ENGLISH

vega®

S Y S T E M S   F O R   L I F T S

ICARO PARALLEL DISPLAY
V1.7
Rev.1

Blue Alphanumeric

OUT OF SERVICE

KG

50 — 2,9 — 35 — 8,7 — 44,3 — 54 — 8,9

Blue digital

OUT OF SERVICE

KG

50 — 3,3 — 33,8 — 7,8 — 40 — 54 — 6,4

Black digital

OUT OF SERVICE

KG

50 — 2,9 — 33,8 — 8,7 — 44,3 — 54 — 8,9
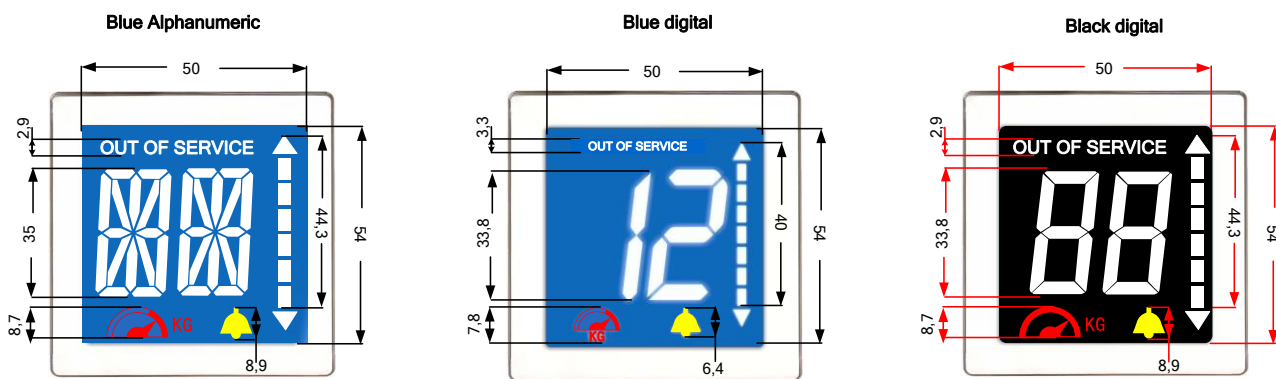
CODES:

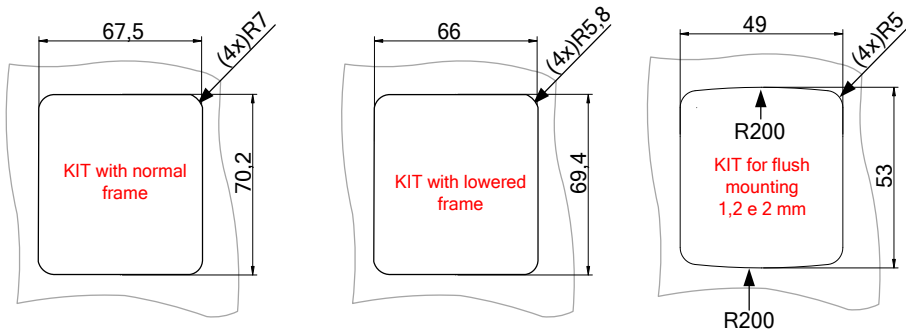|			
With colered icons	LCD620-A (Positive common) LCD630-A (Negative common)	LCD621-A (Positive common) LCD631-A (Negative common)	LCD627-A (Positive common) LCD637-A (Negative common)
Without colered icons	LCD623-A (Positive common) LCD633-A (Negative common)	LCD622-A (Positive common) LCD632-A (Negative common)	

CUT OUT

KIT OF FIXED

KIT cornice VG001: Kit with lowered frame
KIT cornice VG002: Kit with normal frame
KIT cornice VG005: Kit with normal frame (gold)
KIT FL67X70-1.2: Kit for flush mounting (1,2mm)
KIT FL67X70-2: Kit for flush mounting (2mm)

67,5 — (4x)R7 — KIT with normal frame — 70,2

66 — (4x)R5,8 — KIT with lowered frame — 69,4

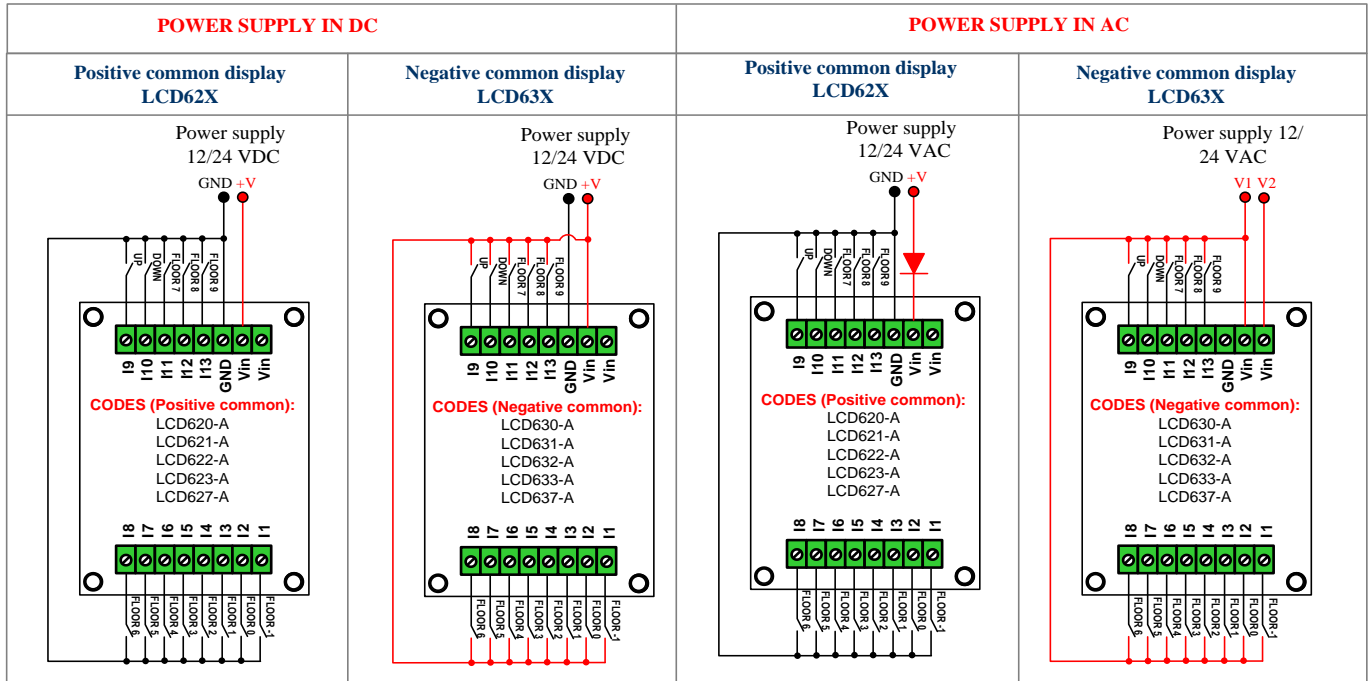49 — (4x)R5 — R200 — KIT for flush mounting 1,2 e 2 mm — 53 — R200

TECHNICAL DATA

ACTIVATION OF THE INPUTS	Common anode (positive common) or Common cathode (negative common) in line with relative hardware version
POWER SUPPLY(POSITIVE COMMON)	12-24 VDC ± 10%
POWER SUPPLY(COMMON CATHODE)	12-24 VAC-DC ± 10%
MAXIMUM POWER	1,2W
TEMPERATURE WORKING RANGE	from -15°C to +50°C
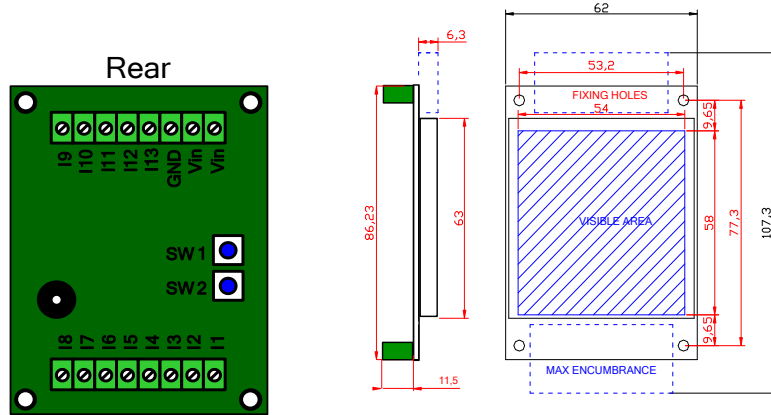
CONNECTION DRAWING

BOARD PINOUT

PIN	I1	I2	I3	I4	I5	I6	I7	I8	I9	I10	I11	I12	I13	+Vin/Vin	Gnd
Descr.	In.1 A	In.2 B	In.3 C	In.4 D	In5 E	In.6	In7	In8/ Alarm	Up	Down	In11/ Gong	In.12/ Out of service	In.13/ Ovl	Power supply	
Default	-1	0	1	2	3	4	5	6	Up	Dw	7	8	9	+Vin	Gnd

NOTE: The I8, I11, I12, I13 are floor inputs with the default configuration to change configuration consult menu 6 and 8.

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Programming mode

x 5 sec.

SW2 — RESET DEFAULT — Normal

SW1 — PROGRAMMING

CHARACTERS — M1
It allows to choose what characters to display for each selected floor.
NOTE:Enable and keep active the input that you want to modify the visualization!
-1..9

SW2 → Choose the left character (SW1) → SW2 → Choose the right character (SW1) → SW2 → ME

SW2

WORKING MODE — M2
It allows to choose the floors coding mode
1P

SW2 → Secect the desidered working mode:
1P:1 pole per floor;
7S: 7 segments;
B: binary;
BN: Inverted binary code;
BC: BCD.
DE: Demo
AO:Magnetic sensor NO
AC: Magnetic sensor NC
→ SW2 → ME

STAND-BY — M3
It allows to choose the time for the display's backlight shutdown (minutes)
30

SW2 → Selected shutdown's time:
0=backlight always on;
1=1 minuts;
⋮
99=99 minuts
→ SW2 → ME

FIRST FLOOR — M4
It allows to choose the value that must be visualized at the first floor, the value for the other floors will be automatically shifted.
-1

SW2 → Selected the fist floor:
From -9 to +9
→ SW2 → ME

DEFAULT

TYPE OF GONG — M5
It allows to choose the type of gong.(3 types)
1

SW2 → Selected the type of gong:
0,1,2 = gong 3 tone (I11)
4= 2 tone in down , in up.Not used for mode AO and AC.
5= Automatic gong (for next arrow direction) Menu 9.
→ SW2 → ME

ALARME/OUT OF SERVICE — M6
It allows to choose the management of the inputs I8 and I12
0

SW2 → Selected of management of I8/I12:

Val	I8	I12(icon out of service)
0=	imput of floor	---
1=	icon alarm	---
2=	imput of floor	+Write "FS"
3=	icon alarm	+Write "FS"

→ SW2 → ME

VOLUME — M7
It allows to choose the volume of the buzzer.
15

SW2 → Selected of volume buzzer:
0=disabled
⋮
15=Max volume
→ SW2 → ME

SIGNALLING — M8
It allows of selected the menagement of signalling (I11=Gong, I12=Out of service,I13= overload)
7

SW2 → Signalling configuration

Val	I11	I12	I13
0	Gong	FS	OVL
1	I11	FS	OVL
2	Gong	I12	OVL
3	I11	I12	OVL
4	Gong	FS	I13
5	I11	FS	I13
6	Gong	I12	I13
7	I11	I12	I13

→ SW2 → ME

NEXT ARROW DIRECTION — M9
It' s possible enable/disable the mode for the next arrow direction.
32

SW2 → Set the address floor:
0: First floor
1:Second floor
32: Diseble next arrows direction
→ SW2 → ME

TIME INPUT — MA
It' s possible set a time for the read of the input (I1 to I13)
1

SW2 → Set the time: (value for x 50 ms)
1=50ms
2=100ms
3=150ms
…
20=1s.
→ SW2 → ME

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Code	Display	Description
1 polo per floor	**1P**	Each input matches a floor.(Range from -1 to 9)
7 Segmenti	**7S**	Each input(I1-I7) matches a segment of a digit. The input I11 is used to visualize the sign "-", while the input 12 activates the ten.
Binary	**B**	Use only the first 5 inputs to calculate the floor number in binary code. (Range from 0 to 31). Input "6" is use to calculate the sign "-"
Inverted binary code	**BN**	Use only the first 5 inputs to calculate the floor number in binary code. (Range from 0 to 31). Input "6" is use to calculate the sign "-"
BCD	**BC**	Use the first 4 inputs to calculate the unity in binary code, the input "5" to calculate the ten and the input "6" to calculate the sign "-". If both I5 and I6 are activated, I6 has priority
Gray	**GR**	Use the first 5 input to calcolate the floor in gray code (from 0 to 31)
Demo	**DE**	Enable or diseble the simulation mode (DEMO)
Autonomo NO	**AO**	Magnetic sensor (normally open)
Autonomo NC	**AC**	Magnetic sensor (normally close)

BINARY /INVERTED BINARY

Binary	Inverted binary	1	2	3	4	5
0	31	OFF	OFF	OFF	OFF	OFF
1	30	ON	OFF	OFF	OFF	OFF
2	29	OFF	ON	OFF	OFF	OFF
3	28	ON	ON	OFF	OFF	OFF
4	27	OFF	OFF	ON	OFF	OFF
5	26	ON	OFF	ON	OFF	OFF
6	25	OFF	ON	ON	OFF	OFF
7	24	ON	ON	ON	OFF	OFF
8	23	OFF	OFF	OFF	ON	OFF
9	22	ON	OFF	OFF	ON	OFF
10	21	OFF	ON	OFF	ON	OFF
11	20	ON	ON	OFF	ON	OFF
12	19	OFF	OFF	ON	ON	OFF
13	18	ON	OFF	ON	ON	OFF
14	17	OFF	ON	ON	ON	OFF
15	16	ON	ON	ON	ON	OFF
16	15	OFF	OFF	OFF	OFF	ON
17	14	ON	OFF	OFF	OFF	ON
18	13	OFF	ON	OFF	OFF	ON
19	12	ON	ON	OFF	OFF	ON
20	11	OFF	OFF	ON	OFF	ON
21	10	ON	OFF	ON	OFF	ON
22	9	OFF	ON	ON	OFF	ON
23	8	ON	ON	ON	OFF	ON
24	7	OFF	OFF	OFF	ON	ON
25	6	ON	OFF	OFF	ON	ON
26	5	OFF	ON	OFF	ON	ON
27	4	ON	ON	OFF	ON	ON
28	3	OFF	OFF	ON	ON	ON
29	2	ON	OFF	ON	ON	ON
30	1	OFF	ON	ON	ON	ON
31	0	ON	ON	ON	ON	ON

GRAY 5 bits

Floor (GRAY)	1	2	3	4	5
0	OFF	OFF	OFF	OFF	OFF
1	ON	OFF	OFF	OFF	OFF
2	ON	ON	OFF	OFF	OFF
3	OFF	ON	OFF	OFF	OFF
4	OFF	ON	ON	OFF	OFF
5	ON	ON	ON	OFF	OFF
6	ON	OFF	ON	OFF	OFF
7	OFF	OFF	ON	OFF	OFF
8	OFF	OFF	ON	ON	OFF
9	ON	OFF	ON	ON	OFF
10	ON	ON	ON	ON	OFF
11	OFF	ON	ON	ON	OFF
12	OFF	ON	OFF	ON	OFF
13	ON	ON	OFF	ON	OFF
14	ON	OFF	OFF	ON	OFF
15	OFF	OFF	OFF	ON	OFF
16	OFF	OFF	OFF	ON	ON
17	ON	OFF	OFF	ON	ON
18	ON	ON	OFF	ON	ON
19	OFF	ON	OFF	ON	ON
20	OFF	ON	ON	ON	ON
21	ON	ON	ON	ON	ON
22	ON	OFF	ON	ON	ON
23	OFF	OFF	ON	ON	ON
24	OFF	OFF	ON	OFF	ON
25	ON	OFF	ON	OFF	ON
26	ON	ON	ON	OFF	ON
27	OFF	ON	ON	OFF	ON
28	OFF	ON	OFF	OFF	ON
29	ON	ON	OFF	OFF	ON
30	ON	OFF	OFF	OFF	ON
31	OFF	OFF	OFF	OFF	ON

OFF: input disabled
ON: input enabled

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BCD code

N°Floor	1	2	3	4	5 = Ten		N°Floor	1	2	3	4	5 = Ten
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

I6 (minus)

7 Segments Code

Each input (I1-I7) matches a segment of a digit. The input I11 is used to visualize the sign "-" (segment g2), while the input 12 activates the ten (b2,c2 segment). The coding segments 7 can manage up to 29 stops (- 9 to 19). Using the menu 8 you can change its input I11 (like gong) and I12 (as out of service).

SEGMENTS PART 1										SEGMENTS PART 2		
I1	I2	I3	I4	I5	I6	I7	I8	I9	I10	I11	I12	I13
a1	b1	c1	d1	e1	f1	g1	Alarm 🔔	▲	▼	g2	b2+c2	OVL

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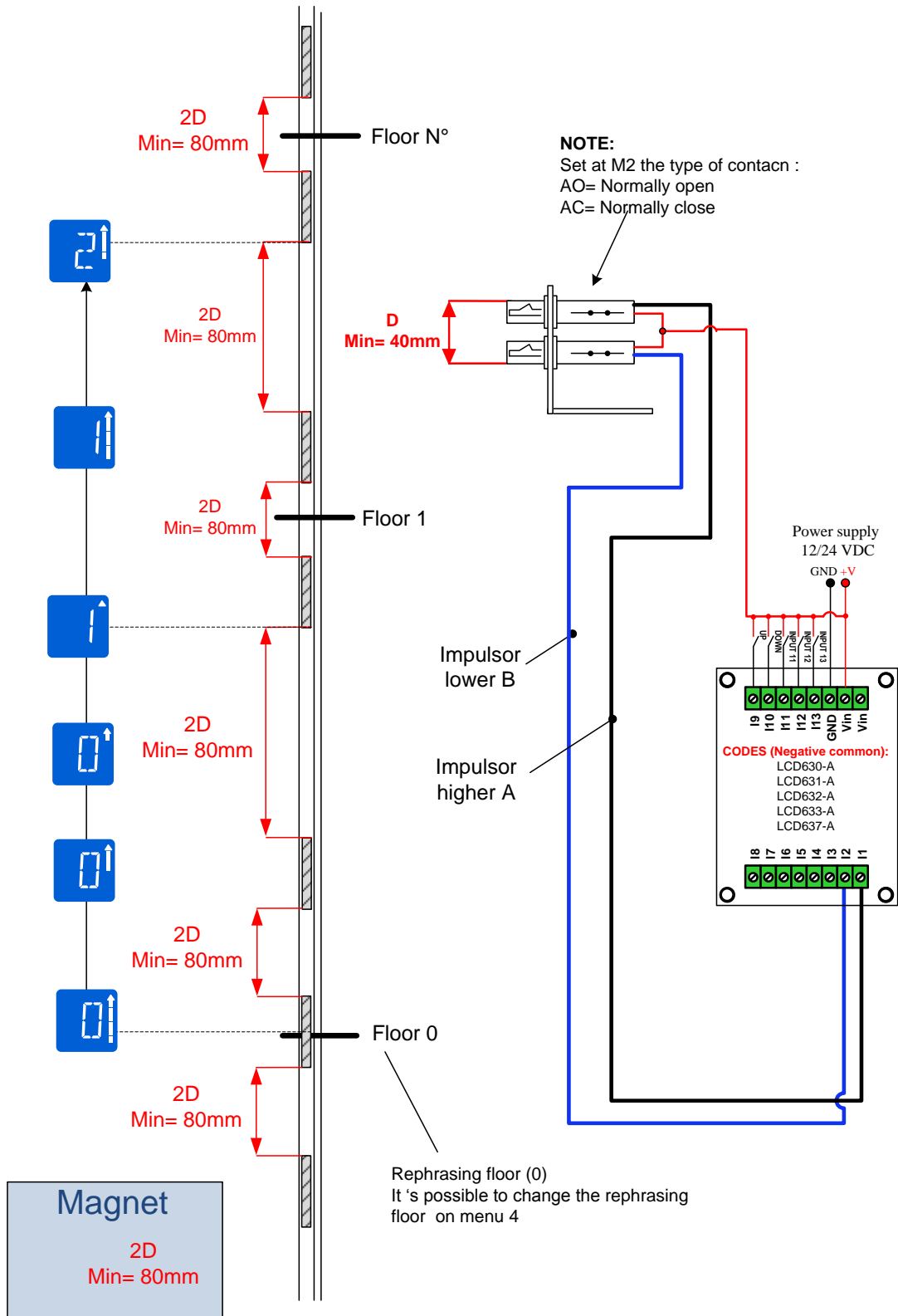
4
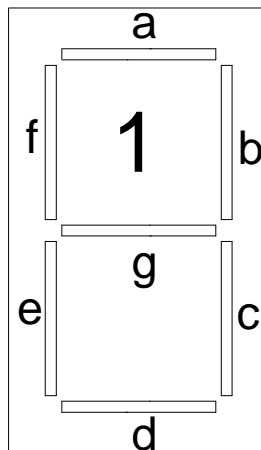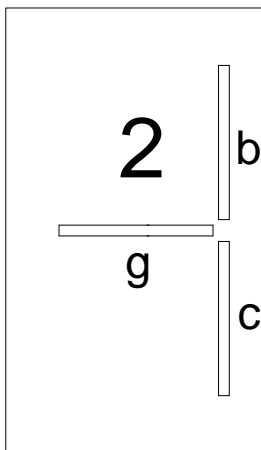
STAND –ALONE MODE: MAGNETICS SENSORS
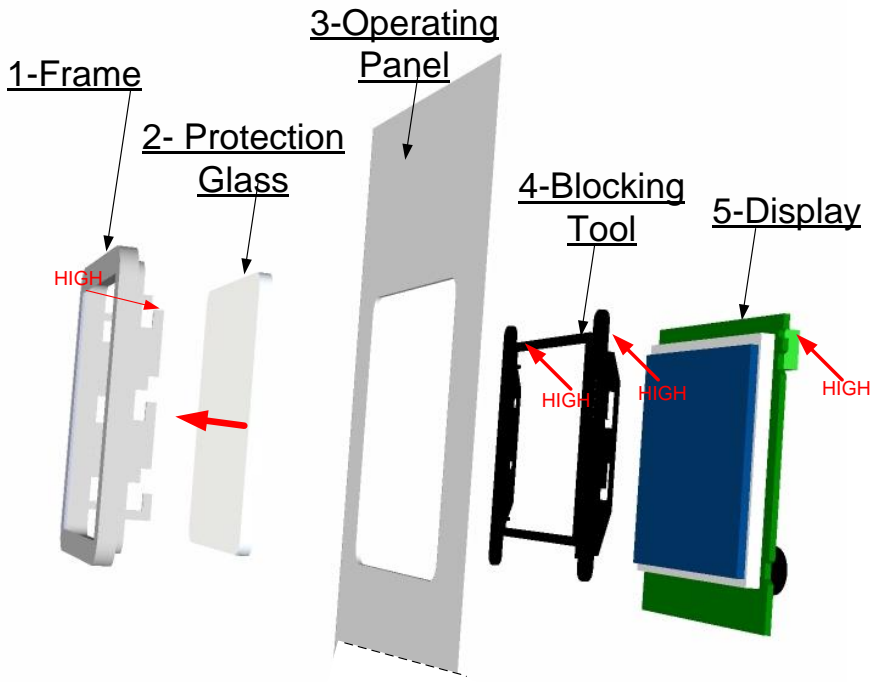## Technical characteristics

Maximum number of stops: 64 floors

Minimum distance of floor: 40cm

Speed of the system: min 0.4 max 2 m / s

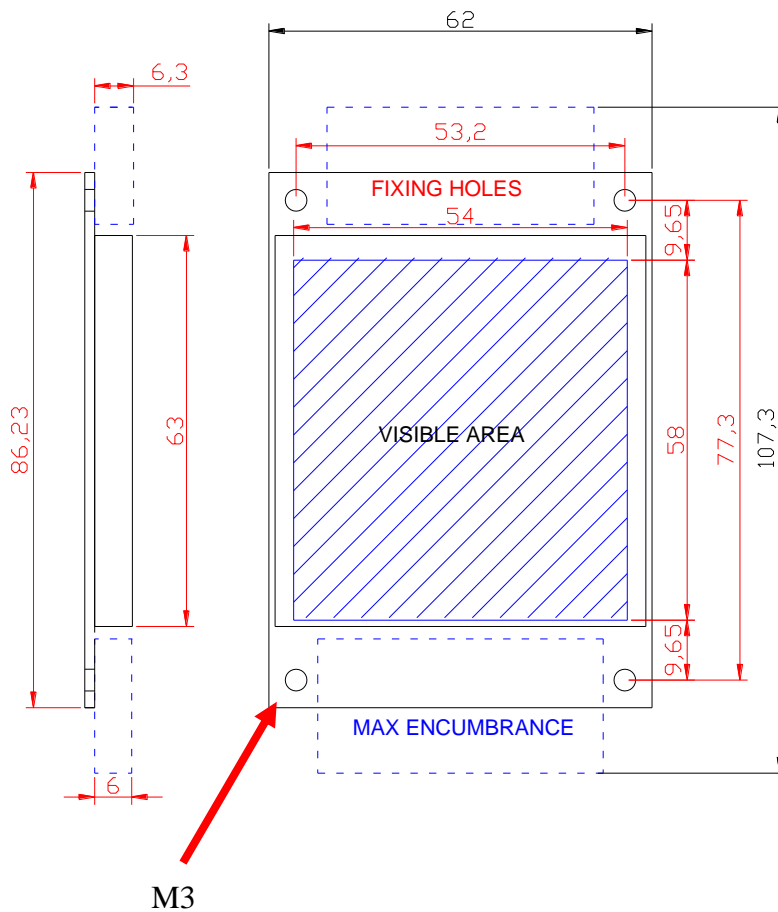Rephasing: The display rephrase after 5 seconds which is on the floor. (menu 4)

Floor N°

2D
Min= 80mm

NOTE:
Set at M2 the type of contacn :
AO= Normally open
AC= Normally close

2D
Min= 80mm

D
Min= 40mm

2D
Min= 80mm

Floor 1

Power supply
12/24 VDC
GND +V

Impulsor
lower B

2D
Min= 80mm

Impulsor
higher A

UP
DOWN
INPUT 11
INPUT 12
INPUT 13

I9 I10 I11 I12 I13 GND Vin Vin

CODES (Negative common):
LCD630-A
LCD631-A
LCD632-A
LCD633-A
LCD637-A

I8 I7 I6 I5 I4 I3 I2 I1

2D
Min= 80mm

Floor 0

2D
Min= 80mm

Rephrasing floor (0)
It 's possible to change the rephrasing
floor on menu 4

Magnet

2D
Min= 80mm

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MOUNTING:

1-Frame

2- Protection Glass

3-Operating Panel

4-Blocking Tool

5-Display

HIGH

HIGH   HIGH   HIGH

A- Place protection glass (2) within the frame (1);
B- Hook the blocking tool (4) to the display (5)
C- Insert into the groove of the operating panel (3)
D- Insert the blocking tool (4-5) into the slots of the frame and put pressure down to lock it down.
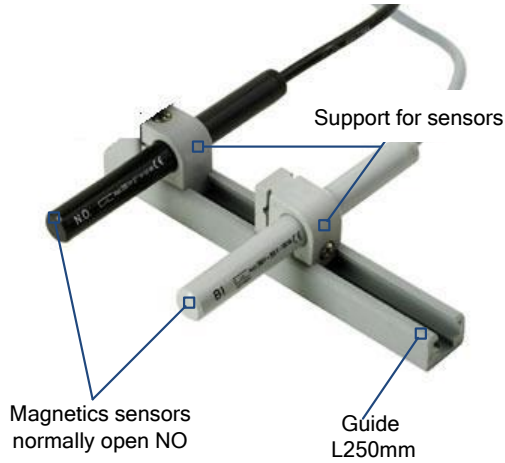**E-** Insert the 4 screws into the slots of the blocking tool (4).

DIMENSION DISPLAY

6,3

62

53,2

FIXING HOLES

54

86,23

63

9,65

VISIBLE AREA

58

77,3

107,3

9,65

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MAX ENCUMBRANCE

M3

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# KIT-AUTONOMO-NO	# KIT-AUTONOMO-NC
Magnetics sensors normally open	Magnetics sensors normally close

A-2 Magnetics sensors normally open NO	A-2 Magnetics sensors normally close NC
B-Support for sensors	B-Support for sensors
C-Guide L250mm	C-Guide L250mm

Support for sensors

Magnetics sensors normally open NO

Guide L250mm

Support for sensors

Magnetics sensors normally close NC

Guide L250mm
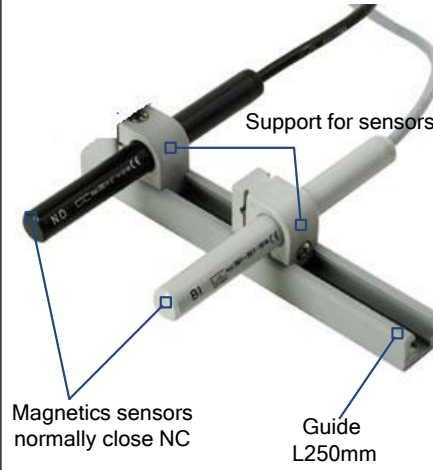
The magnets are not included on the kit-autonomo kit!   Cod.AML150M12

The number of magnets depends on the number of floors:
(number of floor x 2) +1

Magnet L150mm
Cod.AML150M12

Example:

Number of floor	Magnet
2	5
3	7
4	9
5	11
6	13
7	15
8	17
9	19
10	21
11	23
12	25

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