ITALIAN STYLE FOR LIFTS

TFT350S

USER MANUAL
ENGLISH

Rev.6

DOWNLOAD (Software/firmware update):
http://vegaplanner.vegalift.it/ftp/Software/SirioEditor/SirioEditor_v7.8.5.0.zip

PARALLEL

DISPLAY CODE	GLASS THICKNESS
TFT350SM-RF-PAR-2	2 mm

VEGA SERIAL

DISPLAY CODE	GLASS THICKNESS
TFT350SM-RF-RC-SER-2	2 mm

SERIAL RS485

DISPLAY CODE	GLASS THICKNESS
TFT350SM-RF-RC-485-RJ12-2	2 mm
TFT350SM-RF-RC-485-MRS-IDC-2	2mm

SERIAL CAN

DISPLAY CODE	GLASS THICKNESS
TFT350SM-RF-RC-CI-2	2 mm

SERIAL SAF

DISPLAY CODE	GLASS THICKNESS
TFT350SM-RF-KNS-2	2 mm

Summary

1 TECHNICAL DATA

Screen	3.5”	
Resolution	480 (RGB) x 320	
Display Area	74 x 49 [mm]	2.91” x 1.93”
Colours	65.000	
Pixel	0.198 x 0.198 [mm^2]	
Power Supply Voltage	12÷24 Vdc ±10%	
Maximum current consumption	160 mA (12Vdc); 100mA (24Vdc)	
Operating temperature	-5°C / +50°C	-23°F / +122°F
Graphics/Firmware Updates	USB tipo C	
Images format	*.bmp, *.jpg, *.jpeg, *.png	
Life (100% brightness)	25.000 ore	

2 WORKING MODE

AVAIABLE ONLY ON TFT350SM-RF-PAR-2:

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
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)

AVAILABLE ONLY FOR THE MODEL TFT350SM-RF-RC-SER-2

Display	Description	Max Floor No. (default range)
Serial V	Serial VEGA. Allows you to connect the display to the vega serial	32 (-9,32)

AVAILABLE ONLY FOR THESE MODELS:
TFT350SM-RF-RC-485-RJ12-2 and TFT350SM-RF-RC-485-MRS-IDC-2

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

AVAILABLE ONLY FOR THE MODEL TFT350SM-RF-RC-CI-2:

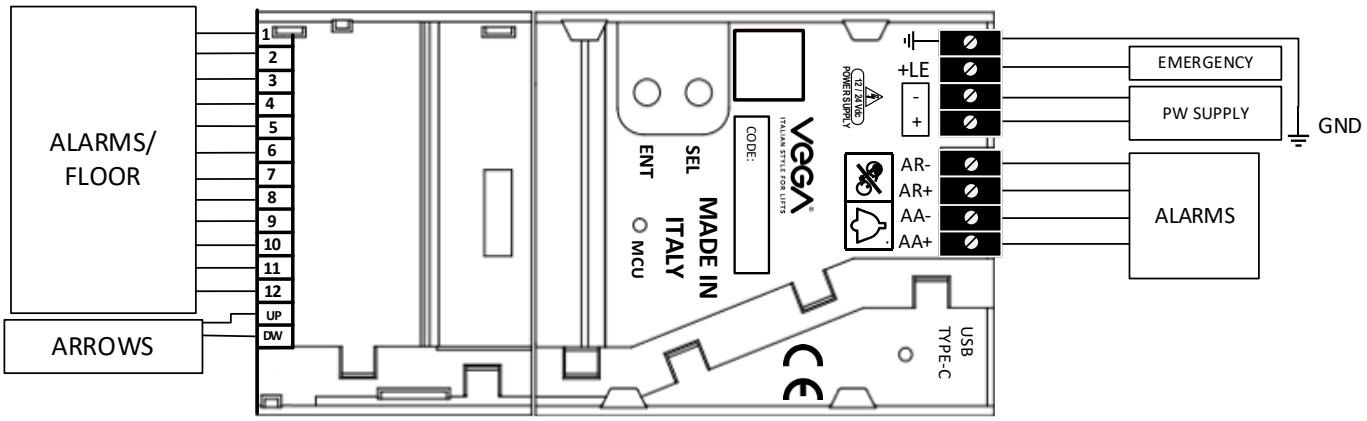
Display	Description	Max Floor No. (default range)
CAN XX	Serial CAN. Select the operating mode according to the communication protocol of the panel board.	32 (-9,32)

AVAILABLE ONLY FOR THE MODEL TFT350SM-RF-KNS-2:

Display	Description	Max Floor No. (default range)
Serial SAF	Serial SAF. Select the operating mode according to the communication protocol of the panel board.	----

3 PARALLEL WORKING MODES

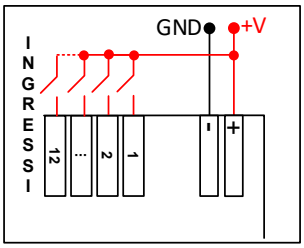
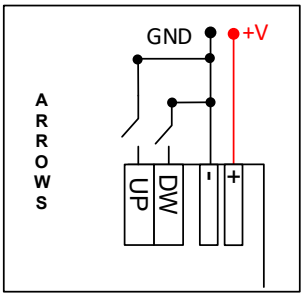
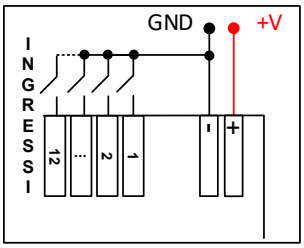
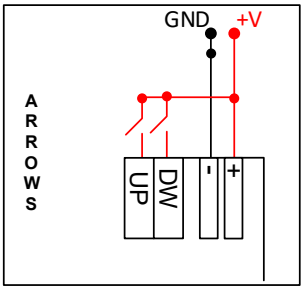
Below we refer to the parallel modes: 1 Wire, Binary, Inverted binary, Gray, BCD, 7 segments.



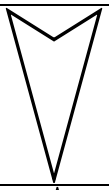
3.1 SELECTING FLOORS AND ARROWS COMMON INPUTS

It is possible to select the common inputs of the floors and the arrows through the programming menu “4.4 polarity”.

Note: in case of **STAND ALONE** mode (chapter 3.5), the polarity of inputs and arrows set from the menu must be the same. In case of different polarity settings between inputs and arrows in the STAND ALONE modes, the polarity of the arrows is used for both the inputs and the arrows.

FLOOR/ALARMS	ARROWS
INPUTS from 1 to 12 POSITIVE: Menù: 4 Options/4.4 polarity/ **4.4.1 Inputs polarity =Positive** 	**Arrows inputs POSITIVE:** Menu: 4 Options/4.4 Polarity/ **4.4.2 ArrowPolarity=Positive** 
INPUTS from 1 to 12 NEGATIVE: Menù: 4 Options/4.4 polarity/ **4.4.1 Inputs polarity =Negative** 	**Arrows inputs NEGATIVE:** Menu: 4 Options/4.4 Polarity/ **4.4.2 ArrowPolarity=Negative** 

3.2 1 WIRE FOR FLOOR (1 WIRE)

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

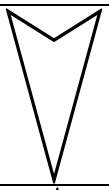
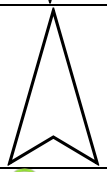
* Messages and icons can be edited using the Vega SIRIO EDITOR software.
** Plant status number (frame) in the Vega SIRIO EDITOR software.

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	DESCRIPTION	ICON*
+	+12÷24Vdc	
-	GND	
1-6	Floor Inputs	
7	Reserved	
8	Maintenance	
9	Fire Fighters	
10	Out of Service	
11	Overload	
12	GONG	--
DW	Arrow Down	
UP	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					
		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	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 with the parameter **2.1 SET FIRST FLOOR = 0**, the position indication can be shifted by changing this value.

BCD	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	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

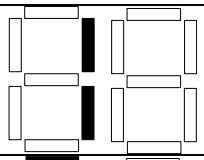
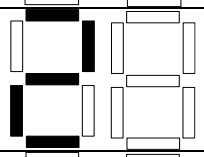
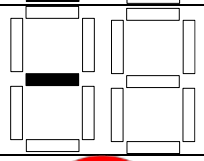
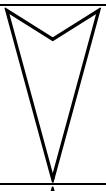
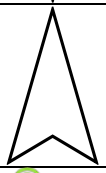
IMPORTANT: to use BCD, set the parameter **2.1 SET FIRST FLOOR = 0.** The input I6 activates the minus sign. If the inputs I5 and I6 are both ON, only the tens will be displayed.

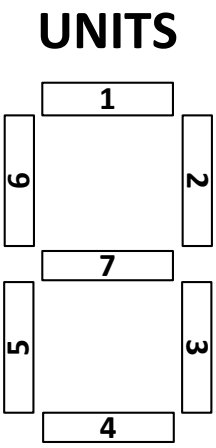
Gray	Inputs						Gray	Inputs					
	1	2	3	4	5	6		1	2	3	4	5	6
0	OFF	OFF	OFF	OFF	OFF	OFF	32	OFF	OFF	OFF	OFF	ON	ON
1	ON	OFF	OFF	OFF	OFF	OFF	33	ON	OFF	OFF	OFF	ON	ON
2	ON	ON	OFF	OFF	OFF	OFF	34	ON	ON	OFF	OFF	ON	ON
3	OFF	ON	OFF	OFF	OFF	OFF	35	OFF	ON	OFF	OFF	ON	ON
4	OFF	ON	ON	OFF	OFF	OFF	36	OFF	ON	ON	OFF	ON	ON
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	DESCRIPTION	ICON*
+	+12÷24Vdc	
-	GND	
1-7	Units Inputs	
8	Tens (1X)	
9	Twenty (2X)	
10	Minus “- “	
11	Overload	
12	GONG	--
DW	Down Arrow	
UP	Up Arrow	
AR+; AR-	Alarm Received	
AA+; AA-	Alarm Active	
LE+; GND	Courtesy Light	



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

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

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

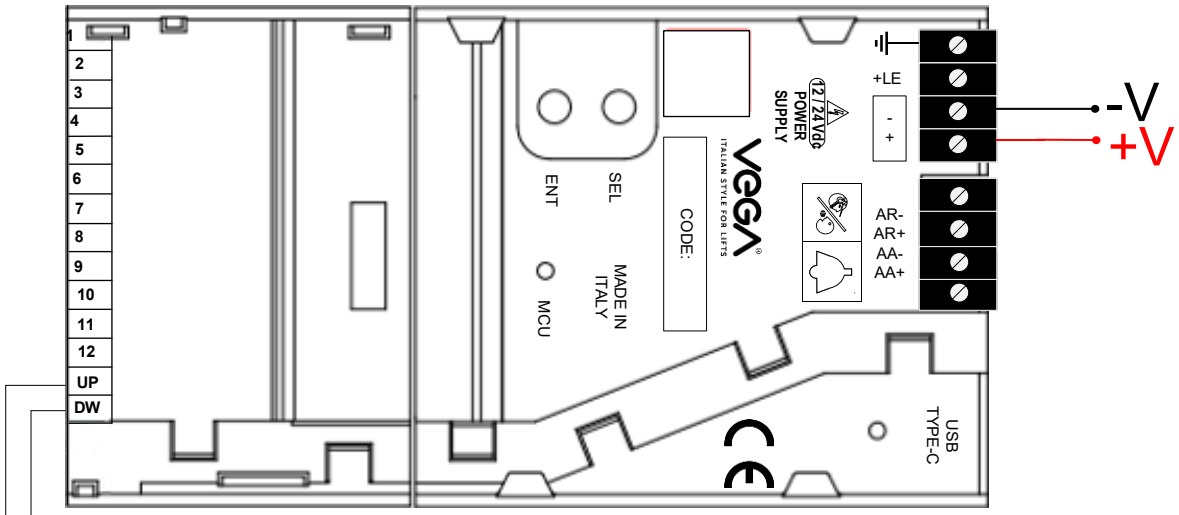
3.5 STAND ALONE

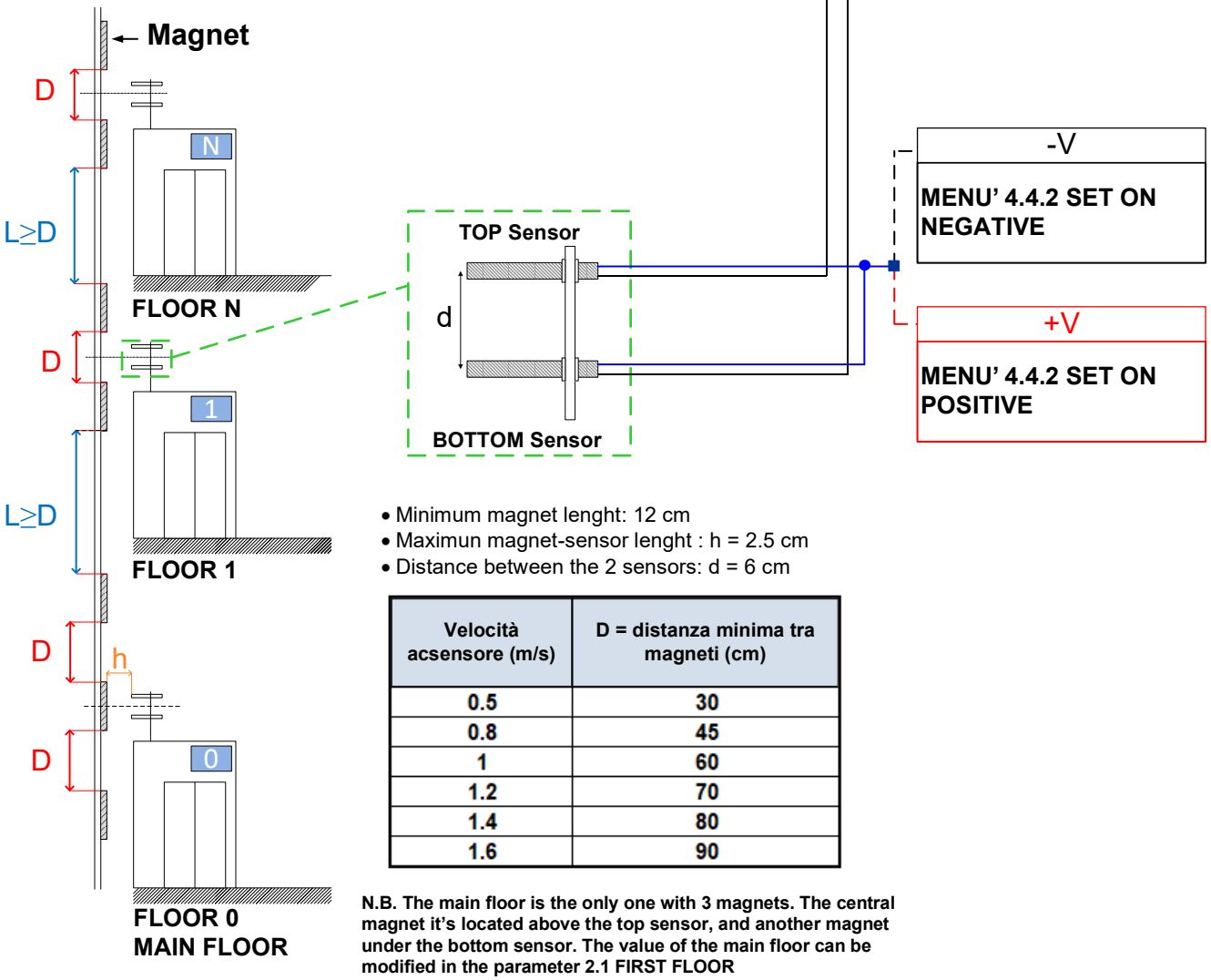
Stand Alone mode can be activated with the parameter:

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: **Vmin = 0.4 m / s - VMAX = 2 m / s**.





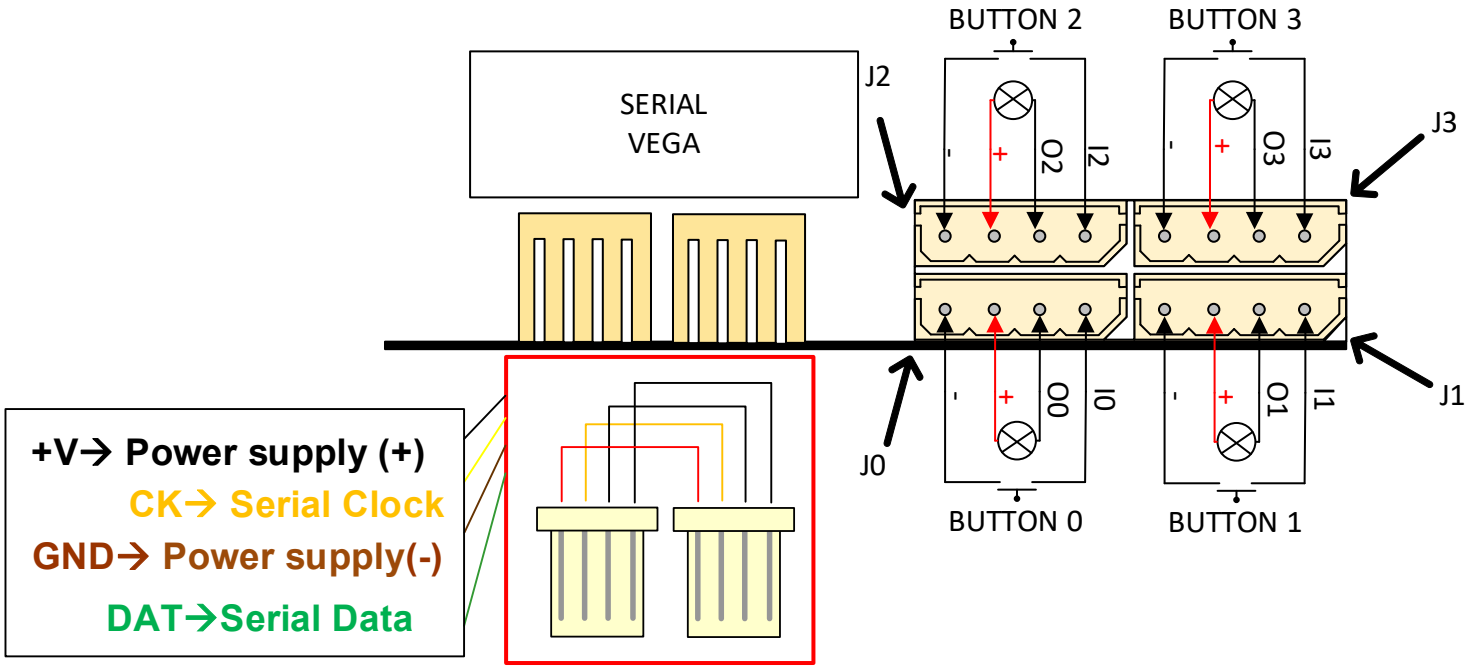
- Minimum magnet lenght: 12 cm
- Maximun magnet-sensor lenght : h = 2.5 cm
- Distance between the 2 sensors: d = 6 cm

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 (TFT350SM-RF-RC-SER-2)

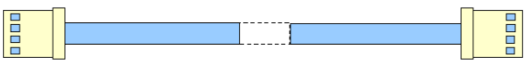


The SERIAL VEGA mode can be activated by setting **1.2 SET MODE = SERIAL V**.

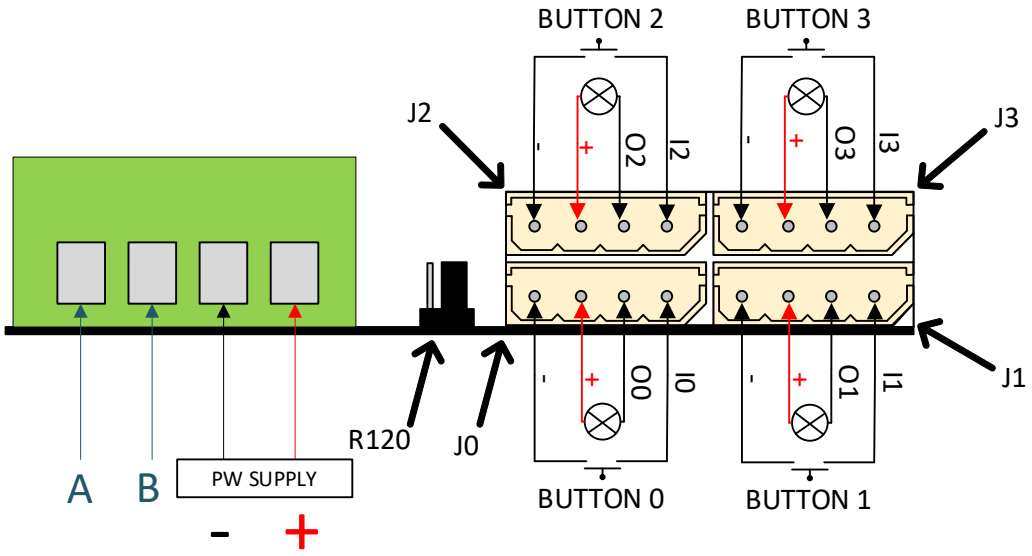
For the correct functioning of the call collection, set the **menu 1.3 Address**.

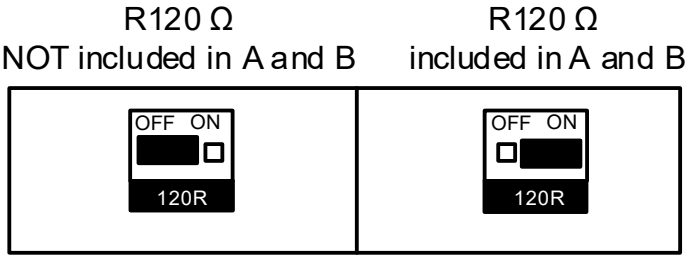
The parallel inputs can activate the following alarms:

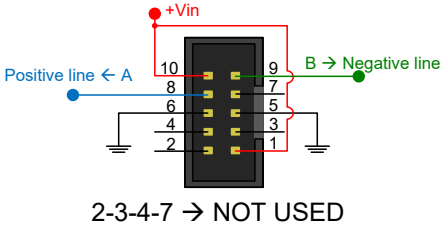
PIN	DESZCRIPTION	ICON
+	+12÷24Vdc	
-	GND	
AR+; AR-	Allarm Active	
AA+; AA-	Allarm Recived	

INTER-FLOOR CABLE		CONTROL BOARD-DISPLAY CABLE	
			
Codes	**Lenght (m)**	**Codes**	**Lenght (m)**
CB4.EXCEXC.0040	0,4	CB_VG0019	0,4
CB4.EXCEXC.0150	1,5	CB_VG0029	5
CB4.EXCEXC.0300	3	CB_VG0030	10
CB4.EXCEXC.0500	5	CB_VG0031	20
CB4.EXCEXC.0800	8		
CB4.EXCEXC.1000	10		

4.2 SERIAL RS485 (TFT350SM-RF-RC-485-RJ12-2 and TFT350SM-RF-RC-485-MRS-IDC-2)







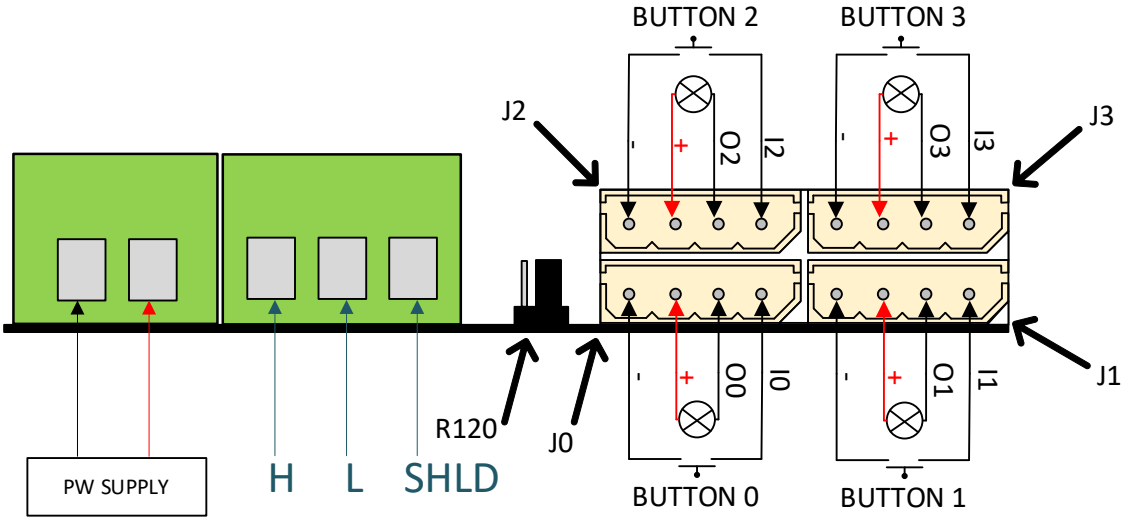
Parallel inputs can activate alarms, depending on the communication protocol.
IMPORTANT: If multiple devices are installed on the same serial bus, for a proper communication, the terminating resistor must be enabled on the master device and ONLY on the last slave device.
To enable terminating resistor on the TFT insert the R120Ω jumper to ON:

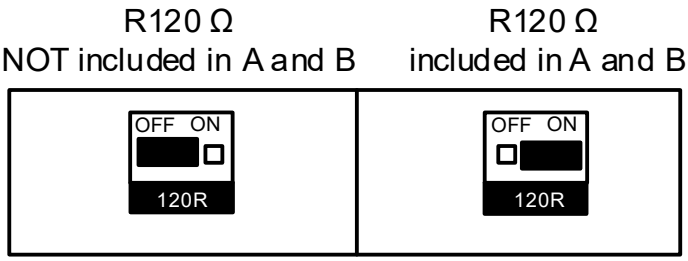
PIN	DESCRIPTION	ICON*
+	+12÷24Vdc	
-	GND	
AR+; AR-	Alarm Received	
AA+; AA-	Alarm Active	

* 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 (TFT350SM-RF-RC-CI-2)





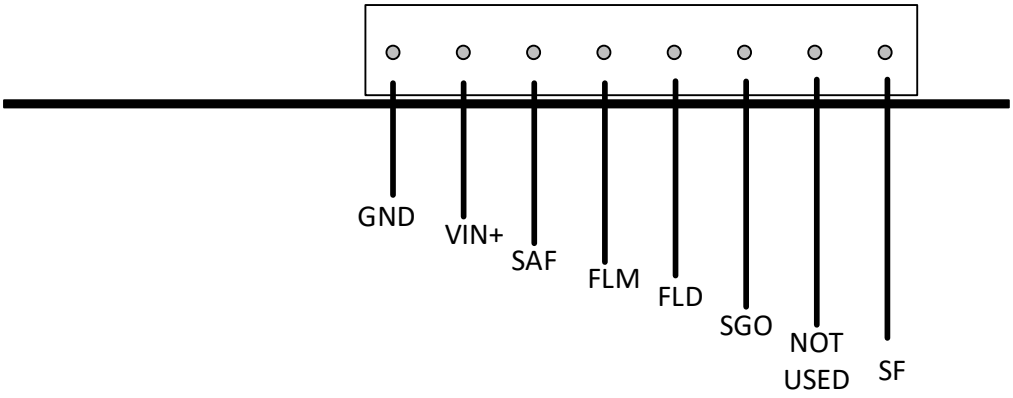
IMPORTANT: If multiple devices are installed on the same serial bus, for a proper communication, the terminating resistor must be enabled on the master device and ONLY on the last slave device.
To enable terminating resistor on the TFT insert the R120Ω jumper to ON:

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.

4.4 KNS (TFT350SM-RF-KNS-2)



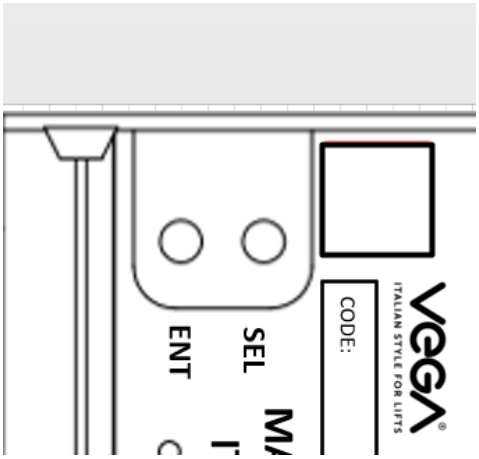
PIN	DESCRIPTION	ICON*
+	+12÷24Vdc	
-	GND	
AR+; AR-	Alarm Received	
AA+; AA-	Alarm Active	

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

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

5 DISPLAY PROGRAMMING

Use the two buttons SELECT ed ENTER on the rear of the device to enter and navigate the programming menu'.



Press **ENT** button for 2 sec.	Enter in the menu.
Press **ENT** button.	Confirm your choice.
Press **SEL** button.	Scroll the values.

5.1 PROGRAMMING MENÙ

1. Mode & 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*
		1.5.7 Tones associated with arrows*
		1.5.8 Delay between gong and floor*
	1.7 Double Project	1.7.2 Select Current Project
	1.8 Flip Screen	

2. Floor Symbols	2.1 Set first floor	
	2.3 Edit Symbols	
	2.4 Acquisition	

4. Options	4.1 Slideshow	
	4.2 Input Debounce	
	4.3 Set Arrows	4.3.1 Arrow Animation Mode
		4.3.2 Show arrows
		4.3.3 Arrow blinking
	4.4 Polarity	4.4.1 Input Polarity
		4.4.2 Arrows 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 Custom Logo
		4.6.2 Standby Logo
	4.7 Set Alarms	4.7.1 Alarms blinking
		4.7.2 Set Alarm Priority
		4.7.3 Audio loop time
	4.8 Audio	4.8.2 Beep Button
	4.11 Call Collecting	
	4.12 Input Parameter	

5. Sistema	5.2 Menu' Language	
	5.3 Volume	5.3.3 Buzzer Volume
	5.4 Standby	
	5.8 Brightness	

*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 1.2: SET MODE

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

5.2.2 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
	CAR	0
		1 = 1-tone/2-tone function (all floors)
BINARY INV. BINARY GRAY	FLOOR	0 = Bottom floor
		1 = Next floor
		…
		63 = Top floor address
	CAR	0
		1 = 1-tone/2-tone function (all floors)
BCD	FLOOR	0 = Bottom floor
		1 = Next floor
		…
		19 = Top floor address
	CAR	0
		1 = 1-tone/2-tone function (all floors)
Serial V	FLOOR	0 = Bottom floor
		1 = Next floor
		…

		…
		63 = Top floor address
	CAR	0
CAN OPEN 125/250	CAR	0
	FLOOR	1 = Bottom floor
		2 = Next floor
		…
		…
		64 = Top floor address

5.2.3 MENÙ 1.4: SERIAL PARAMETERS

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

MENÙ 1.4.1: CAN ADDRESS

CAN address of the device. This setting does not work for the parallel modes and RS485.

MENÙ 1.4.2: LIFT APP

Allows you to activate a filter for alarms, messages and floor indicator (0 receive all, 1 only messages for ELEVATOR 1, 2 only messages for ELEVATOR 2… etc).

MENÙ 1.4.3: LIFT NUMBER

In some protocols, enables the listening of the device on different channels.

MENÙ 1.4.4: DOOR NUMBER

In some protocols, it is used in case of multi-access lift.

MENÙ 1.4.5: FLOOR STOP TIME

Not used.

5.2.4 MENÙ 1.5: SPECIAL FUNCTION

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

MENÙ 1.5.2: PASSING CHIME

NOT USED

MENÙ 1.5.3: SEPARATE GONG & TRIGGER

NOT USED

MENÙ 1.5.4: EMERGENCY LOWERING

NOT USED

MENÙ 1.5.5: ADDITIONAL FUNCTION

NOT USED

MENÙ 1.5.6: PROJECT DEFAULT

NOT USED

MENÙ 1.5.7: TONES ASSOCIATED WHIT ARROWS

NOT USED

MENÙ 1.5.8: DELAY BETWEEN GONG AND FLOOR

NOT USED

5.2.5 MENÙ 1.7: DOUBLE PROJECT

By the submenus, the user can import and select a second project in the display.

MENÙ 1.7.2: SELECT CURRENT PROJECT

Allows you to select which project to make active.

5.2.6 MENÙ 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 MENÙ 2: FLOOR SYMBOLS

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

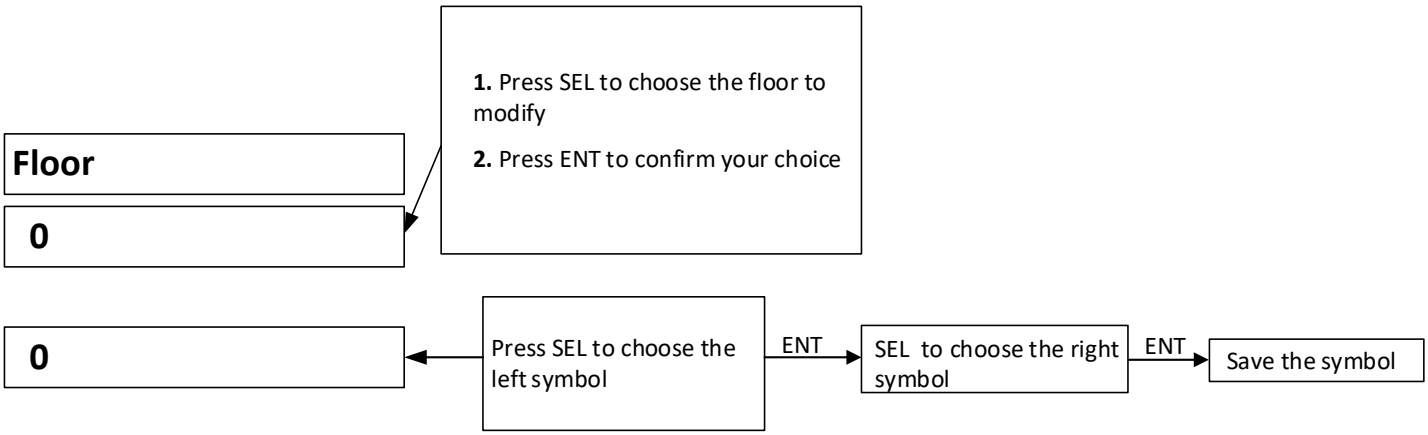
5.3.1 MENÙ 2.1: SET FIRST FLOOR

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 MENÙ 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 4: OPTIONS

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

5.4.1 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.

5.4.2 MENÙ 4.2: INPUT DEBOUNCE

For parallel modes, it is possible to set the input debounce time. [Value in ms.]

5.4.3 MENÙ 4.3: SET ARROWS

MENÙ 4.3.1: Arrow Animation Mode

The display uses as arrows the images loaded in the Sirio Editor software related to: LIFT UP-DOWN ARROW/FRAMES.

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

FIXED: Fixed image.

ROTATION: Arrow animation with images without the addition of an empty image.

MENÙ 4.3.2: Show Arrows

Enable / Disable the display of arrows at all floors (optional in some protocols).

Used only for Serial V mode:
ENABLE: Displays movement arrows at all floors.
DISABLE: Direction arrows are disabled; arrows are displayed only in the case of next direction (menu 1.3 from 0 to 31).

MENÙ 4.3.3: Arrows Blinking

Blinking time of the up/down arrow outputs (optional in some protocols).

5.4.4 MENÙ 4.4: SET POLARITY

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

5.4.5 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.

5.4.6 MENÙ 4.6: SET LOGO

MENÙ 4.6.1: Custom Logo

It is possible to enable/disable the customer logo. To enable it, it must be active from the graphic design.

MENÙ 4.6.2: Standby Logo

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.

5.4.7 MENÙ 4.7: SET ALARMS

MENÙ 4.7.1: Alarms Blinking

Enable = The alarm icon will blink if activated.

Disable = The alarms will be fix if activated.

MENÙ 4.7.2: Set Alarm priority

Enable: Will be showed only one alarm.

Disable: Will be showed both alarms.

MENÙ 4.7.3: Audio loop time

Set the repetition frequency of the buzzer associated with alarms.

5.4.8 MENÙ 4.8: AUDIO

You can Enable or Disable the beep of the call button.

* Not used in TFT350SM-RF-PAR-2 e TFT350SM-RF-KNS-2.

5.4.9 MENÙ 4.11: CALL COLLECTION

Allows you to enable or disable call collection.

5.4.10 MENÙ 4.12: INPUT PARAMETER

NOT USED.

5.5 MENÙ 5: SYSTEM

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

5.5.1 MENÙ 5.2: MENÙ LANGUAGE

It is possible to choose the language of the menu.
It=Italian, En=English, Nl=Dutch, Cz=Czech, Ru=Russian, Pt=Portuguese, Es=Spanish, FR=French, De=German

5.5.2 MENÙ 5.3: VOLUME

MENÙ 5.3.3: BUZZER VOLUME

Set the buzzer volume:
0 = Buzzer disabled, **1** = Minimum volume, …, **10** = Maximum volume.

5.5.3 MENU 5.4: STANDBY

Through this menu, you set the energy-saving mode (display totally black).

0 = Energy-saving disabled;
5 = Energy-saving after 5 minutes of inactivity;
…
180 = Energy-saving after 180 minutes of inactivity.
Range= 1/2/3/4/5/10/30/60/120/180

5.5.4 MENU 5.8: BRIGHTNESS

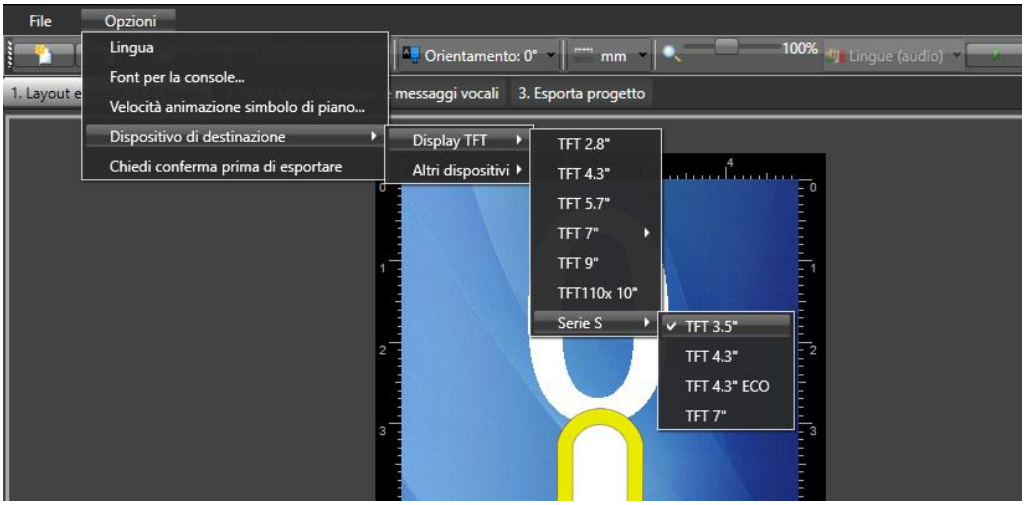
Configure the display brightness:
10 = Minimum brightness, …, **100** = Maximum brightness.
Range= 10/20/30/40/50/60/70/80/90/100

6 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 TFT3.5'' S series display as TARGET DEVICE.



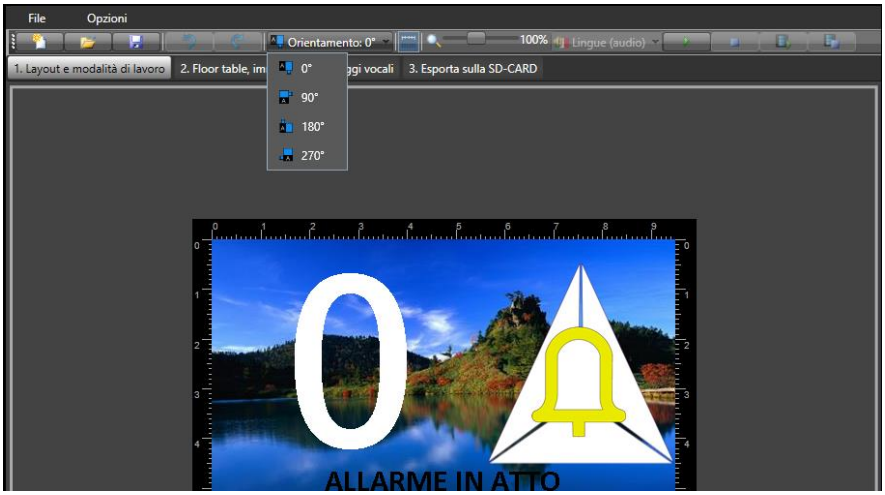
- Once made, export it from the "3. Export" page of the Sirius to a USB memory device.

IMPORT INTO THE DISPLAY VIA USB:

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

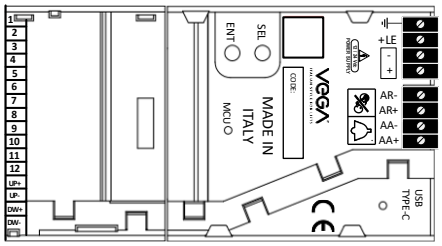
DISPLAY ORIENTATION:

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

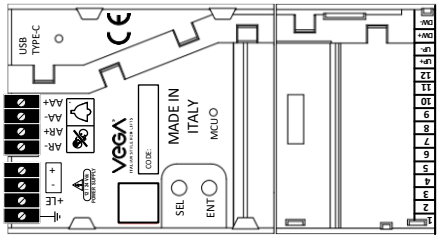


Horizontal

Placement 270°

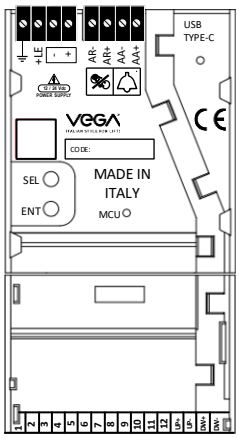


Placement 90°

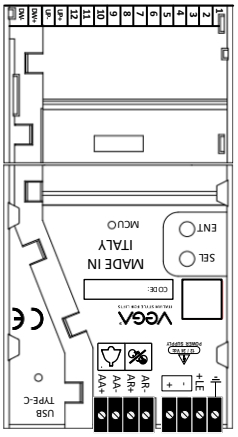


Vertical

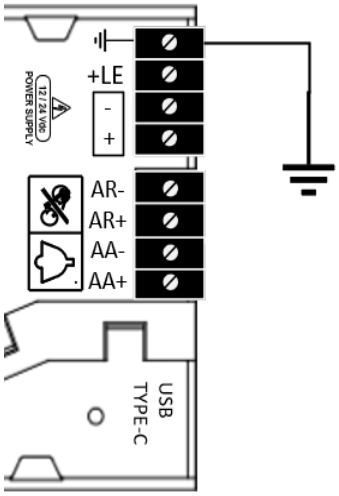
Placement 0°



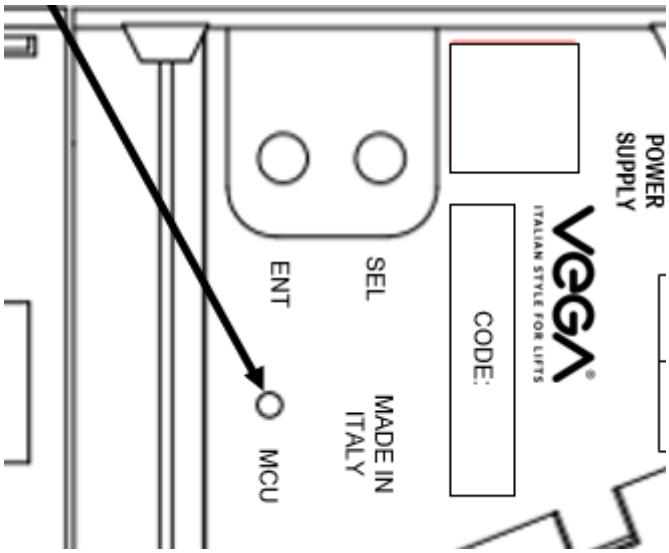
Placement 180°



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

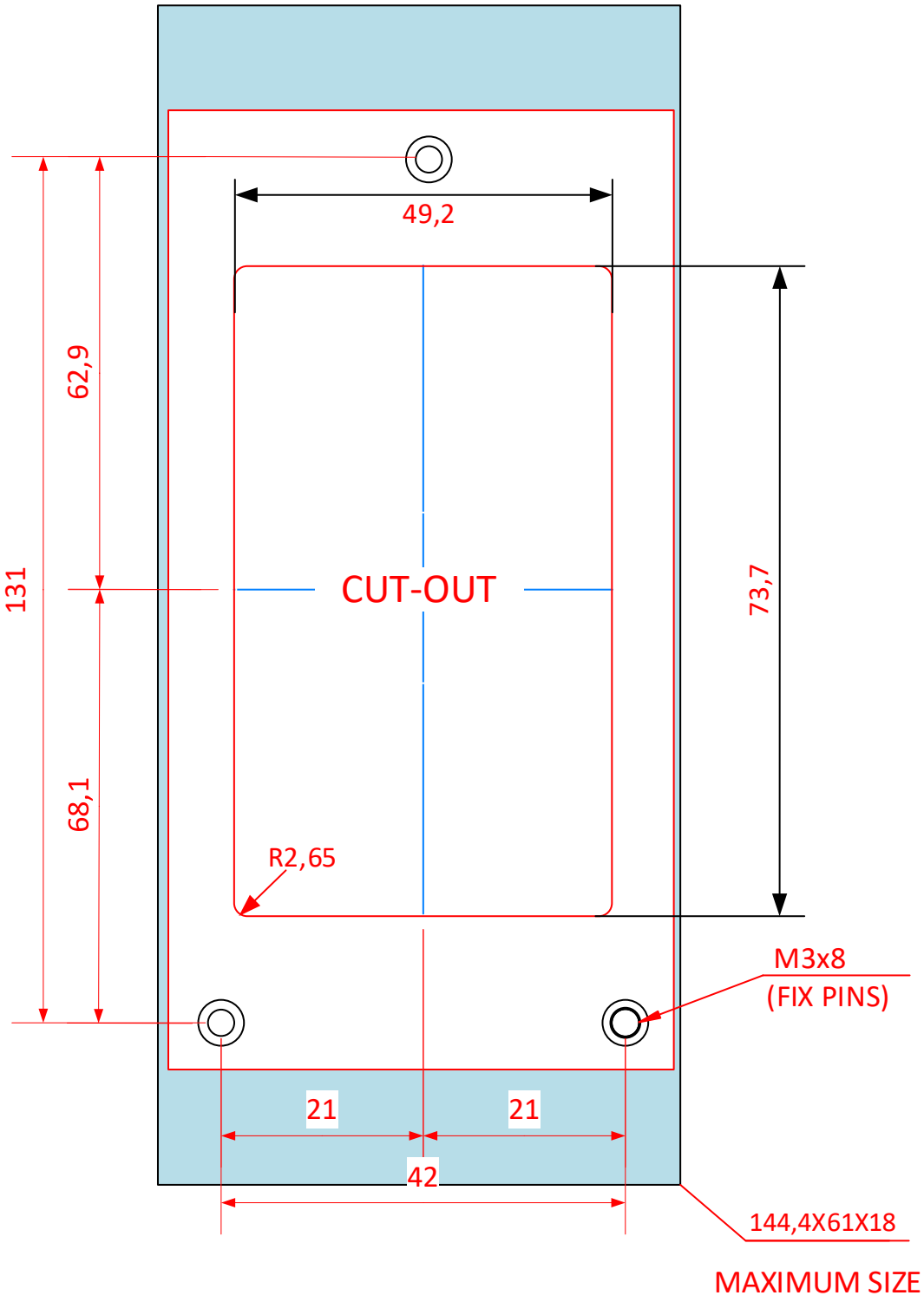


7 DIAGNOSTIC LED



LED	STATE	DESCRIPTION
MCU	OFF	Communication KO
	ON	At least one input activated (For the parallel mode)
	Fast blinking	Serial Communication OK
	Slow blinking	Serial Communication not valid

8 DIMENSIONS



Dimensions are in [mm]

ITALIAN STYLE FOR LIFTS

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

CE