ITALIAN STYLE FOR LIFTS

TFT700S-XXX-XXX

FW:1.0.64

USER MANUAL-ENGLISH

Rev.5

DOWNLOAD (Software/Updates):

http://vegaplanner.vegalift.it/ftp/Software/SirioEditor/SirioEditor_v7.7.6.2.zip

PARALLEL

DISPLAY CODE	GLASS THICKNESS
TFT700S-PAR	1 mm
TFT700S-PAR-2	2 mm
TFT700S-PAR-3	3 mm

VEGA SERIAL

DISPLAY CODE	GLASS THICKNESS
TFT700S-RC-SER	1 mm
TFT700S-RC-SER-2	2 mm
TFT700S-RC-SER-3	3 mm

RS485 SERIAL

DISPLAY CODE	GLASS THICKNESS
TFT700S-RC-485	1 mm
TFT700S-RC-485-2	2 mm
TFT700S-RC-485-3	3mm

CAN SERIAL

DISPLAY CODE	GLASS THICKNESS
TFT700S-RC-CAN	1 mm
TFT700S-RC-CAN-2	2 mm
TFT700S-RC-CAN-3	3 mm

OPEN CAN SERIAL

DISPLAY CODE	GLASS THICKNESS
TFT700S-RC-CI	1 mm
TFT700S-RC-CI-2	2 mm
TFT700S-RC-CI-3	3 mm

OPTIONAL CODES

DESCRIPTION	CODE
Vandal-proof kit for 2mm plates	**TFT7.VP.KIT.2**
Vandal-proof kit for 3 mm plates	**TFT7.VP.KIT.3**
Minispox cables for BUTTONS	**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)

Contents

1 TECHNICAL DATA

Screen	7”	
Resolution	800 (RGB) x 480	
Display area	154.4 mm x 86.2 mm	6.08” x 3.39”
Colours	16M	
Pixel	0.1926 x 0.179 [mm^2]	
Power supply voltage	12÷24 Vdc ±10%	
Maximum current absorption	280 mA	
Operating temperature	-5°C / +50°C	-23°F / +104°F
Micro SD card (optional)	Optional	
Images format	*.bmp, *.jpg, *.jpeg, *.png	
Life (100% Brightness)	20,000 Hours	
Viewing angle	12 o’clock	
Brightness	340 cd/m^2	
Input signals activation	See par.3	

2 WORKING MODE

ONLY AVAILABLE FOR MODEL TFT700S-PAR:

Display	Description	Max number of floors (default range)
1 WIRE	**1 wire per floor**, each input (1-8) activates a floor	8 (0.7)
BINARY	The inputs (1-6) encode the floor number in **binary**	64 (0.63)
INVERTED BINARY	The inputs (1-6) encode the floor number in **inverted binary**	64 (0.63)
GRAY	The inputs (1-6) encode the floor number in **GRAY**	64 (0.63)
BCD	The inputs (1-6) encode the floor number in **BCD**	29 (-9.19)
7 SEG	**Seven segments**, one segment corresponds to each input	-9, 29
Stand alone NO	Stand-alone display mode (with magnetic **NO** sensors)	64 (-9.54)
Stand alone NC	Stand-alone display mode (with magnetic **NC** sensors)	64 (-9.54)
DEMO	Lift virtual simulation with floors, arrows and alarms	16 (0.15)

ONLY AVAILABLE FOR MODEL TFT700S-RC-SER:

Display	Description	Max number of floors (default range)
Serial V	VEGA Serial.	32 (-9.32)

ONLY AVAILABLE FOR MODEL TFT700S-RC-485:

Display	Description	Max number of floors (default range)
RS485 XX	RS485 Serial. Select the operating mode according to the control board communication protocol.	32 (-9.32)

ONLY AVAILABLE FOR MODEL TFT700S-RC-CAN:

Display	Description	Max number of floors (default range)
CAN XX	CAN XX SERIAL. Select the operating mode according to the control board communication protocol.	64 (-9.55)

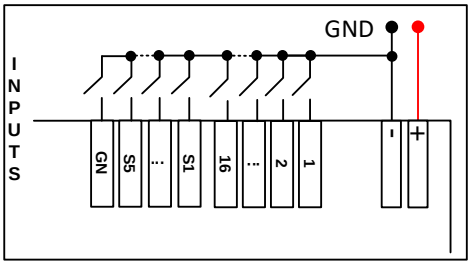
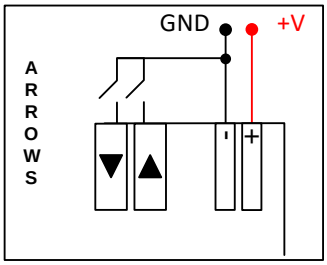
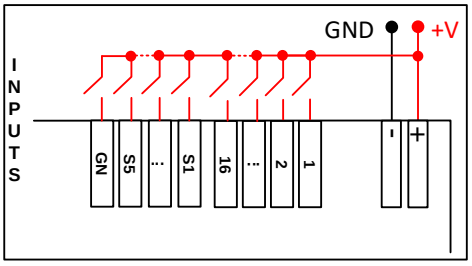
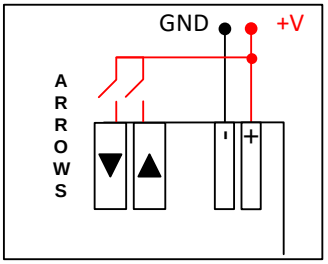
ONLY AVAILABLE FOR MODEL TFT700S-RC-CI:

Display	Description	Max number of floors (default range)
CAN XX	CAN 125, CAN 250 Serial Select the operating mode according to the control board communication protocol.	64 (-9.55)

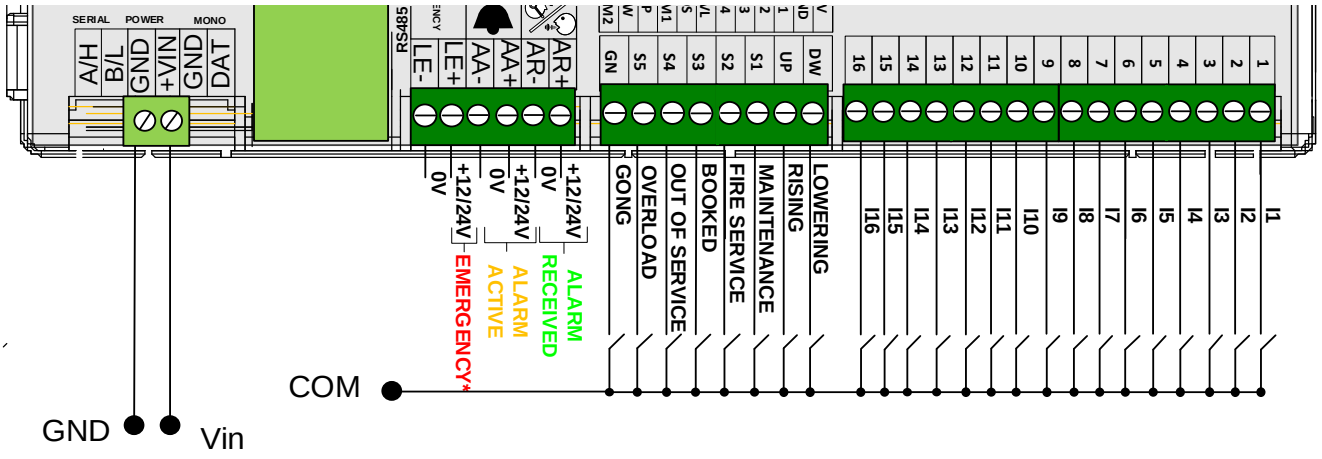
3 PARALLEL WORK MODE

3.1 SELECTING FLOORS AND ARROWS COMMON INPUTS

The common floor and arrows inputs can be selected using the programming mode “4.4 polarity”

	FLOORS/ALARMS	ARROWS
COM. POSITIVE DISPLAY	**INPUTS from 1 to GN NEGATIVE:** Menu: 4 Options/ 4.4 Polarity/ **4.4.1 Input polarity = Negative** 	**NEGATIVE ARROW INPUTS:** Menu: 4 Options/ 4.4 Polarity/ **4.4.2 Arrow polarity = Negative** 
COM. NEGATIVE DISPLAY	**INPUTS from 1 to GN POSITIVE:** Menu: 4 Options/ 4.4 Polarity/ **4.4.1 Input polarity= Positive** 	**POSITIVE ARROW INPUTS:** Menu: 4 Options/ 4.4 Polarity/ **4.4.2 Arrow polarity = Positive** 

3.2 1 WIRE PER FLOOR



Input polarity can be chosen by following the instructions in paragraph 3.1

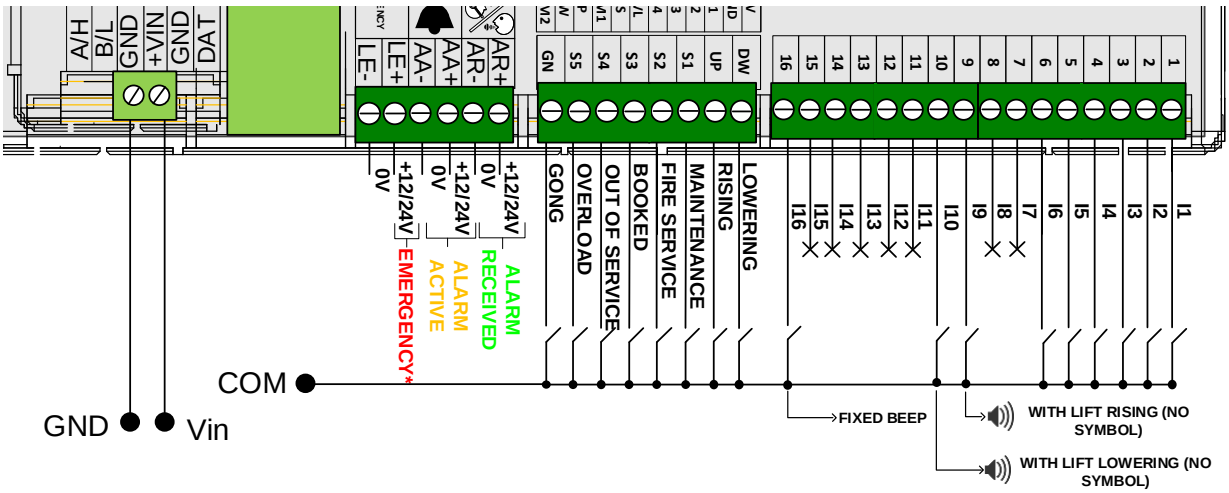
(*) The emergency icon and the courtesy light are activated via a positive (LE+), the LE pin- corresponds to the display GND

The 1 WIRE PER FLOOR mode is activated by setting **1.2 SET MODE = 1 WIRE**.

Active Input	I1	I2	I3		I14	I15	I16
Floor*	0	1	2		13	14	15

The value displayed on activation of the input I1 (lower position) can be edited using parameter **2.1 FLOOR BELOW**.
The input values for the other floors will be calculated automatically.

3.3 BINARY, INVERTED BINARY, GRAY, BCD



Input polarity can be chosen by following the instructions in paragraph 3.1

(*) The emergency icon and the courtesy light are activated via a positive (LE+), the LE pin- corresponds to the display GND

The various modes can be activated by setting the parameter **1.2 SET MODE.**

Binary	Inverted Binary	Display inputs					
		1	2	3	4	5	6
0	63	OFF	OFF	OFF	OFF	OFF	OFF
1	62	ON	OFF	OFF	OFF	OFF	OFF
2	61	OFF	ON	OFF	OFF	OFF	OFF
3	60	ON	ON	OFF	OFF	OFF	OFF
4	59	OFF	OFF	ON	OFF	OFF	OFF
5	58	ON	OFF	ON	OFF	OFF	OFF
6	57	OFF	ON	ON	OFF	OFF	OFF
7	56	ON	ON	ON	OFF	OFF	OFF
8	55	OFF	OFF	OFF	ON	OFF	OFF
9	54	ON	OFF	OFF	ON	OFF	OFF
10	53	OFF	ON	OFF	ON	OFF	OFF
11	52	ON	ON	OFF	ON	OFF	OFF
12	51	OFF	OFF	ON	ON	OFF	OFF
13	50	ON	OFF	ON	ON	OFF	OFF
14	49	OFF	ON	ON	ON	OFF	OFF
15	48	ON	ON	ON	ON	OFF	OFF
16	47	OFF	OFF	OFF	OFF	ON	OFF
17	46	ON	OFF	OFF	OFF	ON	OFF
18	45	OFF	ON	OFF	OFF	ON	OFF
19	44	ON	ON	OFF	OFF	ON	OFF
20	43	OFF	OFF	ON	OFF	ON	OFF
21	42	ON	OFF	ON	OFF	ON	OFF
22	41	OFF	ON	ON	OFF	ON	OFF
23	40	ON	ON	ON	OFF	ON	OFF
24	39	OFF	OFF	OFF	ON	ON	OFF
25	38	ON	OFF	OFF	ON	ON	OFF
26	37	OFF	ON	OFF	ON	ON	OFF
27	36	ON	ON	OFF	ON	ON	OFF
28	35	OFF	OFF	ON	ON	ON	OFF
29	34	ON	OFF	ON	ON	ON	OFF
30	33	OFF	ON	ON	ON	ON	OFF
31	32	ON	ON	ON	ON	ON	OFF

Binary	Inverted Binary	Display inputs					
		1	2	3	4	5	6
32	31	OFF	OFF	OFF	OFF	OFF	ON
33	30	ON	OFF	OFF	OFF	OFF	ON
34	29	OFF	ON	OFF	OFF	OFF	ON
35	28	ON	ON	OFF	OFF	OFF	ON
36	27	OFF	OFF	ON	OFF	OFF	ON
37	26	ON	OFF	ON	OFF	OFF	ON
38	25	OFF	ON	ON	OFF	OFF	ON
39	24	ON	ON	ON	OFF	OFF	ON
40	23	OFF	OFF	OFF	ON	OFF	ON
41	22	ON	OFF	OFF	ON	OFF	ON
42	21	OFF	ON	OFF	ON	OFF	ON
43	20	ON	ON	OFF	ON	OFF	ON
44	19	OFF	OFF	ON	ON	OFF	ON
45	18	ON	OFF	ON	ON	OFF	ON
46	17	OFF	ON	ON	ON	OFF	ON
47	16	ON	ON	ON	ON	OFF	ON
48	15	OFF	OFF	OFF	OFF	ON	ON
49	14	ON	OFF	OFF	OFF	ON	ON
50	13	OFF	ON	OFF	OFF	ON	ON
51	12	ON	ON	OFF	OFF	ON	ON
52	11	OFF	OFF	ON	OFF	ON	ON
53	10	ON	OFF	ON	OFF	ON	ON
54	9	OFF	ON	ON	OFF	ON	ON
55	8	ON	ON	ON	OFF	ON	ON
56	7	OFF	OFF	OFF	ON	ON	ON
57	6	ON	OFF	OFF	ON	ON	ON
58	5	OFF	ON	OFF	ON	ON	ON
59	4	ON	ON	OFF	ON	ON	ON
60	3	OFF	OFF	ON	ON	ON	ON
61	2	ON	OFF	ON	ON	ON	ON
62	1	OFF	ON	ON	ON	ON	ON
63	0	ON	ON	ON	ON	ON	ON

The table refers to a display programmed with parameter **2.1 FLOOR BELOW = 0**. All the other floors will be automatically recalculated.

BCD	Display inputs				
	1	2	3	4	5
0	ON	ON	ON	ON	OFF
1	OFF	ON	ON	ON	OFF
2	ON	OFF	ON	ON	OFF
3	OFF	OFF	ON	ON	OFF
4	ON	ON	OFF	ON	OFF
5	OFF	ON	OFF	ON	OFF
6	ON	OFF	OFF	ON	OFF
7	OFF	OFF	OFF	ON	OFF
8	ON	ON	ON	OFF	OFF
9	OFF	ON	ON	OFF	OFF

BCD	Display inputs				
	1	2	3	4	5
10	ON	ON	ON	ON	ON
11	OFF	ON	ON	ON	ON
12	ON	OFF	ON	ON	ON
13	OFF	OFF	ON	ON	ON
14	ON	ON	OFF	ON	ON
15	OFF	ON	OFF	ON	ON
16	ON	OFF	OFF	ON	ON
17	OFF	OFF	OFF	ON	ON
18	ON	ON	ON	OFF	ON
19	OFF	ON	ON	OFF	ON

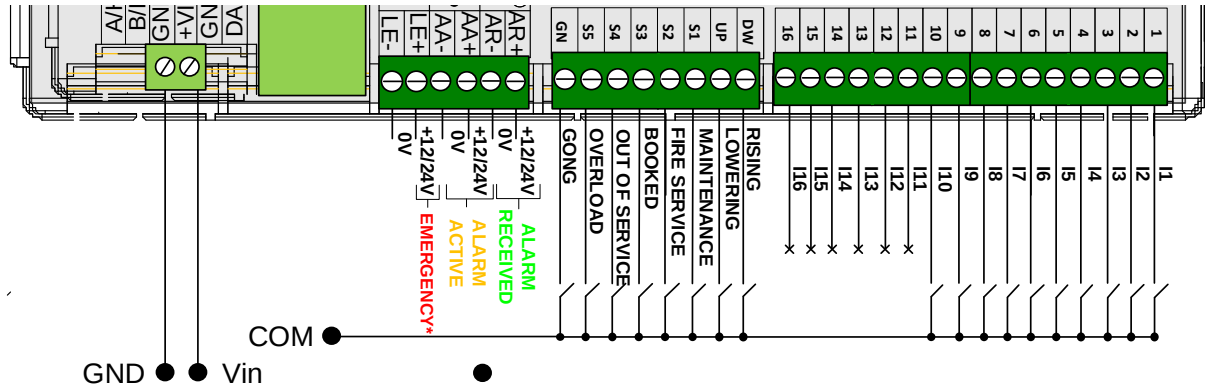
IMPORTANT: to use the BCD coding, set the parameter **2.1 FLOOR BELOW = 0**.
Input I6 activates the minus sign. If I5 and I6 are both active, only the tens will be displayed.

Gray	Display inputs						Gray	Display inputs					
	1	2	3	4	5	6		1	2	3	4	5	6
0	OFF	OFF	OFF	OFF	OFF	OFF	**32**	OFF	OFF	OFF	OFF	**ON**	**ON**
1	**ON**	OFF	OFF	OFF	OFF	OFF	**33**	**ON**	OFF	OFF	OFF	**ON**	**ON**
2	**ON**	**ON**	OFF	OFF	OFF	OFF	**34**	**ON**	**ON**	OFF	OFF	**ON**	**ON**
3	OFF	**ON**	OFF	OFF	OFF	OFF	**35**	OFF	**ON**	OFF	OFF	**ON**	**ON**
4	OFF	**ON**	**ON**	OFF	OFF	OFF	**36**	OFF	**ON**	**ON**	OFF	**ON**	**ON**
5	**ON**	**ON**	**ON**	OFF	OFF	OFF	**37**	**ON**	**ON**	**ON**	OFF	**ON**	**ON**
6	**ON**	OFF	**ON**	OFF	OFF	OFF	**38**	**ON**	OFF	**ON**	OFF	**ON**	**ON**
7	OFF	OFF	**ON**	OFF	OFF	OFF	**39**	OFF	OFF	**ON**	OFF	**ON**	**ON**
8	OFF	OFF	**ON**	**ON**	OFF	OFF	**40**	OFF	OFF	**ON**	**ON**	**ON**	**ON**
9	**ON**	OFF	**ON**	**ON**	OFF	OFF	**41**	**ON**	OFF	**ON**	**ON**	**ON**	**ON**
10	**ON**	**ON**	**ON**	**ON**	OFF	OFF	**42**	**ON**	**ON**	**ON**	**ON**	**ON**	**ON**
11	OFF	**ON**	**ON**	**ON**	OFF	OFF	**43**	OFF	**ON**	**ON**	**ON**	**ON**	**ON**
12	OFF	**ON**	OFF	**ON**	OFF	OFF	**44**	OFF	**ON**	OFF	**ON**	**ON**	**ON**
13	**ON**	**ON**	OFF	**ON**	OFF	OFF	**45**	**ON**	**ON**	OFF	**ON**	**ON**	**ON**
14	**ON**	OFF	OFF	**ON**	OFF	OFF	**46**	**ON**	OFF	OFF	**ON**	**ON**	**ON**
15	OFF	OFF	OFF	**ON**	OFF	OFF	**47**	OFF	OFF	OFF	**ON**	**ON**	**ON**
16	OFF	OFF	OFF	**ON**	**ON**	OFF	**48**	OFF	OFF	OFF	**ON**	OFF	**ON**
17	**ON**	OFF	OFF	**ON**	**ON**	OFF	**49**	**ON**	OFF	OFF	**ON**	OFF	**ON**
18	**ON**	**ON**	OFF	**ON**	**ON**	OFF	**50**	**ON**	**ON**	OFF	**ON**	OFF	**ON**
19	OFF	**ON**	OFF	**ON**	**ON**	OFF	**51**	OFF	**ON**	OFF	**ON**	OFF	**ON**
20	OFF	**ON**	**ON**	**ON**	**ON**	OFF	**52**	OFF	**ON**	**ON**	**ON**	OFF	**ON**
21	**ON**	**ON**	**ON**	**ON**	**ON**	OFF	**53**	**ON**	**ON**	**ON**	**ON**	OFF	**ON**
22	**ON**	OFF	**ON**	**ON**	**ON**	OFF	**54**	**ON**	OFF	**ON**	**ON**	OFF	**ON**
23	OFF	OFF	**ON**	**ON**	**ON**	OFF	**55**	OFF	OFF	**ON**	**ON**	OFF	**ON**
24	OFF	OFF	**ON**	OFF	**ON**	OFF	**56**	OFF	OFF	**ON**	OFF	OFF	**ON**
25	**ON**	OFF	**ON**	OFF	**ON**	OFF	**57**	**ON**	OFF	**ON**	OFF	OFF	**ON**
26	**ON**	**ON**	**ON**	OFF	**ON**	OFF	**58**	**ON**	**ON**	**ON**	OFF	OFF	**ON**
27	OFF	**ON**	**ON**	OFF	**ON**	OFF	**59**	OFF	**ON**	**ON**	OFF	OFF	**ON**
28	OFF	**ON**	OFF	OFF	**ON**	OFF	**60**	OFF	**ON**	OFF	OFF	OFF	**ON**
29	**ON**	**ON**	OFF	OFF	**ON**	OFF	**61**	**ON**	**ON**	OFF	OFF	OFF	**ON**
30	**ON**	OFF	OFF	OFF	**ON**	OFF	**62**	**ON**	OFF	OFF	OFF	OFF	**ON**
31	OFF	OFF	OFF	OFF	**ON**	OFF	**63**	OFF	OFF	OFF	OFF	OFF	**ON**

The table refers to a display programmed with parameter **2.1 FLOOR BELOW = 0**.
All the other floors will be automatically recalculated.

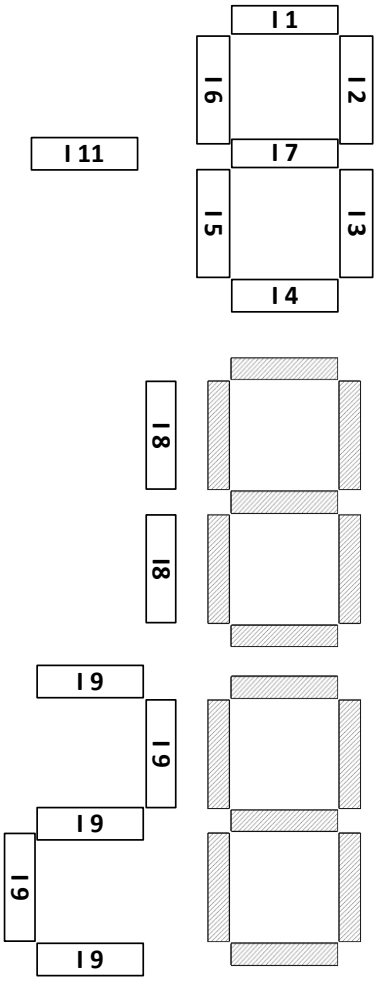
3.4 7 SEGMENTS

The 7 SEGMENT coding can be activated by setting **1.2 SET MODE = 7 SEG**.
This working mode is available for versions 1.x.105 onwards.



Input polarity can be chosen by following the instructions in paragraph 3.1

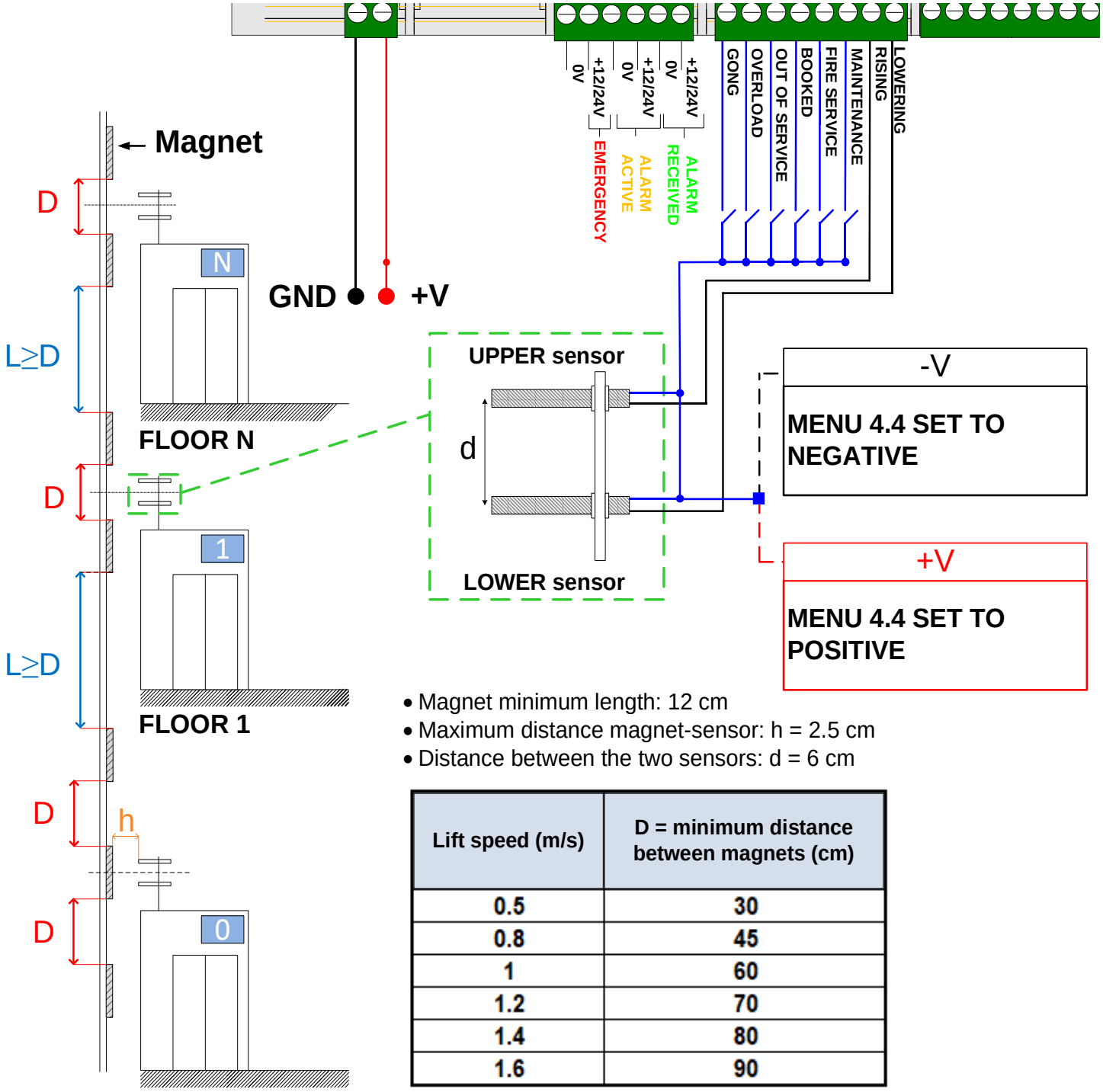
**(*) The emergency icon and the courtesy light are activated via a positive (LE+).
The pin LE-corresponds to the display GND.**



They can be activated at the same time by entering the left-hand figure (I8 for the tens or I9 for the twenties) and the minus sign (I11).

3.5 STAND ALONE

The STAND ALONE modes can be activated by setting the parameter:
1.2 SET MODE = STAND ALONE NO if using normally open sensors.
1.2 SET MODE = STAND ALONE NC if using normally closed sensors.
The elevator speed must be between the following values: **Vmin = 0.4 m / s** - **VMAX = 2 m / s**.



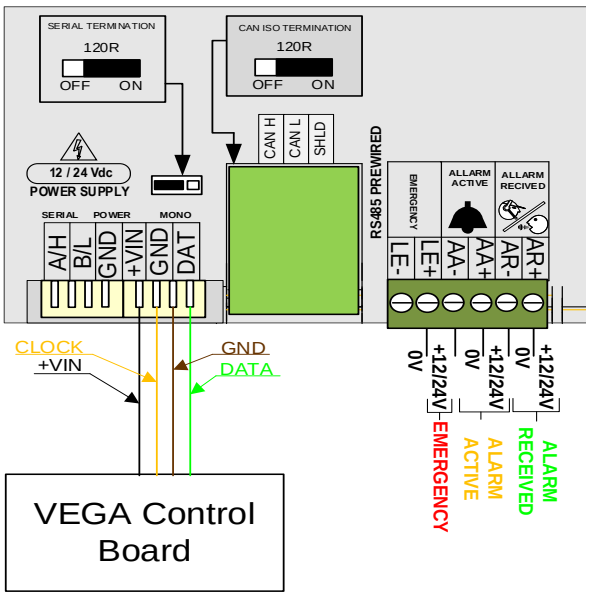
- Magnet minimum length: 12 cm
- Maximum distance magnet-sensor: h = 2.5 cm
- Distance between the two sensors: d = 6 cm

Lift speed (m/s)	D = minimum distance between magnets (cm)
0.5	30
0.8	45
1	60
1.2	70
1.4	80
1.6	90

N.B. The power factor correction is the only one with only 3 magnets. The central magnet is opposite both the sensors. The other floors only have one magnet above the UPPER sensor and another magnet below the LOWER magnet. The power factor correction floor can be changed by setting the parameter 2.1 FLOOR BELOW

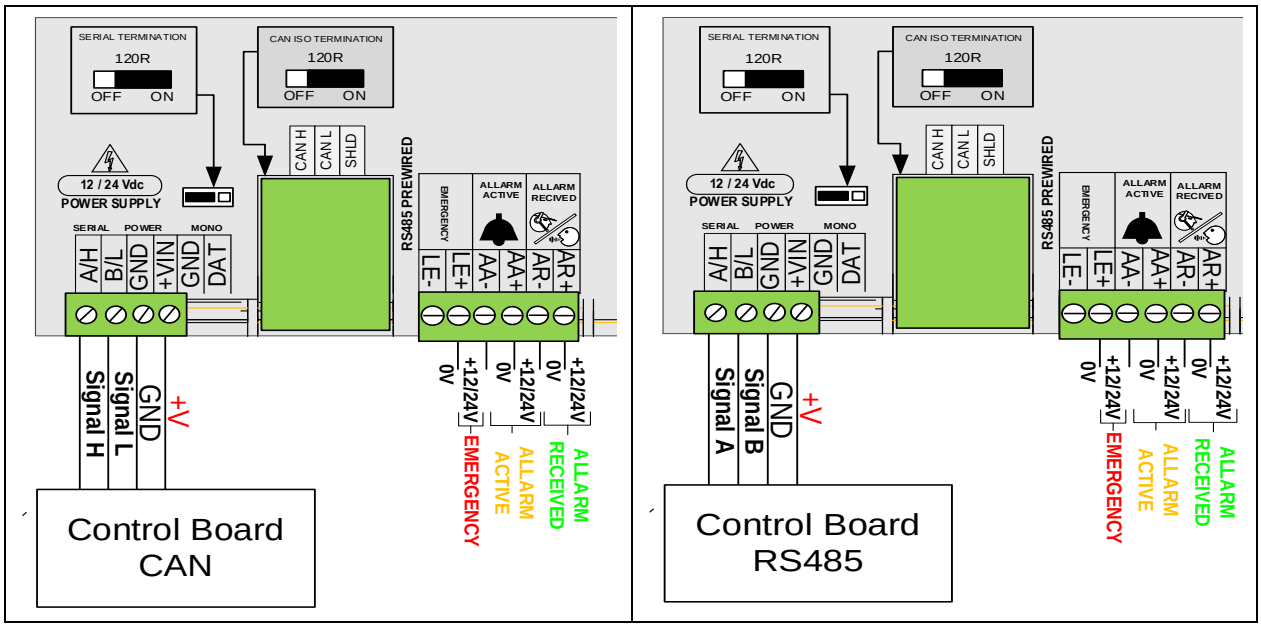
4 SERIAL WORKING MODES

4.1 VEGA SERIAL (only for TFT700SM-RC-SER)



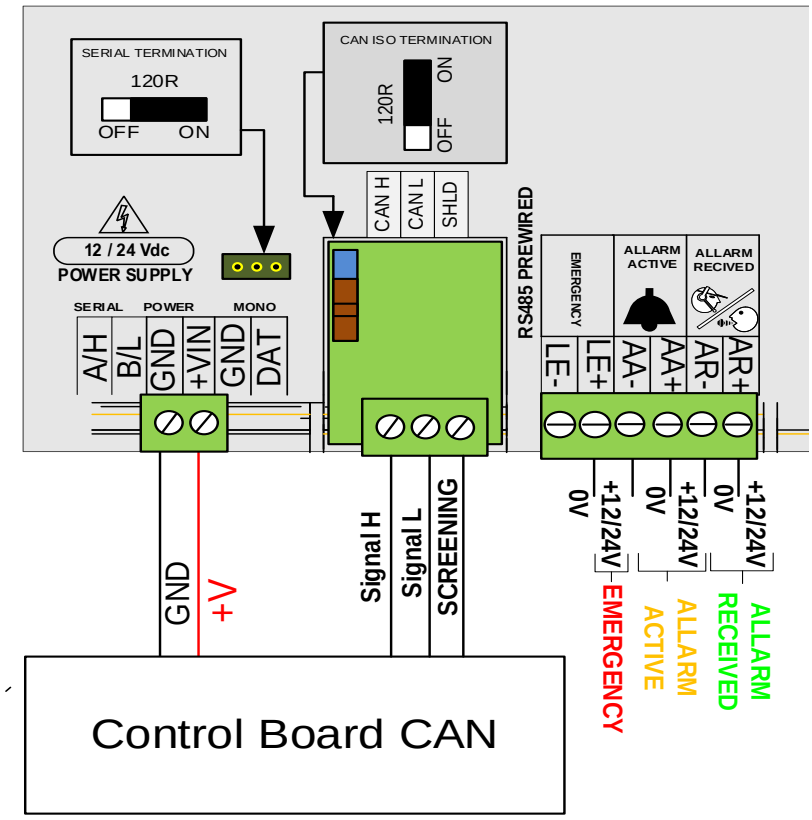
The VEGA SERIAL mode can be activated by setting **1.2 SET MODE = SERIAL V.**

4.2 CAN (TFT700S-RC-CAN) E RS485 (TFT700S-RC-485)



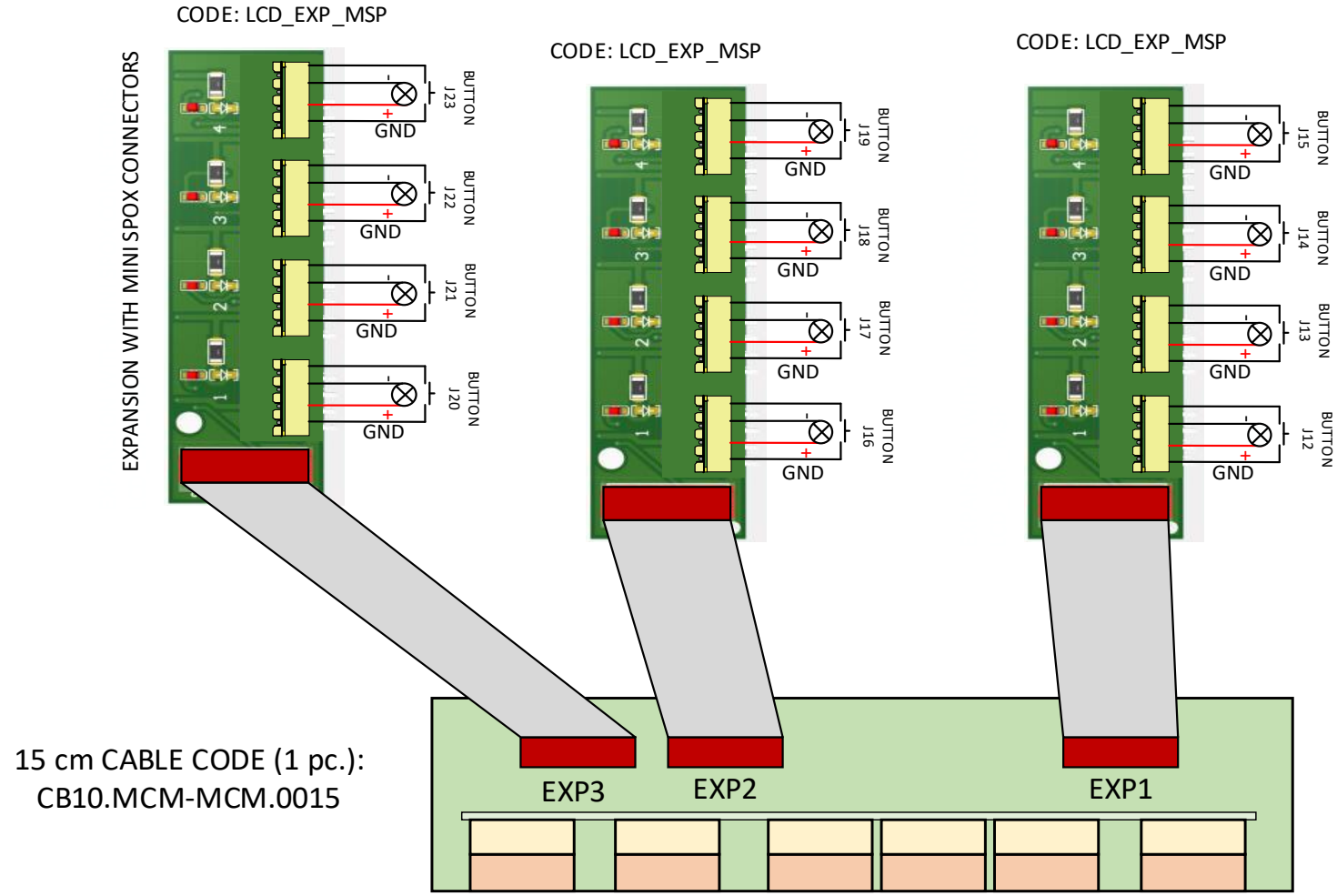
The parallel inputs can activate the alarms, based on the communication protocol.
IMPORTANT: if multiple devices are installed on the same serial bus, for proper communication, the termination resistance must be enabled on the master device and ONLY on the last slave device.
To activate termination resistance on the TFT, insert the R120 SERIAL TERMINATION jumper to ON.

4.3 CAN ISO (TFT700S-RC-CI)

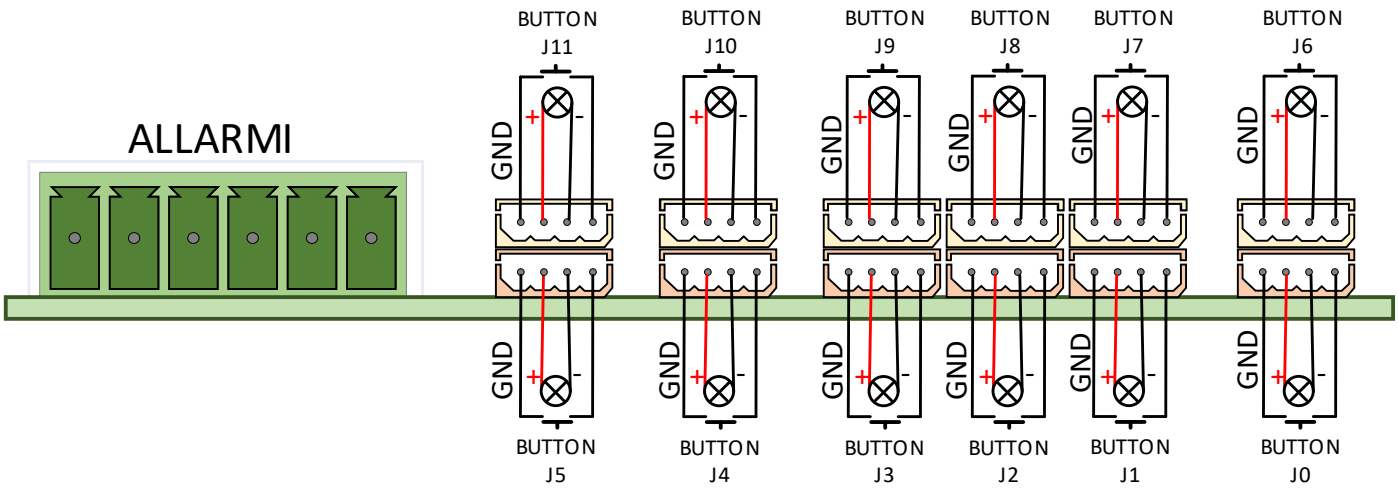


The parallel inputs can activate the alarms, based on the communication protocol.
IMPORTANT: if multiple devices are installed on the same serial bus, for proper communication, the termination resistance must be enabled on the master device and ONLY on the last slave device.
To activate termination resistance on the TFT, insert the R120 CAN ISO TERMINATION jumper to ON.

4.4 COLLECTING CALLS

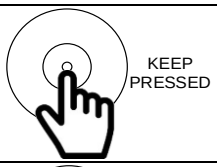
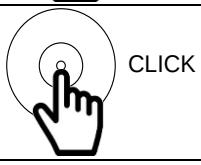
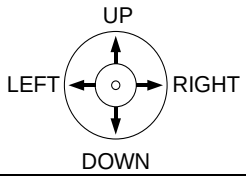


15 cm CABLE CODE (1 pc.):
CB10.MCM-MCM.0015



5 PROGRAMMING THE DISPLAY

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

	Enter the menu.
	Confirm choice.
	Scroll values.

5.1 PROGRAMMING MENU

1. Mode & Project	**1.1 Import Project**	
	1.2 Set Mode	
	1.3 Address	
	1.4 Serial settings*	**1.4.1 CAN address**
		1.4.2 Lift App
		1.4.3 Lift ID
		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 and trigger
		1.5.4 Emergency lowering*
		1.5.5 Additional function*
		1.5.6 Project default*
	1.6 Network*	**1.61 IP Address***
		1.6.2 Subnet Mask*
		1.6.3 Set Gateway*
		1.6.6 Door*
	1.7 Double project	**1.7.1 Import double project**
		1.7.2 Select current project
	1.8 Flip screen	

2. Floor symbols	**2.1 Floor below**
	2.3 Edit floor symbols
	2.4 Set address

3. Edit lift data	**3.1 Capacity**
	3.2 Lift number
	3.3 CE number

4. Options	4.1 Rotating background images		
	4.2 Input Debounce		
	4.3 Arrow settings	4.3.1 Arrow Animation Type	
		4.3.2 Show Arrows	
		4.3.3 Flashing Arrows	
		4.3.4 Circular arrow speed	
	4.4 Polarity	4.4.1 Input polarity	
		4.4.2 Arrow polarity	
	4.5 Alternation	4.5.1 Alternation*	
		4.5.2 Floor time	
		4.5.3 Arrow time	
	4.6 Set logo	4.6.1 Customer logo	
		4.6.2 Standby logo	
	4.7 Alarm settings	4.7.1 Flashing alarms	
		4.7.2 Set alarm priority	
		4.7.3 Audio loop time	
	4.8 Audio	4.8.1 Door messages	
		4.8.2 Button beep	
	4.9 Managing keys	4.9.1 Number of keys	
		4.9.2 Input acquisition	
	4.10 Input Mapping		

5. System	5.1 Time and Date	5.1.1 Time and Date	
		5.3.2 Time Zone	
	5.2 Menu Language		
	5.3 Volume	5.3.1 Messages volume	
		5.3.2 Music volume	
		5.3.3 Buzzer volume	
		5.3.4 Night mode	5.3.4.1 Messages volume
			5.3.4.2 Music volume
			5.3.4.3 Buzzer volume*
			5.3.4.4 Start Time
			5.3.4.5 End Time
			5.3.4.6 Enable/Disable
		5.3.7 Select Channel	
	5.4 Standby		

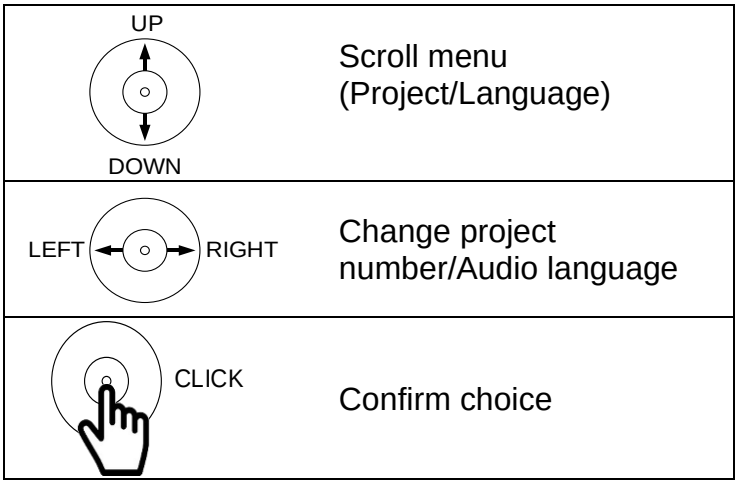
*NOT USED

5.2 MENU 1: MODE & PROJECT

The user can edit the following display settings by using the submenu.

5.2.1 MENU 1.1: IMPORT PROJECT

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



Before starting loading, go to the section “Start update”.

5.2.2 MENU 1.2: SET MODE

Choose the operating mode then the communication mode between the display and the controller/encoder.

5.2.3 MENU 1.3: ADDRESS

Set the parameter following the table below.

WORK MODE	INSTALLATION	ADDRESS
1 WIRE	FLOOR	0 = Floor below
		1 = Next floor up
		…
		7 = Address of floor above
		8=Function 1 tone/2 tones (on all floors)
	CAR	32
BINARY INV. BINARY GRAY	FLOOR	0 = Floor below
		1 = Next floor up
		…
		63 = Address of floor above 65=Function 1 tone/two tones (on all floors)
	CAR	64
BCD	FLOOR	0 = Floor below
		1 = Next floor up
		…
		19 = Address of floor above
		21=Function 1 tone/two tones (on all floors)
	CAR	20
Serial V	FLOOR	0 = Floor below
		1 = Next floor up
		…
		…
		63 = Address of next floor up
	CAR	64
CAN OPEN 125/250	CAR	0
	FLOOR	1 = Floor below
		2 = Next floor up
		…
		…
		64 = Address of next floor up

5.2.4 MENU 1.4: SERIAL SETTINGS

MENU 1.4.1: CAN Address

Set the node ID (reboot the display after setting it)

MENU 1.4.2: LIFT APP

Allows activation of a filter for alarms, messages and floor indicator (0 receive all, 1 only messages for LIFT 1, 2 only messages for LIFT 2... etc)

MENU 1.4.3: Lift ID

Allow the lift ID number to be selected

MENU 1.4.4: Door number

Allows the type of doors used to be selected

MENU 1.4.5: Floor stop time

Not Used

5.2.5 MENU 1.5: SPECIAL FUNCTIONS

MENU 1.5.1: Fire service (Lobby)

Not Used

MENU 1.5.2: Passing chime

Not Used

MENU 1.5.3: Separate gong and trigger

Not Used

MENU 1.5.4: Emergency lowering

Not Used

MENU 1.5.5: Additional function

Not Used

MENU 1.5.6: Project default

Not Used

5.2.6 MENU 1.6: NETWORK

MENU 1.6.1: IP Address

Not Used

MENU 1.6.2: Subnet Mask

Not Used

MENU 1.6.3: Preset Gateway

Not Used

MENU 1.6.4: Primary DNS

Not Used

MENU 1.6.5: Secondary DNS

Not Used

MENU 1.6.6: Door

Not Used

5.2.7 MENU 1.7: DOUBLE PROJECT

MENU 1.7.1: Import double project

Allows two projects to be imported

MENU 1.7.2: Select current project

Allows you to choose and activate one of two imported projects

5.2.8 MENU 1.8: FLIP SCREEN

Allows you to flip the current project while keeping all the data. If a double project is set with one horizontal and the other vertical, using the flip will enable all 4 orientations.

5.3 MENU 2: FLOOR SYMBOLS

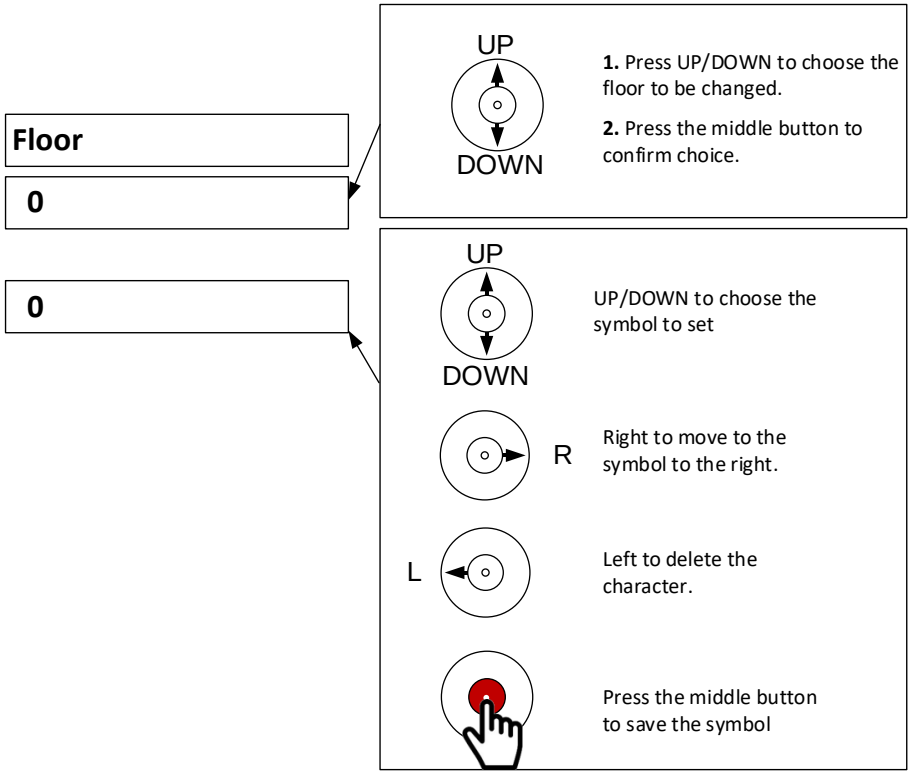
By the following submenu, the user can change the floor symbol settings.

5.3.1 MENU 2.1: LOWER FLOOR

For parallel modes, set the lower floor on the lift. The values for the other floors will be calculated automatically.

5.3.2 MENU 2.3: EDIT FLOOR SYMBOLS

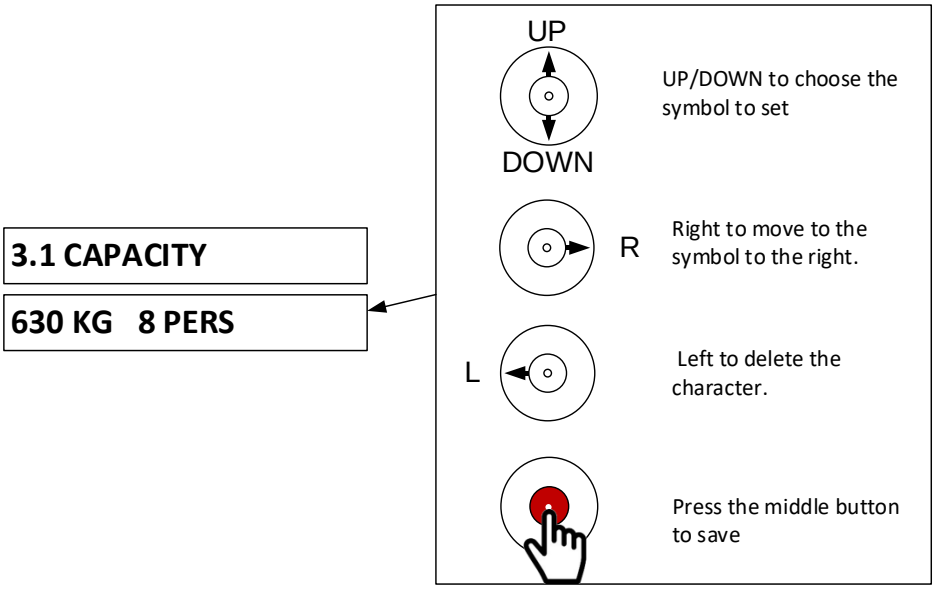
The floor symbols can be edited.
If the symbol is sent via serial for the serial protocols, this function cannot be used.



5.3.3 MENU 2.4: SET ADDRESS

Only available for operating mode RS485 OT, floor directional arrows mode.
-Take the car to the floor on the display that is to be acquired;
- check that the number on the floor display corresponds to the actual position of the car;
-Enter menu 2.4 and select ACTIVATE.
Select DEACTIVATE to reset the floor address. The lift data can be edited (3.1 Capacity, 3.2 Lift number, 3.3 CE Number).

To edit the fields, they must be included in the graphic project (using Sirio software).



5.4 MENU 4: OPTIONS

The user can edit the following display settings by using the submenu.

5.4.1 MENU 4.1: ROTATING BACKGROUND IMAGE

SLIDESHOW= 0, default background image.
SLIDESHOW 4-15, the background image changes every T seconds (where T equals the set value), showing all the images saved in the project in rotation.

5.4.2 MENU 4.2: Input Debounce

It is possible to set the input reading time for parallel modes. [Value in ms.]

5.4.3 MENU 4.3: Set arrows

MENU 4.3.1: Arrow Animation Type

The display uses the images loaded into the Sirio Editor software as arrows, on: UP-DOWN ARROW/FRAMES.

FRAMES: Arrow animation with images and the addition of an empty one.

FIXED: Fixed image.

ROTATION: Arrow animation with images, without adding an empty one.

MENU 4.3.2: Show Arrows

Activate/Deactivate arrow view (optional in some protocols).

MENU 4.3.3: Flashing Arrows

Flashing time of up/down arrows (optional in some protocols).

MENU 4.3.4: Circular arrow speed

Set the time of the circular arrow animation. Set the time to complete a full 360-degree rotation.

0: circular arrow deactivated;
1: animation duration = 10 seconds;
2: animation duration = 9 seconds;
...
10: animation duration = 1 second;

NB: the circular arrow can be activated by Sirio Editor, and can only be used with the VEGA Serial protocol.

5.4.4 MENU 4.4: Polarity

Floor input polarity and arrow input polarity are possible for parallel modes. See chapter 3.1.

5.4.5 MENU 4.5: Alternation

In certain projects, where the direction arrow is positioned on the same position as the floor, the display can be alternated between floor and arrows.

MENU 4.5.1: Alternation

Activate/deactivate function.

MENU 4.5.2: Floor Time

Set floor display time.

MENU 4.5.3: Arrow Time

Set arrow display time.

5.4.6 MENU 4.6: SET LOGO

MENU 4.6.1: Customer logo

It is possible to activate/deactivate the customer logo. The graphic project must be active to activate it.

MENU 4.6.2: Logo Standby

It is possible to activate/deactivate the stand by logo function. After a certain amount of time of inactivity, the display will have a fixed background (a splashscreen image can be set on Sirio Editor):
0 = Function deactivated, no image:
X = splash screen after X minutes of inactivity.
Range = 0/1/2/3/4/5/10/15/30/60/120/180
N.B.: The “5.4 standby” time must be more than the logo standby time.

5.4.7 MENU 4.7: SETTING ALARMS

MENU 4.7.1: Flashing alarms
Activate/Deactivate flashing alarms.

MENU 4.7.2: Set alarm priority
Activate/Deactivate alarm priority.

MENU 4.7.3: Alarm loop time
Set frequency for repeating voice message/buzzer.

5.4.8 MENU 4.8: AUDIO

MENU 4.8.1: Doors message
Activate/deactivate doors message.

MENU 4.8.2: Button beep
Activate/deactivate button beep.

5.4.9 MENU 4.9: KEY MANAGEMENT

MENU 4.9.1: Number of keys
Set the number of keys 0-8.

MENU 4.9.2: Input acquisition
View and set key configuration

5.4.10 MENU 4.10: Input Mapping
Via the menu it is possible to move inputs 15 (PCP) and 17 (PAP) to positions 0 and 1.
By doing so, all the other inputs will be shifted forward by 2.
By setting the menu to 1, we obtain mapping as shown below:

I/O	Funct.
0	PCP
1	PAP
2	C0
3	C1
4	C2
5	C3
6	C4
7	C5
8	C6
9	C7
10	C8
11	C9

5.5 MENU 5: SYSTEM

The user can edit the following display settings by using the submenu.

5.5.1 MENU 5.1: TIME AND DATE

MENU 5.1.1: Time and Date

Set lift time and date.

MENU 5.1.2: Time Zone

Selecting the time zone will automatically set daylight saving time.
The value “None” in this field will mean changing the time is manual.

IMPORTANT: the date and time can only be changed if they have already been activated in the project loaded on the display.

5.5.2 MENU 5.2: MENU LANGUAGE

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

5.5.3 MENU 5.3: VOLUME

MENU 5.3.1: Messages volume

Set the floor and alarm messages volume:
0 = Audio disabled, **1** = Volume at minimum, …, **10** = Volume at maximum.

MENU 5.3.2: Music volume

Set the music volume:
0 = Audio disabled, **1** = Volume at minimum, …, **10** = Volume at maximum.

MENU 5.3.3: Buzzer volume

Set the buzzer volume:
0 = Buzzer disabled, **1** = Volume at minimum, …, **10** = Volume at maximum.

MENU 5.3.4: Night mode

Set the night mode volume.

MENU 5.3.4.1: Messages volume

Set the volume for floor and alarm messages:
0 = Audio disabled, 1 = Volume at minimum, …, 10 = Volume at maximum.

MENU 5.3.4.2: Music volume

Set the music volume:
0 = Audio disabled, 1 = Volume at minimum, …, 10 = Volume at maximum.

MENU 5.3.4.3: Buzzer volume

Not used.

MENU 5.3.4.4: Start Time

Set the start time for night mode.

MENU 5.3.4.5: End Time

Set the end time for night mode.

MENU 5.3.4.6: Enable/Disable

Activate/Deactivate night mode.

MENU 5.3.7: Select channel

Audio output can be selected:

INT=Internal speaker only;
EST=External speaker only;
INT+EST=Internal and external speaker.

5.5.4 MENU 5.4: STANDBY

It is possible to set the energy saving mode (black screen) using this menu.

0 = Energy saving mode deactivated;
5 = Energy saving mode activated after 5 minutes of inactivity;
…
180 = Energy saving mode active after 180 minutes of inactivity.
Range= 1/2/3/4/5/10/30/60/120/180

6 BASIC CANOPEN SETTINGS

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

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

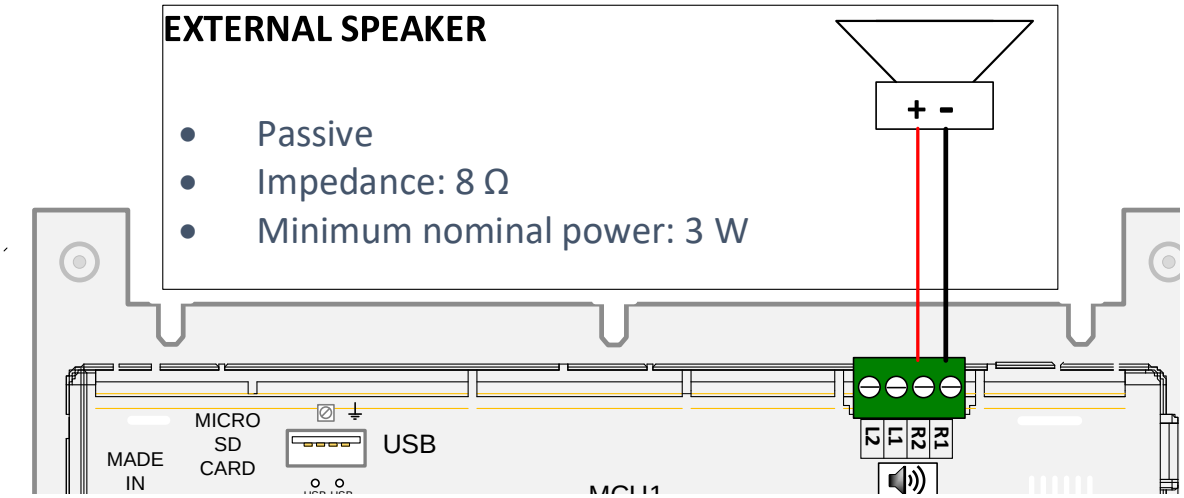
   0 is the car display, 1 is the bottom floor, 2 is the next one, etc. These settings can be changed by the Serial controller

7 AUDIO, VOICE SYNTHESIS

The display can reproduce floor announcements and alarm messages.
To make this possible, the audio files must be uploaded to the project, using Sirio Editor (see par. 7).

7.1 EXTERNAL SPEAKER

An external speaker can be connected. To activate the speaker, programme menu 5.3.7. correctly.

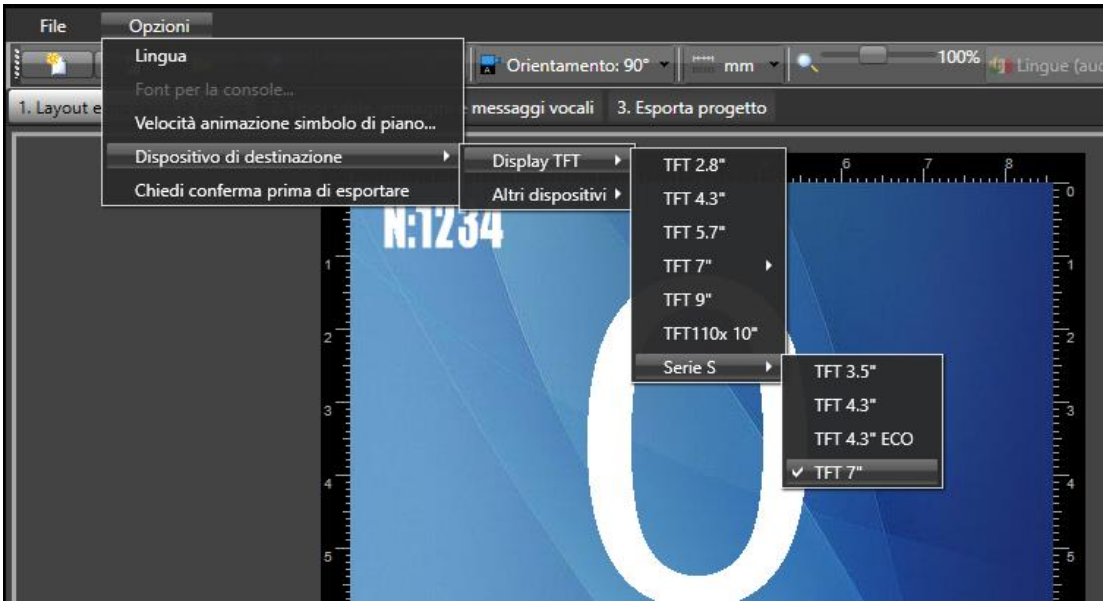


8 CREATING AND EXPORTING PROJECTS

Using Sirio Editor PC software, the floor, arrow and alarm symbols can be altered (character type and colour, descriptions, icons and audio messages), as well as the background images.

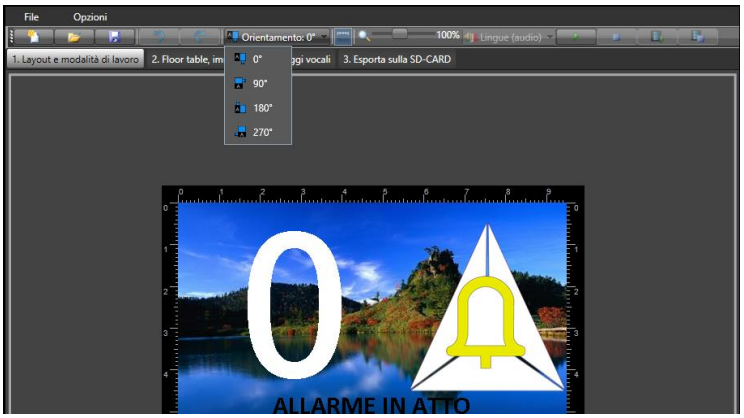
From a computer

- Create the project by choosing the display Series S TFT 7” on OPTIONS as the DESTINATION DEVICE.

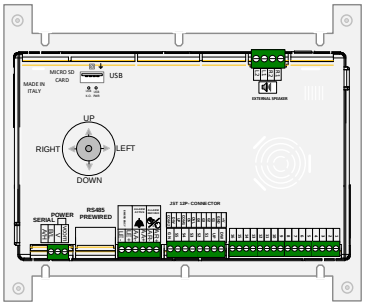


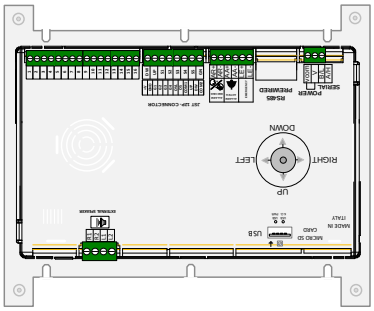
- Once completed, export from page “3. Export” in Sirio to a USB memory device.
  IMPORTING TO THE DISPLAY VIA USB:
- Power up the display;
- Insert the USB stick;
- Wait to load
- **IMPORTANT:** The USB stick can be removed after exporting is complete,

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

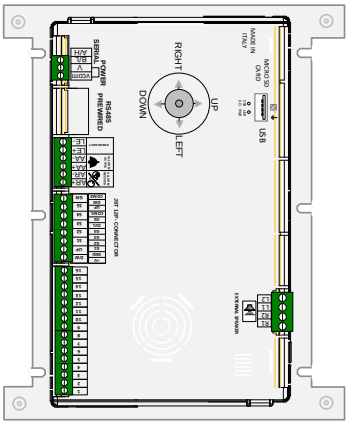


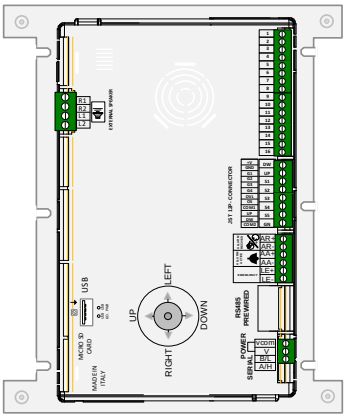
Horizontal **Orientation 0°** **Orientation 180°**



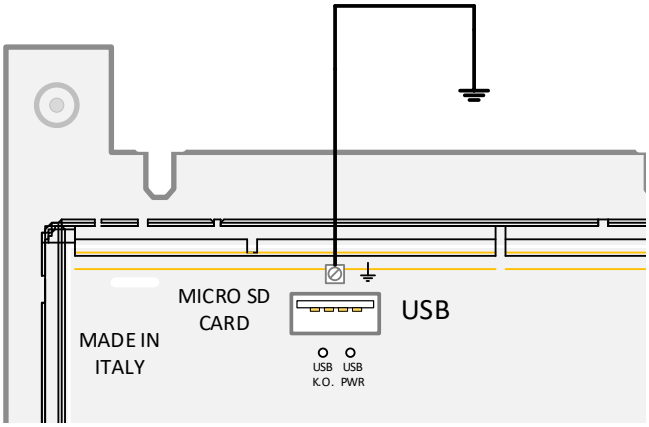


Vertical **Orientation 90°** **Orientation 270**

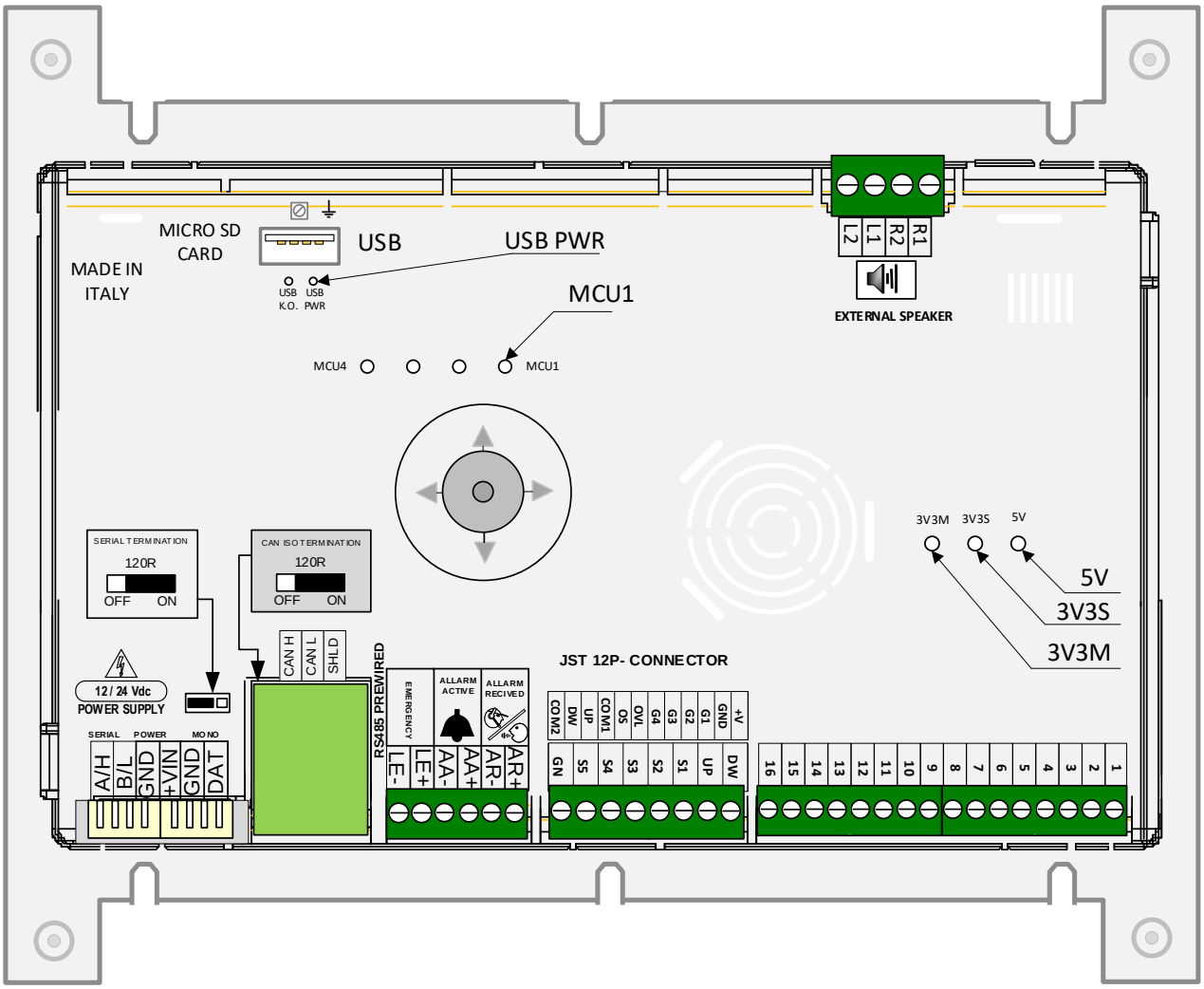




If the device is installed on a metal plate, remember to connect it to the earthing system.

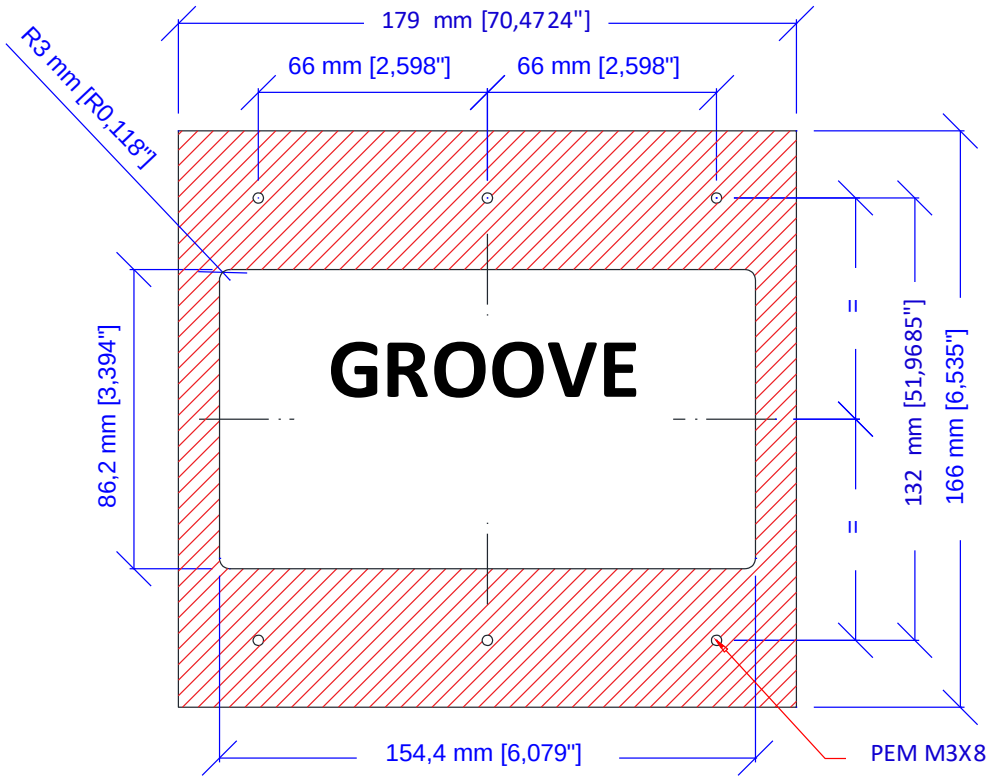


9 DIAGNOSTIC LED



LED	STATUS	DESCRIPTION
5V	ON	Internal power supply 5V
3V3S/3V3M	ON	3.3V internal power supply present
USB PWR	ON	USB power supply OK
MCU 1	OFF	Communication KO
	Flashing 1 sec	Serial Communication OK

10 DIMENSIONS



N.B.: measurements have a tolerance of ± 0.1 mm

dimensions in [mm]

ITALIAN STYLE FOR LIFTS

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CE