



ITALIAN STYLE FOR LIFTS

TFT430S-RC-XXX

FW:1.0.30 RC

USER MANUAL-ENGLISH



Rev.2

DOWNLOAD (Software/ firmware update):

<https://www.dropbox.com/sh/dw53ilfcylzqi1x/AACBJDcqoyUi3egxPPDFIcDQa?dl=0>

PARALLEL

DISPLAY CODE	GLASS THICKNESS
TFT430S-PAR	1 mm
TFT430S-PAR-2	2 mm
TFT430S-PAR-3	3 mm

SERIAL VEGA

DISPLAY CODE	GLASS THICKNESS
TFT430S-RC-SER	1 mm
TFT430S-RC-SER-2	2 mm

RS485

DISPLAY CODE	GLASS THICKNESS
TFT430S-RC-485	1 mm
TFT430S-RC-485-2	2 mm

SERIAL CAN

DISPLAY CODE	GLASS THICKNESS
TFT430S-RC-CAN	1 mm
TFT430S-RC-CAN-2	2 mm

SERIAL CAN OPEN

DISPLAY CODE	GLASS THICKNESS
TFT430S-RC-CI	1 mm
TFT430S-RC-CI-2	2 mm

OPTIONAL ITEMS

DESCRIPTION	CODE
1W external speaker with cable	CB2.JST20-SPEAK.0030
Cable for TFT4.3", 2-pin, 22 AWG wire cross section, JST-MMT, L: 20cm (No speaker included)	CB2.JST-MMT.0020
Anti-vandalism kit for 3mm plates	TFT4.3.VP.KIT.
Cable minispox 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)

Sommario

1	TECHNICAL DATA	5
2	WORKING MODE.....	5
3	PARALLEL WORKING MODES	6
3.1	SELECTION OF COMMON PLANE INPUTS AND ARROWS.....	6
3.2	1 WIRE PER FLOOR (1 WIRE)	7
3.3	BINARY, INVERTED BINARY, GRAY, BCD.....	8
3.4	7 SEGMENTS.....	11
3.1	STAND ALONE	12
4	SERIAL WORKING MODES.....	13
4.1	VEGA Serial (TFT430S-RC-SER)	13
4.2	RS485 Serial (TFT430S-RC-485).....	14
4.3	CAN (TFT430S-RC-CAN).....	15
4.4	CAN (TFT430S-RC-CI).....	16
5	DISPLAY PROGRAMMING.....	17
5.1	PROGRAMMING MENU	17
5.2	MENÙ 1: MODE & PROJECT	18
5.2.1	MENÙ 1.1: IMPORT PROJECT	18
5.2.2	MENÙ 1.2: SET MODE	18
5.2.3	M MENÙ 1.3: ADDRESS.....	18
5.2.4	MENÙ 1.4: SERIAL PARAMETER	19
5.2.5	MENÙ 1.5: SPECIAL FUNCTIONS	19
5.2.6	MENÙ 1.7: DUBLE PROJECT	19
5.2.7	MENÙ 1.8: FLIP SCREEN	20
5.3	MENÙ 2: FLOOR SYMBOLS.....	20
5.3.1	MENÙ 2.1: SET FIRST FLOOR.....	20
5.3.2	MENÙ 2.3: EDIT SYMBOLS	20
5.3.3	MENU 2.4: ACQUISITION	20
5.4	MENÙ 3: EDIT DATA.....	20
5.5	MENÙ 4: OPTIONS	21
5.5.1	MENÙ 4.1: SLIDESHOW.....	21
5.5.2	MENÙ 4.2: INPUT DEBOUNCE.....	21
5.5.3	MENU 4.3: Set Arrows→4.3.2 SHOW ARROWS.....	21
5.5.4	MENÙ 4.4: SET POLARITY.....	21
5.5.5	MENÙ 4.5: ALTERNATION	21
5.5.6	MENÙ 4.6: SET LOGO	21
5.5.7	MENÙ 4.7: SET ALARMS.....	22
5.5.8	MENÙ 4.8: AUDIO	22

5.6	MENÙ 5: SYSTEM	22
5.6.1	MENÙ 5.1: TIME & DATE.....	22
5.6.2	MENÙ 5.2: MENU LANGUAGE	22
5.6.3	MENÙ 5.3: VOLUME.....	22
5.6.4	MENÙ 5.4: STANDBY	22
6	CANOPEN BASIC SETTINGS	23
7	AUDIO, SPEECH SYNTHESIZER.....	23
7.1	EXTERNAL SPEAKER.....	23
8	CREATING AND EXPORTING PROJECTS.....	24
9	DIAGNOSTIC LED	26
10	DIMENSIONI	27

1 TECHNICAL DATA

Screen	4.3"	
Resolution	480 (RGB) x 272	
Display Area	95 x 53 [mm]	3.74" x 2.08"
Colours	65.000	
Pixel	0.198 x 0.198 [mm ²]	
Power Supply Voltage	12÷24 Vdc±10%	
Maximum current consumption	220 mA (12Vdc); 100mA (24Vdc)	
Operating temperature	-5°C / +50°C	-4°F / +158°F
Micro SD card (optional)	512 MB – 16 GB	
Graphics/Firmware Updates	USB A	
Images format	*.bmp, *.jpg, *.jpeg, *.png	
Life (100% brightness)	25.000 hours	

2 WORKING MODE

AVAILABLE ONLY FOR THE MODEL TFT430S-PAR:

Display	Description	Max Floor No. (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 , each segment corresponds to an input	-9, 29
DEMO	Lift virtual simulation with floors, arrows and alarms	16 (0,15)

AVAILABLE ONLY FOR THE MODEL TFT430S-RC-SER:

Display	Description	Max Floor No. (default range)
Serial V	VEGA Serial	32 (-9,32)

AVAILABLE ONLY FOR THE MODEL TFT430S-EC-485:

Display	Description	Max Floor No. (default range)
RS485 XX	Serial RS485. Select the operating mode according to the communication protocol of the control board.	32 (-9,32)

AVAILABLE ONLY FOR THE MODEL TFT430S-RC-CAN:

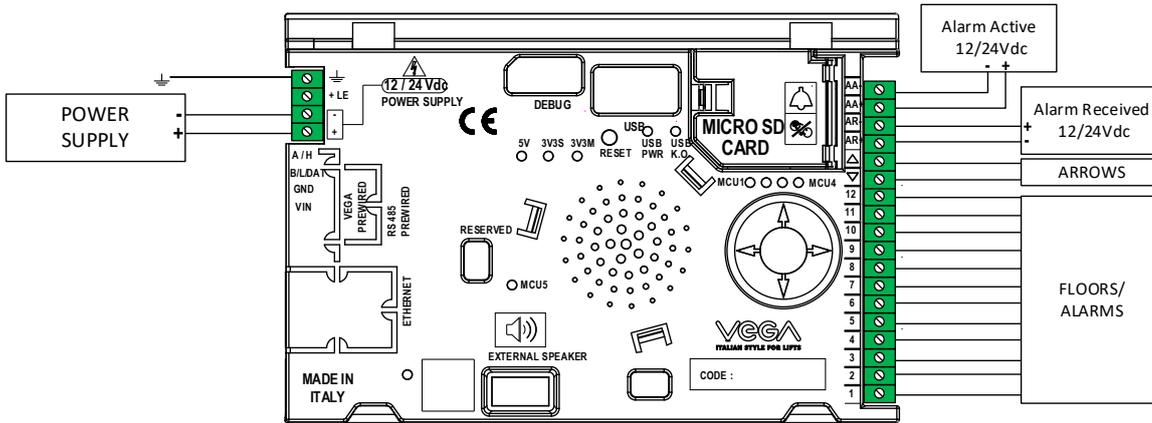
Display	Description	Max Floor No. (default range)
CAN XX	CAN XX Select the operating mode according to the communication protocol of the control board.	64 (-9,55)

AVAILABLE ONLY FOR THE MODEL TFT430S-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 PARALLEL WORKING MODES

Below we refer to the parallel modes: 1 Wire, Binary, Inverted binary, Gray, BCD, 7 segments.



3.1 SELECTION OF COMMON PLANE INPUTS AND ARROWS

You can select the common inputs of the planes and arrows via programming menu "4.4 polarity."

	FLOORS/ALARMS	ARROWS
COM. POSITIVE DISPLAY	<p>1 – 12 INPUT are NEGATIVE: Menu: 4 Options/ 4.4 polarity/ 4.4.1 Input polarity=Negative</p>	<p>ARROW INPUT NEGATIVE Menù: 4 Options/ 4.4 polarity/ 4.4.2 Arrow polarity=Negative</p>
COM. NEGATIVE DISPLAY	<p>1-12 INPUT are POSITIVE: Menù: 4 Options/ 4.4 polarity/ 4.4.1 Input polarity = Positive</p>	<p>ARROW INPUT POSITIVE: Menu: 4 Options/ 4.4 polarity/ 4.4.2 Input polarity = Positive</p>

3.2 1 WIRE PER FLOOR (1 WIRE)

PIN	DESCRIPTION	ICON *
+	+12÷24Vdc	
-	GND	
1-8	Floor inputs	
9	Fire Control	
10	Out of Service	
11	Overload	
12	GONG	--
	Down arrow	
	Up arrow	
AR+; AR-	Alarm received	
AA+; AA-	Alarm Active	
LE+; GND	Courtesy light	

* Messages and icons can be edited using the Vega SIRIO EDITOR software.

** Plant status number (frame) in the Vega SIRIO EDITOR software.

The ONE WIRE PER FLOOR MODE can be activated by setting **1.2 SET MODE= 1 WIRE**

ACTIVE INPUT	1	2	3	4	5	6	7	8
FLOOR*	0	1	2	3	4	5	6	7

The value shown when activating input 1 (lowest position) can be modified by parameter **2.1 SET FIRST FLOOR**, the values of the following inputs will be shifted accordingly.

3.3 BINARY, INVERTED BINARY, GRAY, BCD

PIN	DESCRIZIONE	ICONA*
+	+12÷24Vdc	
-	GND	
1-6	Floor Inputs	
7	Reserved	
8	Maintenance	
9	Fire Fighters	
10	Out of Service	
11	Overload	
12	GONG	--
	Arrow Down	
	Arrow Up	
AR+; AR-	Alarm Received	
AA+; AA-	Alarm Active	
LE+; GND	Courtesy light	

* Messages and icons can be edited using the Vega SIRIO EDITOR software.

** Plant status number (frame) in the Vega SIRIO EDITOR software.

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

The table refers to a display with the parameter **2.1 SET FIRST FLOOR = 0**, the position indication can be shifted by changing this value.

BCD	Inputs					BCD	Inputs				
	1	2	3	4	5		1	2	3	4	5
0	ON	ON	ON	ON	OFF	10	ON	ON	ON	ON	ON
1	OFF	ON	ON	ON	OFF	11	OFF	ON	ON	ON	ON
2	ON	OFF	ON	ON	OFF	12	ON	OFF	ON	ON	ON
3	OFF	OFF	ON	ON	OFF	13	OFF	OFF	ON	ON	ON
4	ON	ON	OFF	ON	OFF	14	ON	ON	OFF	ON	ON
5	OFF	ON	OFF	ON	OFF	15	OFF	ON	OFF	ON	ON
6	ON	OFF	OFF	ON	OFF	16	ON	OFF	OFF	ON	ON
7	OFF	OFF	OFF	ON	OFF	17	OFF	OFF	OFF	ON	ON
8	ON	ON	ON	OFF	OFF	18	ON	ON	ON	OFF	ON
9	OFF	ON	ON	OFF	OFF	19	OFF	ON	ON	OFF	ON

IMPORTANT: to use BCD, set the parameter **2.1 SET FIRST FLOOR = 0**. The input I6 activates the minus sign. If the inputs I5 and I6 are both ON, only the tens will be displayed.

Gray	Inputs						Gray	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

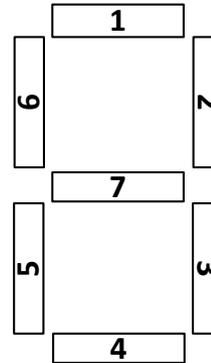
The table refers to a display with the parameter **2.1 SET FIRST FLOOR = 0**, the position indication can be shifted by changing this value.

3.4 7 SEGMENTS

The 7 SEGMENTS coding can be activated by setting **1.2 SET MODE = 7 SEG.**

PIN	DESCRIZIONE	ICONS*
+	+12÷24Vdc	
-	GND	
1-7	Units Inputs	
8	Tens (1X)	
9	Twenty (2X)	
10	Minus "- "	
11	Overload	
12	GONG	--
	Down Arrow	
	Up Arrow	
AR+; AR-	Alarm Received	
AA+; AA-	Alarm Active	
LE+; GND	Courtesy Light	

UNITS



INPUT	DIGIT
1	a
2	b
3	c
4	d
5	e
6	f
7	g

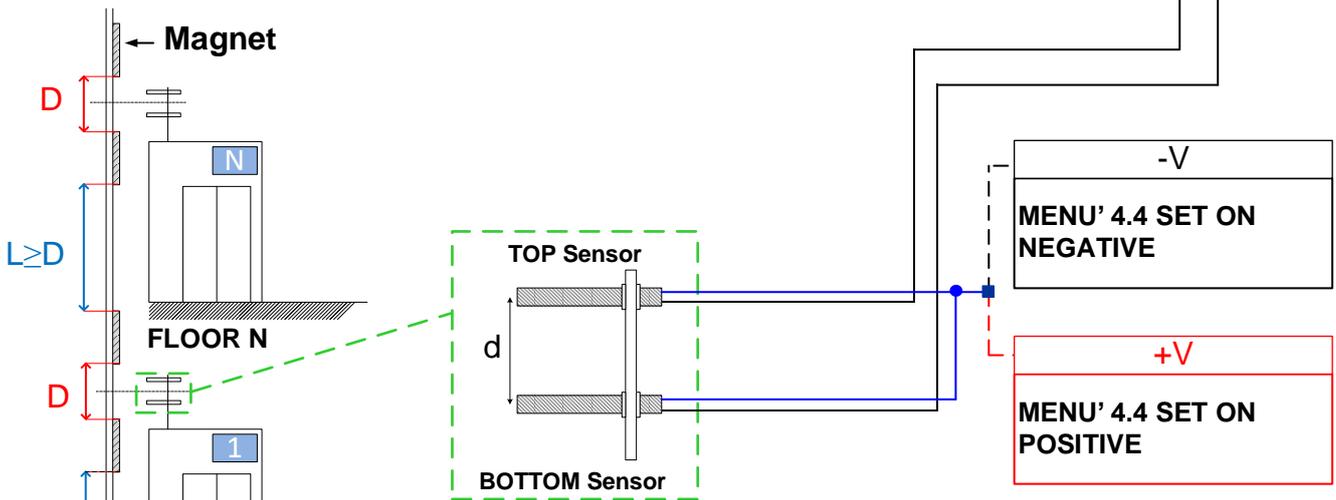
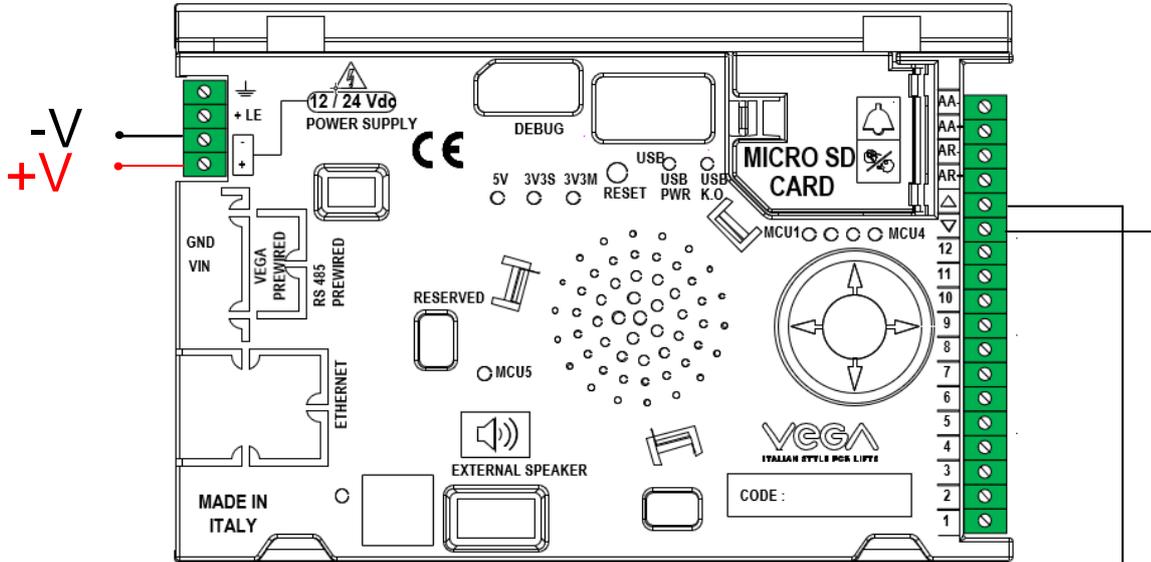
3.1 STAND ALONE

Stand Alone mode can be activated with the parameter:

1.2 Set Mode = Stand Alone NO if you're going to use sensors normally open.

1.2 Set Mode = Stand Alone NC if you're going to use sensors normally close.

The speed of the elevator must be between the value: $V_{min} = 0.4 \text{ m/s}$ - $V_{MAX} = 2 \text{ m/s}$.



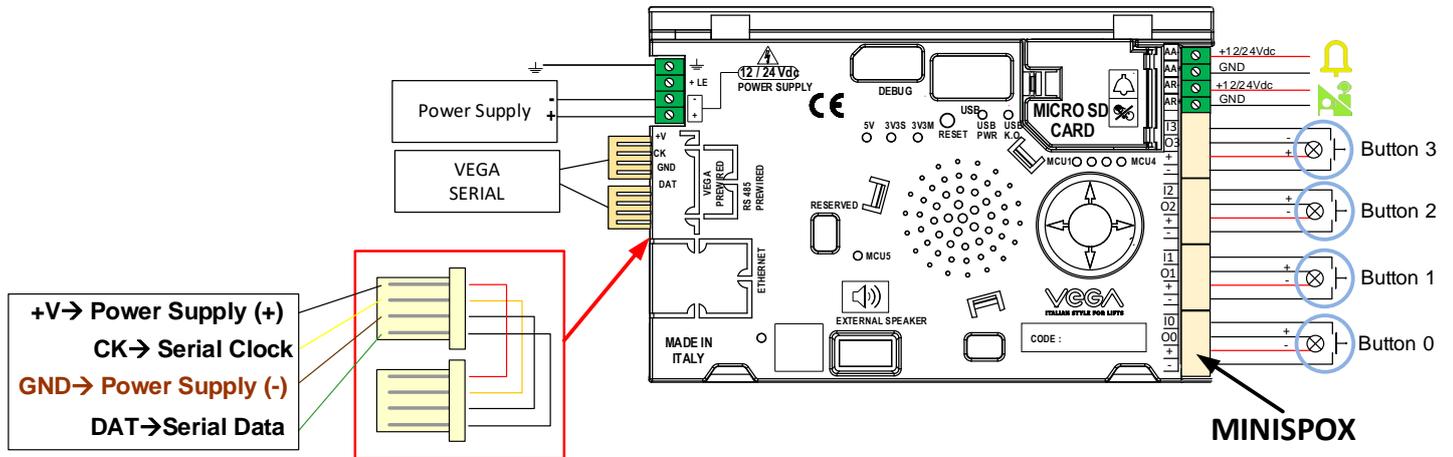
- Minimum magnet length: 12 cm
- Maximum magnet-sensor length : $h = 2.5 \text{ cm}$
- Distance between the 2 sensors: $d = 6 \text{ cm}$

Velocità acsensore (m/s)	D = distanza minima tra magneti (cm)
0.5	30
0.8	45
1	60
1.2	70
1.4	80
1.6	90

N.B. The main floor is the only one with 3 magnets. The central magnet it's located above the top sensor, and another magnet under the bottom sensor. The value of the main floor can be modified in the parameter 2.1 FIRST FLOOR

4 SERIAL WORKING MODES

4.1 VEGA Serial (TFT430S-RC-SER)

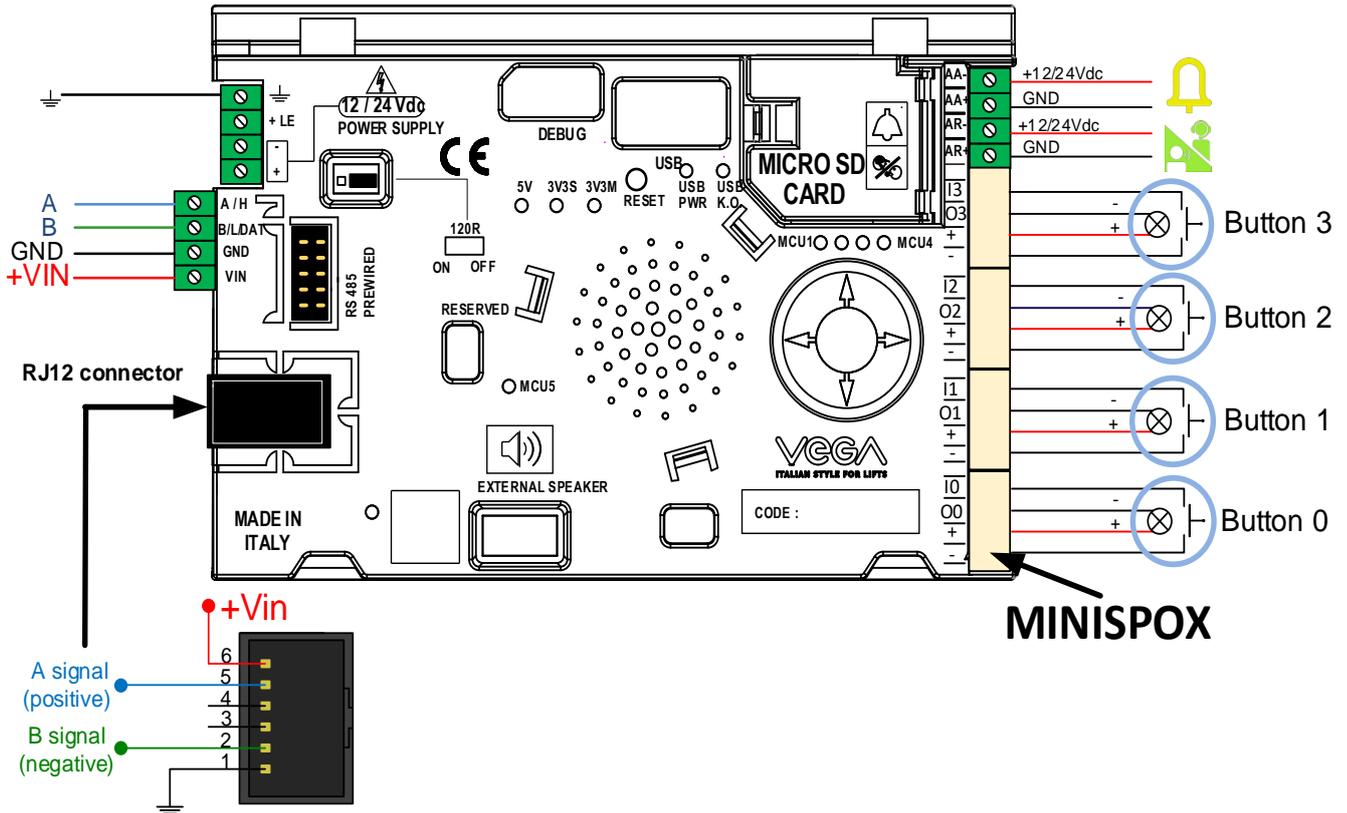


The VEGA Serial mode can be activated by setting **1.2 SET MODE = SERIAL V.**

For correct operation of call collection, set **menu 1.3 Address.**

INTER FLOOR CABLE		BOARD CABLE	
Code	Length (m)	Code	Length (m)
CB4.EXC-EXC.0040	0,4	CB_VG0019	0,4
CB4.EXC-EXC.0150	1,5	CB_VG0029	5
CB4.EXC-EXC.0300	3	CB_VG0030	10
CB4.EXC-EXC.0500	5	CB_VG0031	20
CB4.EXC-EXC.0800	8		
CB4.EXC-EXC.1000	10		
CB4.EXC-EXC.1500	15		

4.2 RS485 Serial (TFT430S-RC-485)

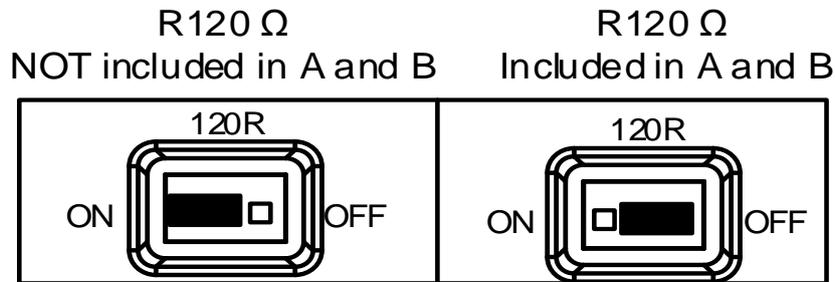


For correct operation of call collection, set **menu 1.3 Address**.

Parallel inputs can activate alarms, depending on the communication protocol.

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 insert the R120Ω jumper to ON:

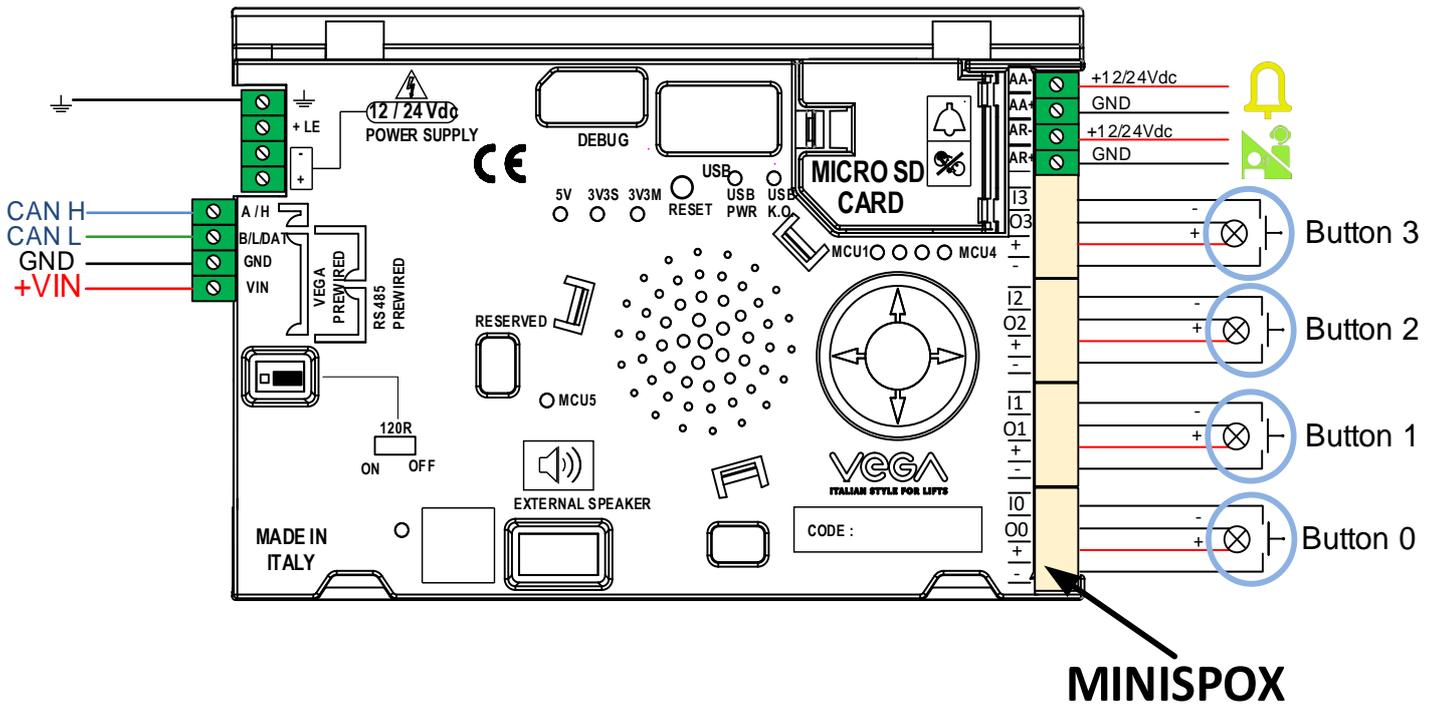


PIN	DESCRIPTION	ICON*
+	+12÷24Vdc	
-	GND	
AR+; AR-	Alarm Received	
AA+; AA-	Alarm Active	

* Messages and icons can be edited using the Vega SIRIO EDITOR software.

** Plant status number (frame) in the Vega SIRIO EDITOR software.

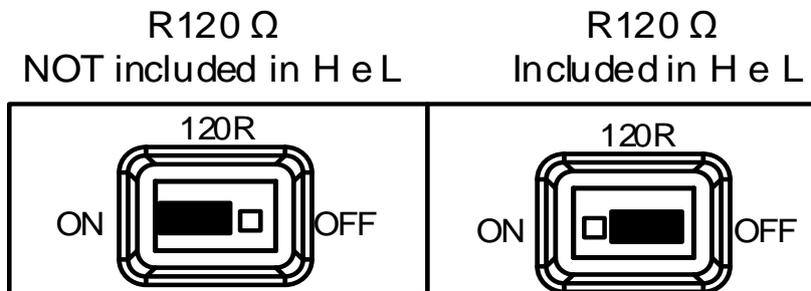
4.3 CAN (TFT430S-RC-CAN)



For correct operation of call collection, set **menu 1.3 Address**.

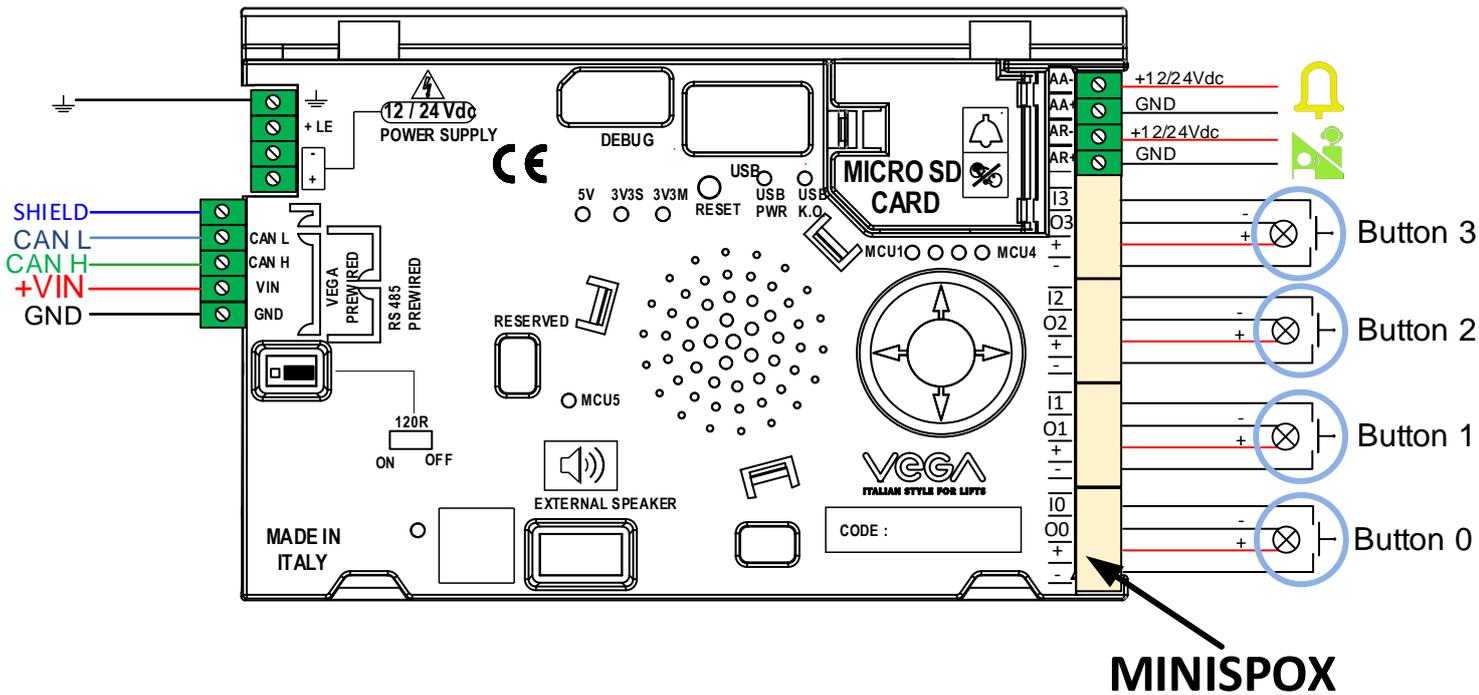
IMPORTANT: If multiple devices are installed on the same serial bus, for a proper communication, the terminating resistor must be enabled on the master device and **ONLY** on the last slave device.

To enable terminating resistor on the TFT insert the R120Ω jumper to ON:



PIN	DESCRIPTION	ICON*
+	+12÷24Vdc	
-	GND	
AR+; AR-	Alarm Received	
AA+; AA-	Alarm Active	

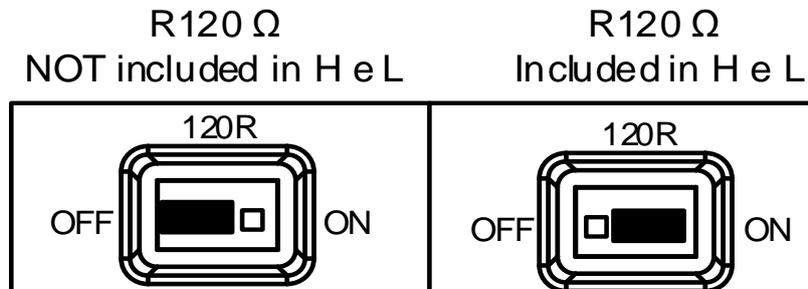
4.4 CAN (TFT430S-RC-CI)



For correct operation of call collection, set **menu 1.3 Address**.

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.

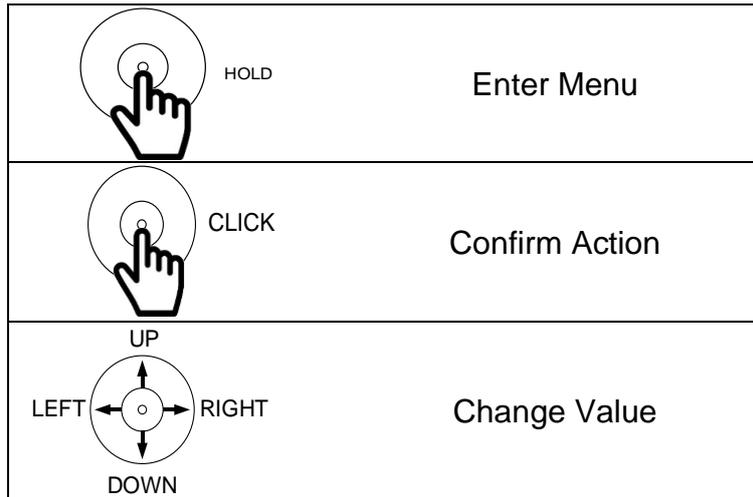
To enable terminating resistor on the TFT insert the R120Ω jumper to ON:



PIN	DESCRIPTION	ICON*
+	+12÷24Vdc	
-	GND	
AR+; AR-	Alarm Received	
AA+; AA-	Alarm Active	

5 DISPLAY PROGRAMMING

Use the joystick on the rear of the device to enter, and navigate the programming menu.



5.1 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*			
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*	
5.4 STANDBY	5.3.7 SET CHANNEL		

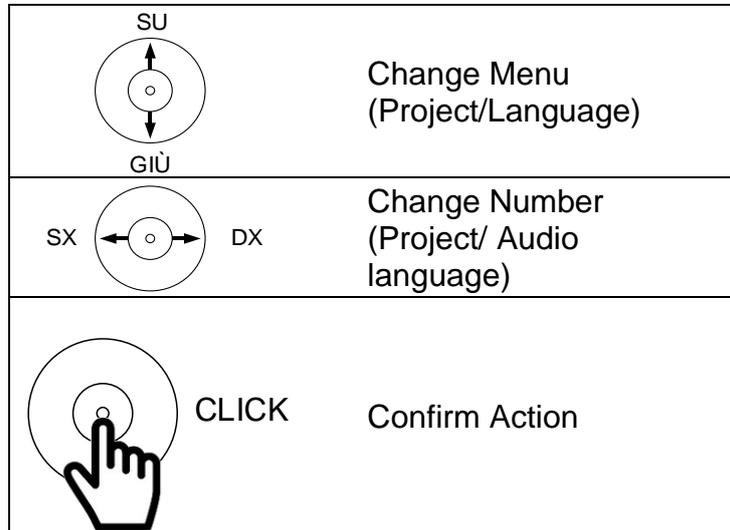
*NOT USED

5.2 MENÙ 1: MODE & PROJECT

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

5.2.1 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".

5.2.2 MENÙ 1.2: SET MODE

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

5.2.3 M MENÙ 1.3: ADDRESS

Set the parameter following the table below.

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	

5.2.4 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

5.2.5 MENÙ 1.5: SPECIAL FUNCTIONS

NOT USED

5.2.6 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

5.2.7 MENÙ 1.8: FLIP SCREEN

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

5.3 MENÙ 2: FLOOR SYMBOLS

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

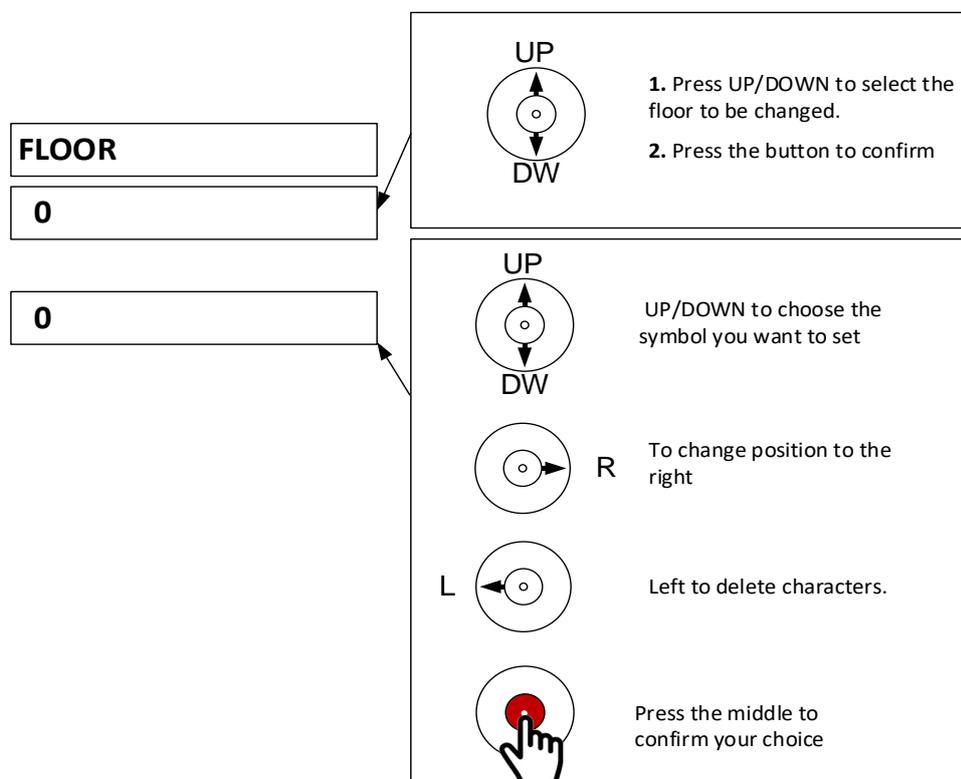
5.3.1 MENÙ 2.1: SET FIRST FLOOR

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

5.3.2 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.



5.3.3 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.

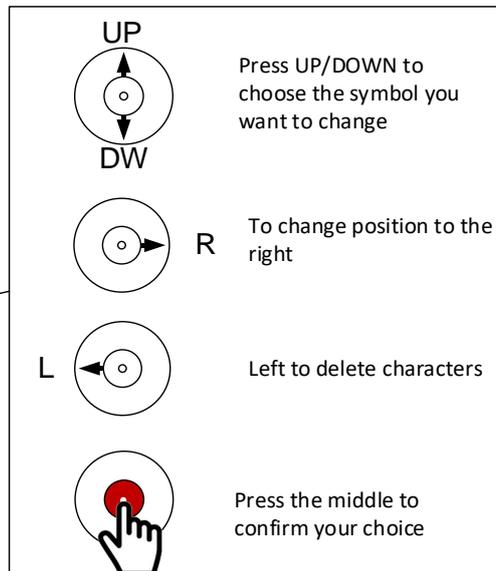
5.4 MENÙ 3: EDIT DATA

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).

3.1 CAPACITY

630 KG 8 PERS



5.5 MENU 4: OPTIONS

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

5.5.1 MENU 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.

5.5.2 MENU 4.2: INPUT DEBOUNCE

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

5.5.3 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)

5.5.4 MENU 4.4: SET POLARITY

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

5.5.5 MENU 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.

5.5.6 MENU 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.

5.5.7 MENÙ 4.7: SET ALARMS

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

5.5.8 MENÙ 4.8: AUDIO

NOT USED

5.6 MENÙ 5: SYSTEM

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

5.6.1 MENÙ 5.1: TIME & DATE

NOT USED

5.6.2 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.

5.6.3 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.

5.6.4 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

6 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 ADDRESSNormally addresses 16-20 are reserved for cabin devices,> 20 landing devices
3. Select the address of the device on the lift.:
 - 1.3 ADDRESS0 is the car display, 1 is the lowest floor, 2 is next one up etc. This setting can be changed by the serial controller

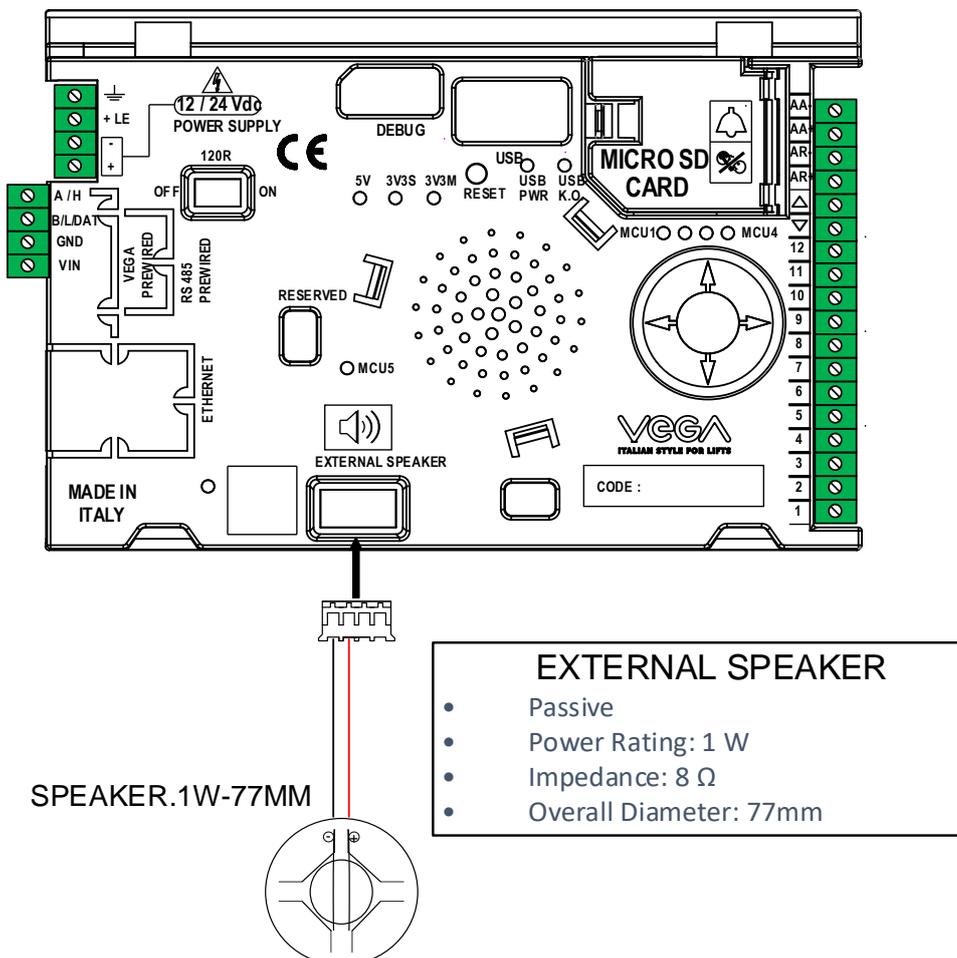
7 AUDIO, SPEECH SYNTHESIZER

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).

7.1 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.

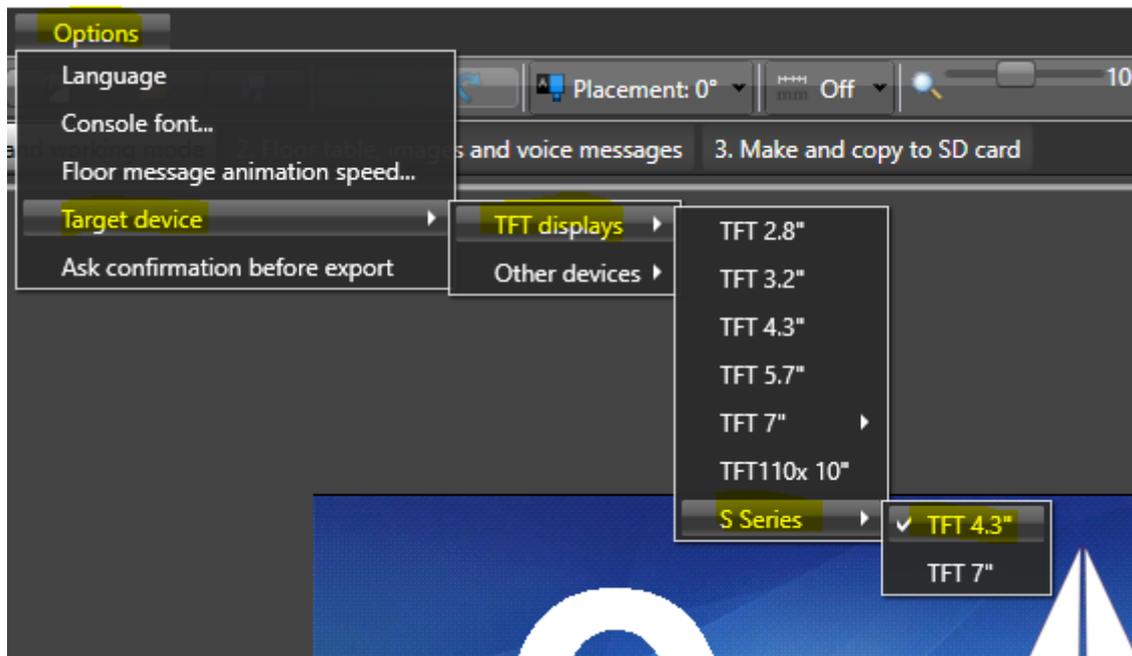


8 CREATING AND EXPORTING PROJECTS

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 TFT43XS display as TARGET DEVICE.



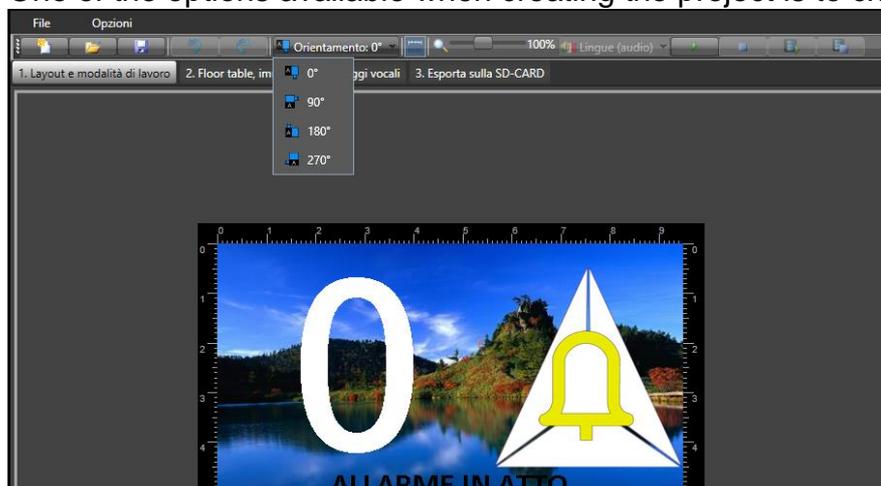
- Once made, export it from the "3. Export" page of the Sirius to a USB memory device.

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:

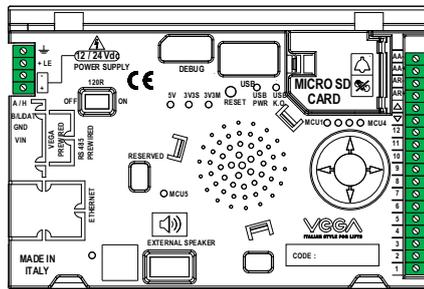
One of the options available when creating the project is to choose the orientation of the display:



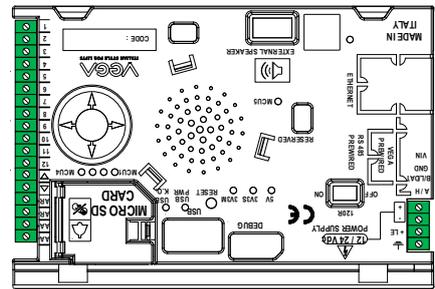
Horizontal



Placement 0°



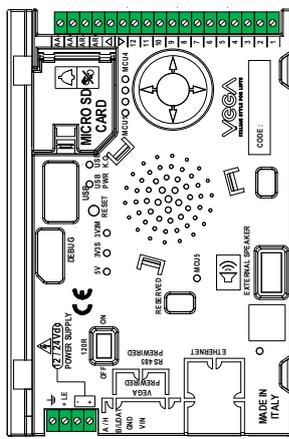
Placement 180°



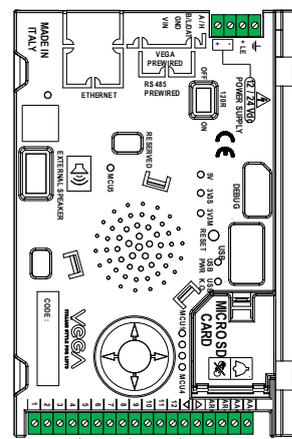
Vertical



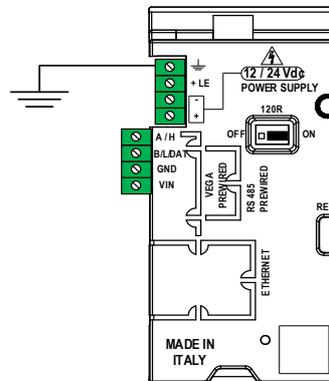
Placement 90°



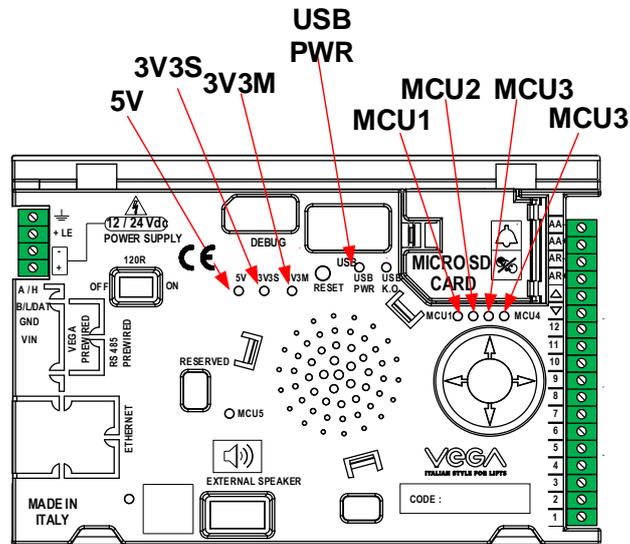
Placement 270°



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

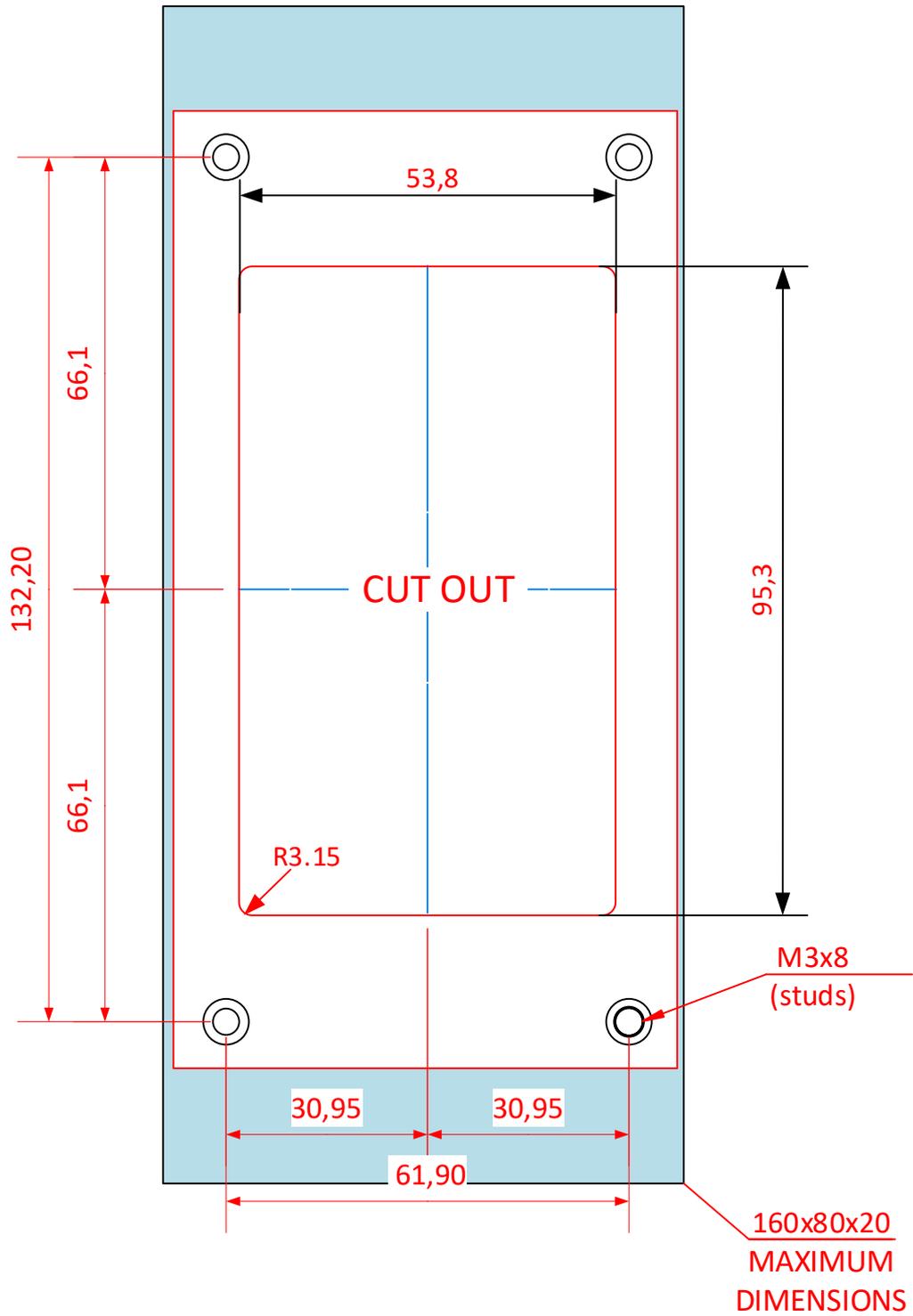


9 DIAGNOSTIC LED



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

10 DIMENSIONI



Dimensions are in [mm]



Via degli Appennini 11-13, Contrada Capparuccia
63845 Ponzano di Fermo (FM)-ITALY

Phone: +39 (0)734 631941

Fax: +39 (0)734 636098

info@vegalift.it

