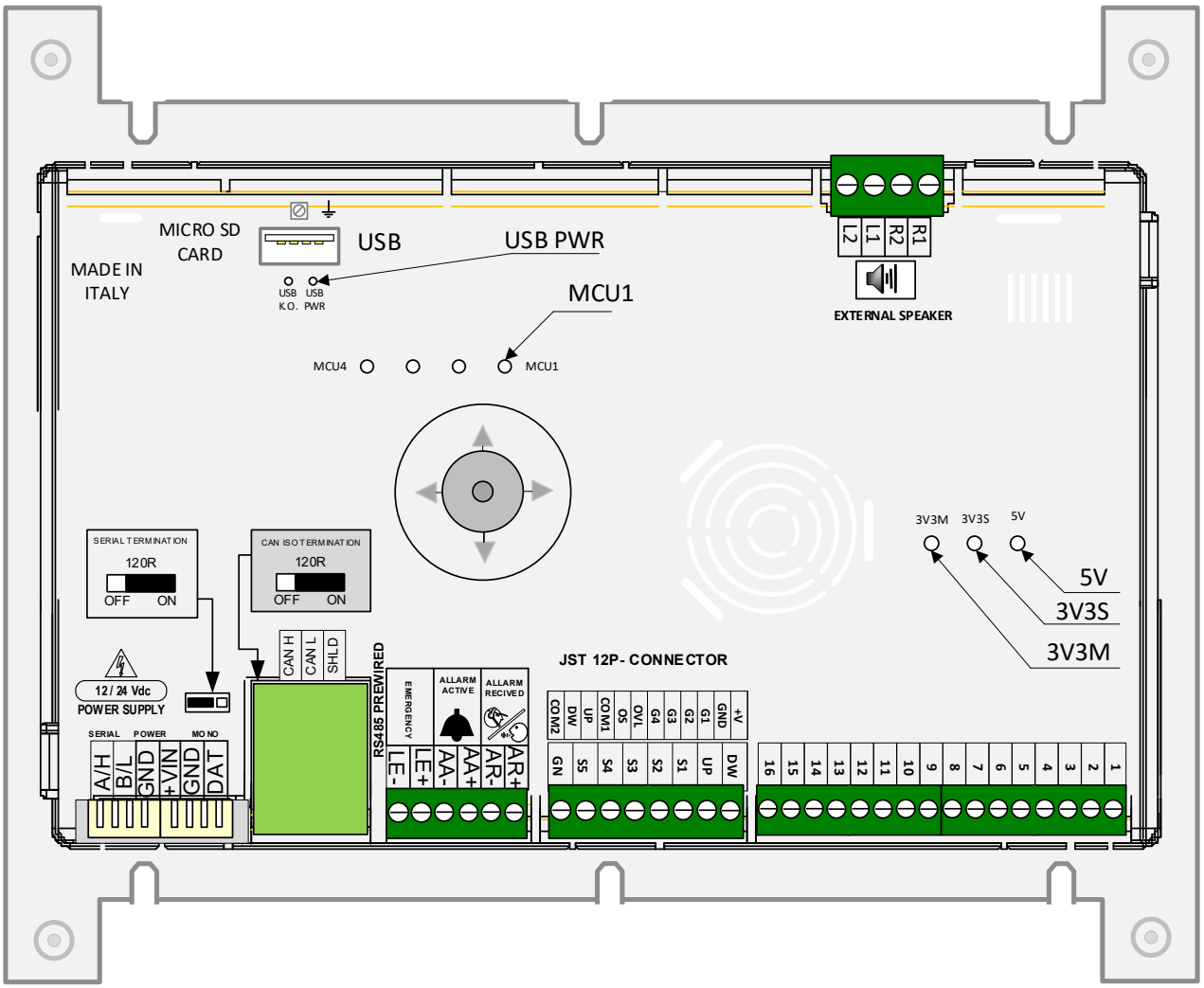
Placement 270°



If the device is installed on a metal plate, it is recommended to connect it to the grounding system.

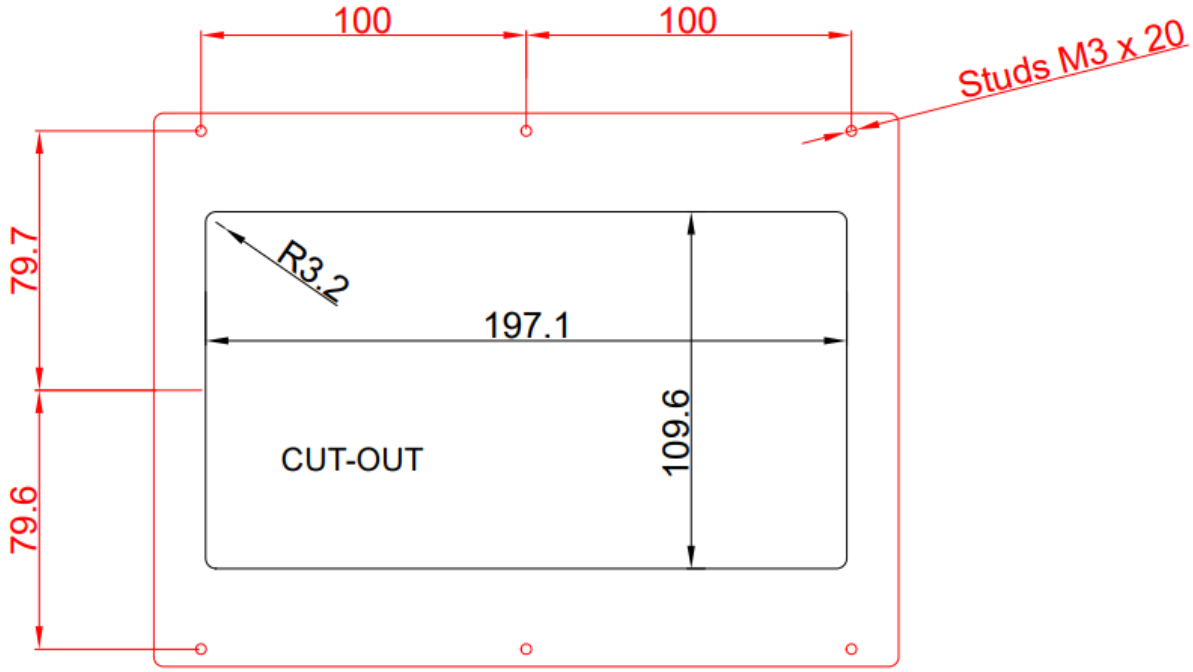


5 DIAGNOSTIC LED



LED	STATO	Description
5V	ON	5V internal power supply
3V3S/3V3M	ON	Presence of internal 3.3V power supply
USB PWR	ON	USB power supply OK
MCU 1	OFF	Communication KO
	Blink 1 sec.	Serial communication OK

6 DIMENSIONS



dimensions in [mm]

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CE