

CLIENT   
 REFERENCE   
 INSTALLATION COUNTRY  DATE

APPLIED EUROPEAN STANDARD

EN 81-1+A3:2009  EN 81-28  
 EN 81-20 (EcoGO ONLY)  EN 81-70  
 EN 81-73

## COMPONENTS TO SUPPLY

CONTROLLER ...  MICROBASIC (ASY)  MICROBASIC (SYN)  
 CONTROLLER  (COP) CAR OPERATING PANEL  
 PREASSEMBLED ELECTRICAL INSTALLATION  (LOP) LANDING OPERATING PANELS AND/OR (LIP) LANDING INDICATION PANELS

MP ecoGO (ASY) (with mechanical rescue existing on asynchronous machine)  MP ecoGO (SYN)

COMPLETE ELECTRICAL INSTALLATION [CABINET, PEI, COP & LOPS]

TRACTION SYSTEM ...  TRACTION SYSTEM  GEARLESS. VVVF SYNCHRONOUS

## BUILDING DATA | ACTUAL-EXISTING LIFT INFORMATION

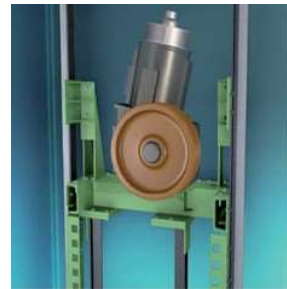
### LIFT

MANUFACTURER  R. TRAVEL (mm)   
 MODEL  VOLTAGE (V)   
 YEAR  LINE FREQUENCY (Hz)   
 Q (DUTY LOAD) kg  DCM: Controller-Machine distance (mm)   
 NUMBER OF PASSENGERS  CAR FRAME TYPE  
 SLING CARFRAME  BACKPACK FRAME  
 RATED SPEED (M/S)  HIGH TRAFFIC  
 YES  NO  
 NUMBER OF FLOORS

Attach picture: Shaft, pit, overhead  
 Attach photo from the bottom and top part of the car

### SAFETY GEAR IN COUNTERWEIGHT

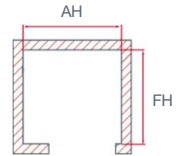
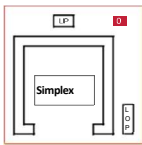
YES  NO  
 P (Empty Car + Carframe ... weight) Kg  
 P (kg)   
 APPLY VALUE ESTIMATED BY MP  
 CAR MARBLE FLOOR  
 DOUBLE ENTRANCE



### LIFT IN GROUP

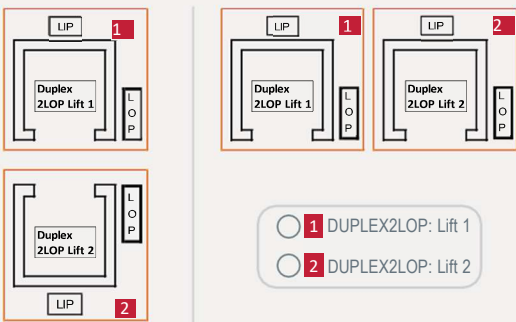
0. SIMPLEX

AC. Car Width (mm)  FC. Car Depth (mm)   
 AH. Shaft Width (mm)  FH. Shaft Depth (mm)

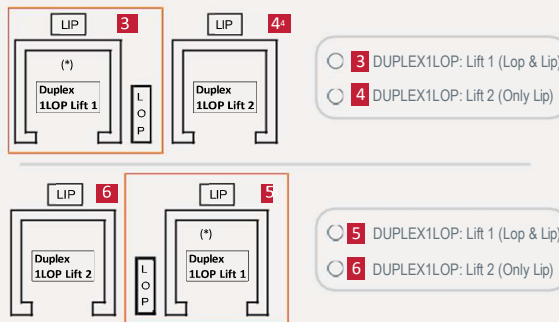


### DUPLEX ... DCC. Distance controller-controller (Duplex connection)

#### Configuration DUPLEX2LOP (1 & 2)



#### Configuration DUPLEX1LOP (3 & 4 o 5 & 6)



LEVELS	ENTRANCE 0°	OH. Headroom (mm)	2nd ENTRANCE	CONTROLLER LEVEL	MAIN EXT LEVEL	EN 81-73 LEVEL	FLOORS SEQUENCE
15	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
14	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
13	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
12	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
11	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
10	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
9	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
8	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
7	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
6	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
5	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
4	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
3	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
2	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
1	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

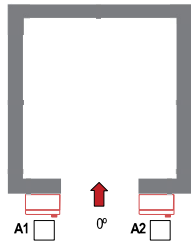
(DEN) Distance between levels (mm)   
 PH. Pit (mm)

Ensure that the components that remain in the lift are in good condition to guarantee proper operation after modernization.

Any modification prior to the reform that modifies the original design, is not contemplated in this kit.

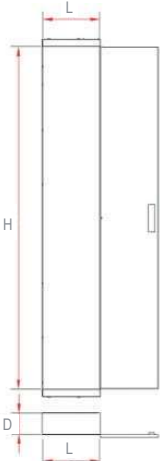
CONTROLLER

**MRL cabinet position mark**



**CABINET**

- Standard MRL cabinet supply  
External dimensions (H'xL'xD') (mm)  
2160 x 230 x 145
- RAL7044       Inox X02 AISI 441 SB
- Inox X16 AISI 316 SB
- Existing cabinet adaptation  
Internal dimensions (H x L x D) (mm)

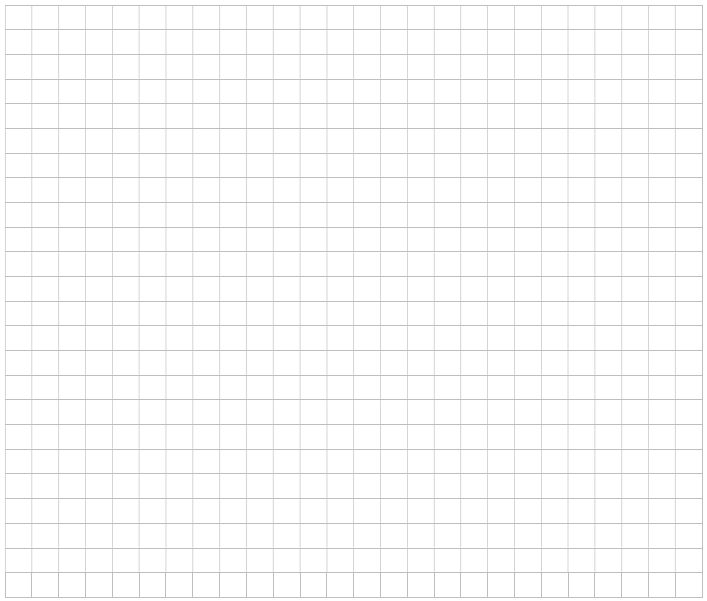


MANUFACTURER       MODEL

YEAR

**Attach picture:** Controller, inverter, manual rescue device

Sketch: Fixing points of the controller mounting plate and the space taken up by the rescue



CONTROLLER

**TYPE**

- SINGLE AUTOMATIC     DOWN COLLECTIVE     MIXED COLLECTIVE     FULL COLLECTIVE

**TELEPHONE LINE: ALARMS AND "CONNECTED LIFT"**

- ANALOG (Landline Phone. "Connected Lift": not Valid)     4G LTE CE/UKCA (Mobile Phone)     4G LTE RCM (Mobile Phone)

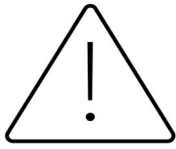
**RESCUE SYSTEM**

- ELECTRIC     MANUAL

SECURITY SYSTEM

**UCM (FORMER AMENDMENT A3) (PROTECTION AGAINST UNINTENDED MOVEMENTS WITH OPEN DOORS)**

- EXISTING LIFT WITHOUT UCM SYSTEM      UCM SYSTEM SUPPLY?     YES     NO



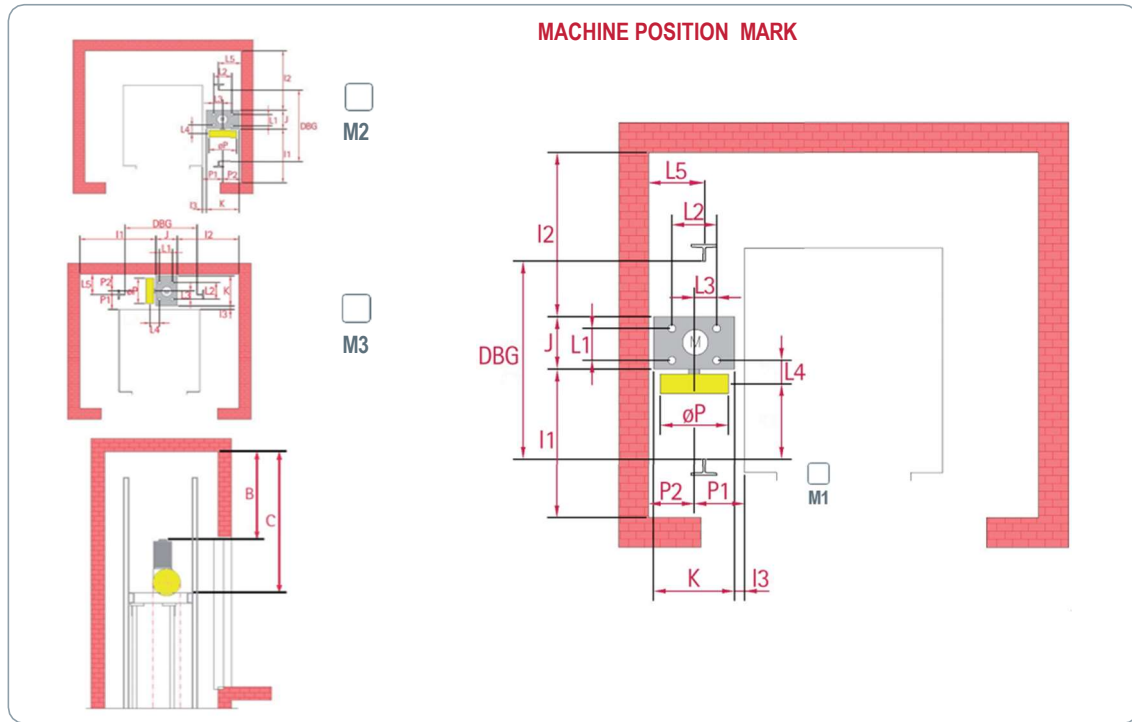
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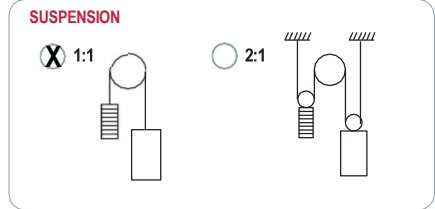
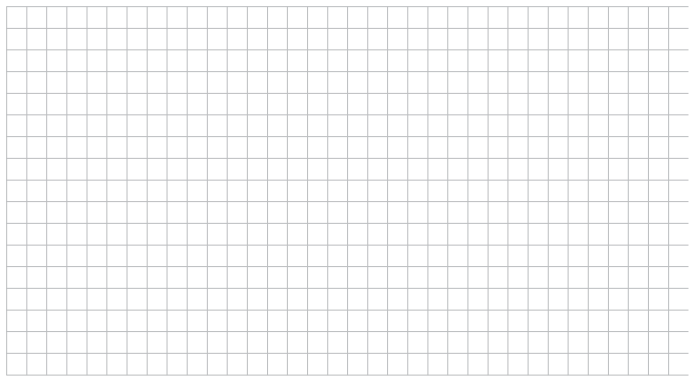
EXISTING MACHINE | DBG PARALLEL POULEY

Shaft view in last level: **Attach picture**

- 
- M1 (mm) 935
- M2 (mm) 735
- M3 (mm) 33
- J (mm) 330
- K (mm) 410
- P2 (mm) 170
- P1 (mm) 275
- L1 (mm) 215
- L2 (mm) 300
- L3 (mm) 150
- L4 (mm) 78
- L5 (mm) 310
- DBG (mm) 1.000
- ø P (mm) 320
- B (mm) 500
- C (mm) 1.800



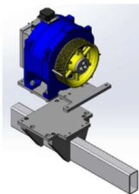
DRAW MACHINE FIXING TO BEDFRAME. BEAMS WITH DEFLECTION PULLEYS (IF ANY):



TRACTION ROPES NUMBER  ROPE DIAMETER (mm)

COMPENSATION CHAIN. TOTAL WEIGHT (kg)

INSTALLATION: METRES ABOVE SEA LEVEL



GEARLESS MACHINE

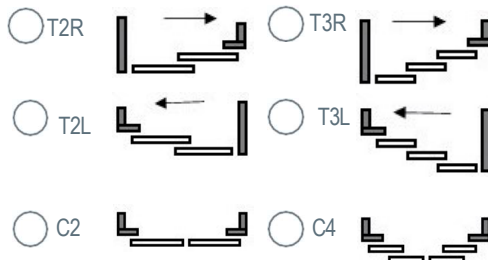
NEW MACHINE

OTHER COMPONENTS TO SUPPLY

CAR DOOR OPERATOR  CAR DOOR

PL. Clear Door Opening (mm)

HEIGHT (mm)



CAR DOOR PANELS: FINISHES

EPOXI/RAL  X02 AISI 441 SB

X16 AISI 316 SB  OTHERS

OVERSPEED GOVERNOR

UNIDIRECTIONAL  REMOTE

BIDIRECTIONAL  AUTOMATIC

OVERSPEED GOVERNOR ROPE

TENSION PULLEY

UNI.  BID. **mp** moving people

TRACTION ROPES

BEDFRAME

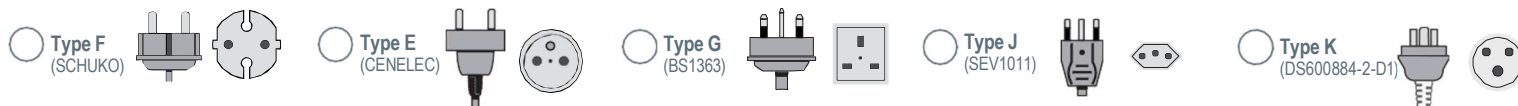
PULLEY PROTECTION UNIT

SILENT-BLOCKS

CAR CEILING  
(if car light included in original COP)

## PREASSEMBLED ELECTRICAL INSTALLATION | OPTIONAL ELEMENTS

### AC POWER SOCKET TYPES



DCN. CONTROLLER-NEAREST  
LEVEL FLOOR DISTANCE (mm)

- SHAFT LIGHTING
- TRUNKING
  - SLOTTED 40x60
  - SLOTTED 80x60
  - SLOTTED 60x40
  - SOLID TRUNKING 80x60
- EXTRA ELECTRICAL CONTACT IN PIT (Nº)
- HALLOGEN FREE ELECTRICAL INSTALLATION
- POSITIONING SYSTEM
  - MP MILIMETRIC
  - ABSOLUTE ENCODER
- ARROWS FOR CAR ENTRANCE
- ELECTRICAL SUPPLY TYPE
  - 1 CORD. RUSH POWER
  - 2 CORDS. RUSH POWER AND LIGHTING
  - 2 CORDS. RUSH POWER AND LIGHTING + SHAFT & MACHINE ROOM LIGHTING CONTROL
  - 3 CORDS (POWER, CARLIGHT, SHAFTLIGHT)
- ELECTRICAL PROTECTION BOX
  - RCD FOR POWER CONNECTION
  - RCD FOR LIGHTING CONNECTION

## CONTROLLER | OPTIONAL ELEMENTS

- TRIPHONY
- CURTAIN PHOTOCELL
- OVERSIZED INVERTER
- BUILT-IN HEAD CONTROLLER | GUIA MODULE
  - NO
  - WIFI: BUILT-IN HEAD CONTROLLER
  - WIFI + SCREEN: BUILT-IN (HEAD CONTROLLER & SCREEN)
- CONNECTION KIT S4L FOR "CONNECTED LIFT"
- LOAD WEIGHING DEVICE
  - FRAME-BEAM SENSOR
  - ROPE SENSORS
  - CARFRAME-CAR SENSORS
- FIRE (EN81-73) ACTIVATION (on level)
  - AUTOMATIC. Alternative level
  - MANUAL BY KEY
  - MANUAL BY RED BOX
- FIREFIGHTERS MODE (Car)
  - AUTOMATIC
  - KEY IN COP

## PUSHBUTTON INFORMATION

### PUSHBUTTONS



IMPULSE BRAILLE  
(blue led color)



DARDO  
(blue led color)

- ACOUSTIC REGISTRATION CALL PUSHBUTTONS
- CONTROL OPERATING PANEL DRAWINGS CONFIRMATION BEFORE PRODUCTION

### PUSHBUTTON PANELS STAINLESS STEEL TYPE



X02: AISI 441 SB  
Scotch Brite



X12: AISI 304  
Brillo | Shine



X13: AISI 304  
Linen



X16: AISI 316 SB  
Scotch Brite



X22: AISI 304  
Supermirror Shine



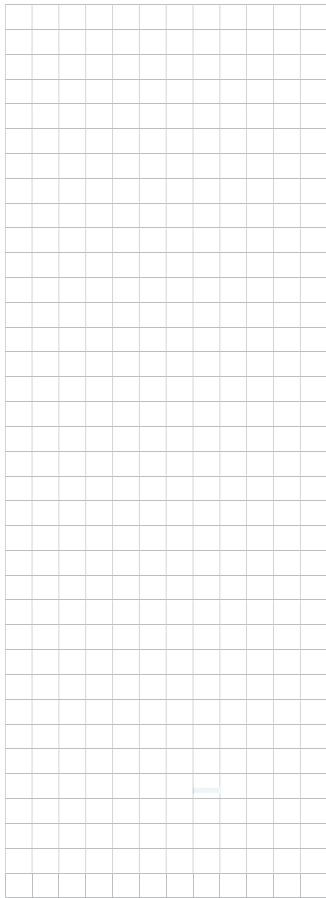
X24: AISI 304  
Granex Black



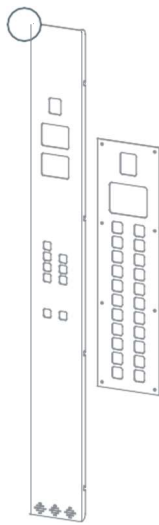
X25: AISI 304  
Golden Mirror

COP | CAR OPERATING PANEL

EXISTING



CUSTOMISED



DIMENSIONS

Model

W (mm)

L (mm)

MODEL

SCORPIO  
RS



**FIXING  
SCREW  
DIMENSIONS (mm)**  
320 x 1300 x 35

FUSION  
LITE



**FIXING  
SCREW  
DIMENSIONS (mm)**  
245 x 1540 x 2

FULL HEIGHT  
LITE



**FIXING  
SCREW  
DIMENSIONS (mm)**  
230 x 2040 x 16

FULL HEIGHT  
COLUMN



**FIXING  
HINGES  
DIMENSIONS (mm)**  
230 x 2040 x 16

CLOSE DOOR  
PUSHBUTTON

EMERGENCY  
TELEPHONE

INTEGRATED GSM  
ECOGO (Only with  
MP ecoGO controller)

FONOMAC

TELEPHONE  
PREPARATION  
(model)



PRESENTATION  
DATA



STAINLESS ST. LASER  
ENGRAVING  
(only for stainless steel panels)



PLEXIGLASS + FILM COLOR  
(only for stainless steel panels)

CALL PUSHBUTTONS REPLACED BY  
KEYSWITCHES

Levels

INDUCTION LOOP

ADDITIONAL SERVICES ON OPERATING PANELS

YES. EUROCYLINDER

YES. FLAT KEY  
CYLINDER

OUT OF  
ORDER

DOOR OPEN  
LOCKING

PRIORITY  
SERVICE

AUTHORISED  
PERSONNEL

FIREFIGHTERS  
MODE:  
ACTIVATION

OTHER

DISPLAY

MP ecoGO



LCD-070E (7")



TFT-070E (7")

DATA CUSTOMISED INFORMATION

LOGO



TEXT 1

TEXT 2

TEXT 3

CE



LOP | LANDING OPERATING PANELS

- CALL PUSHBUTTON**
  - ARROWS IDENTIFICATION PUSHBUTTONS
  - ANOTHER IDENTIFICATION PUSHBUTTONS
  - Level Identification
  - FLOOR LEVEL WITH KEYSWITCH FOR CALLING
- TFT-028 DISPLAY AT LANDINGS**
  - MAIN FLOOR  ALL
- DIRECTION ARROWS**
  - ON ALL FLOORS

ADDITIONAL SERVICES ON OPERATING PANELS (Out of order, Firefighter...)

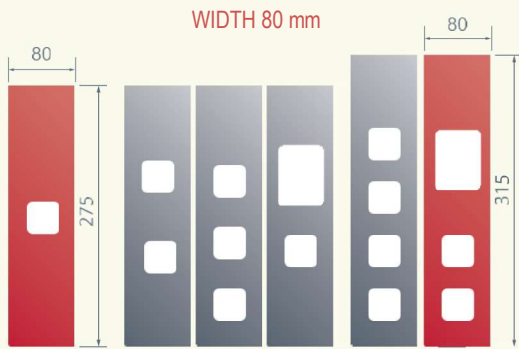
- YES. EUROCYLINDER
- YES. FLAT KEY CYLINDER (COP & LOP same type)
- OUT OF ORDER Level
- PRIORITY SERVICE Level
- OTHER Level

LIGHT INDICATORS

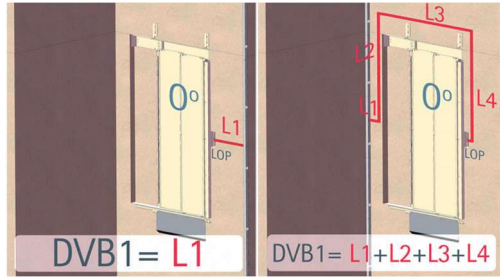
- CAR HERE Levels
- OUT OF ORDER
- OTHER (mode)

MODEL / FIXING

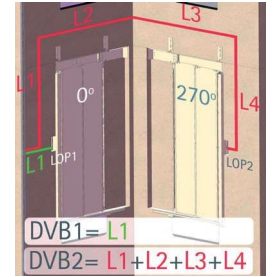
- RS SURFACE MOUNTED



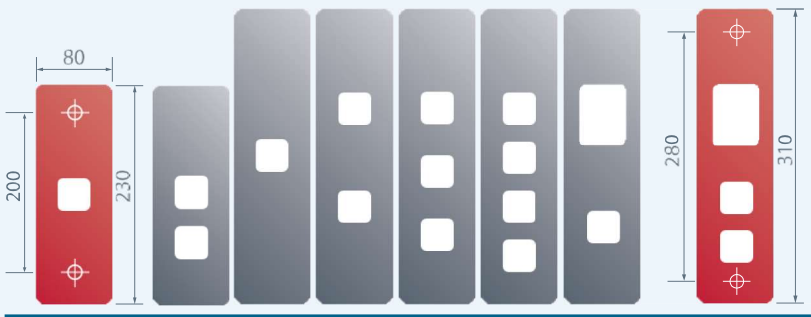
- DVB1. Shaft electrical vertical-Entrance 0° LOP distance



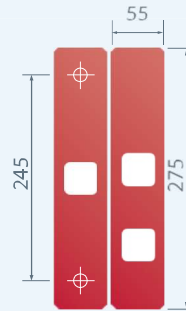
- DVB2. Shaft electrical vertical-2nd Entrance LOP distance



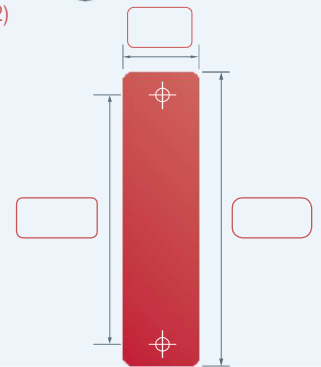
- BOLT FIXING FLUSH MOUNTED
- WIDTH 80 mm



- WIDTH 55 mm
- (Maximum Control Elements Number: 2)
- (NO IMPULSE)

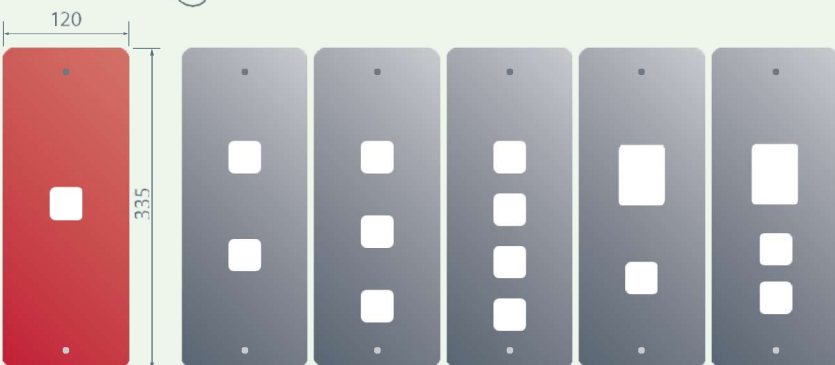


- CUSTOMISED (\*)



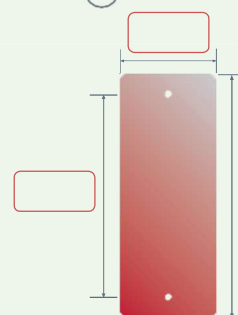
(\*) RECOMMENDED WIDTH 85 mm  
RECOMMENDED HEIGHTS (mm): 160 / 230 / 275 / 310 / 335 mm

- M4 SCREW FIXING FLUSH MOUNTED
- WIDTH 120 mm

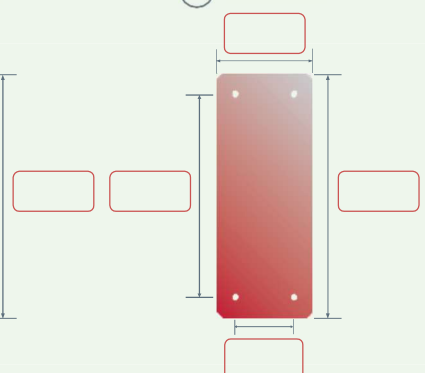


- CUSTOMISED

- 2 FIXINGS



- 4 FIXINGS





## LIP | LANDING INDICATION PANELS

DISPLAY

- ON MAIN FLOOR
- ON ALL FLOOR

NEXT DEPARTURE | DIRECTION PANELS

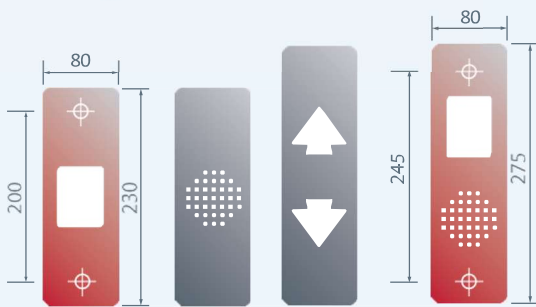
- ON ALL FLOORS
- ON ALL FLOORS EXCEPT ON MAIN FLOOR

GONG ON ALL FLOORS

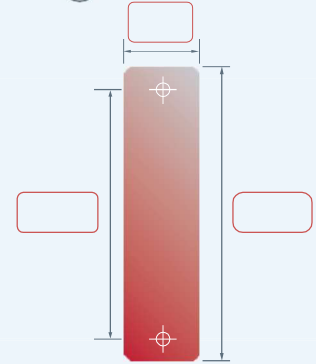
### MODEL | FIXING

BOLT FIXING FLUSH MOUNTED  
*TFT-028 Display model*

OPERATING PANEL HEIGHT 80 mm

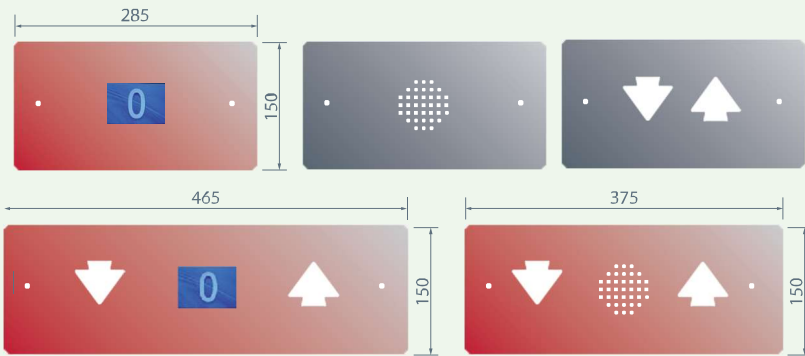


CUSTOMISED



M4 SCREW FIXING FLUSH MOUNTED  
*TFT-043 Display model*

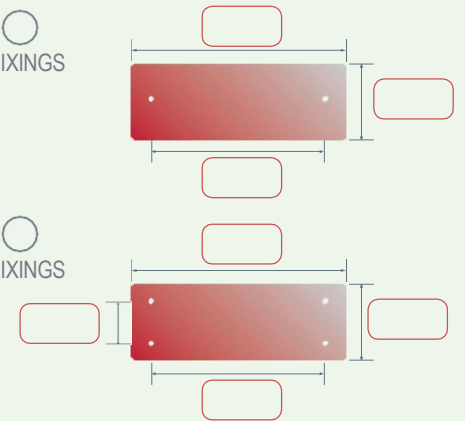
OPERATING PANEL HEIGHT 150 mm



CUSTOMISED

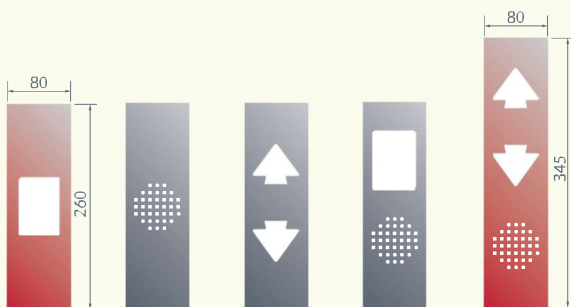
2 FIXINGS

4 FIXINGS



RS SURFACE MOUNTED

VERTICAL | WIDTH 80 mm  
*TFT-028 Display model*



HORIZONTAL | HEIGHT 115 mm  
*TFT-043 Display model*

