# FLAT-DUALUX ultra-slim

## ULTRA-SLIM STOP/GO DISPLAY
### for easy installation

*innovation*

with technology

# DRILL&
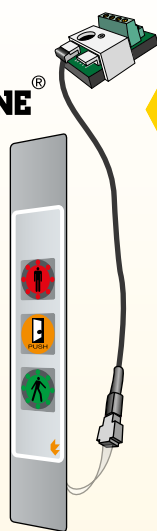# GO
## Cut-Free

®

**FLAT-DUALUX**
ultra-slim stop/go display

No cutting the frame,
no work on
internal frame grain!

Only a portable drill is needed
to easily install
***DRILL&GO*** devices on any frame.

**TECNODIMENSIONE**
security with style

**TECNODIMENSIONE**®

DRILL&GO Cut-Free®

*innovation*

# FLAT-DUALUX ultra-slim
## PROFESSIONAL TECNODIMENSIONE STOP/GO DISPLAYS

with green/red lights and international STOP/GO symbols to control traffic, built-in push button and remote buzzer.
Kit made up of stop/go display, connection cable and *"FLEXICON"* converter.

## One unit..
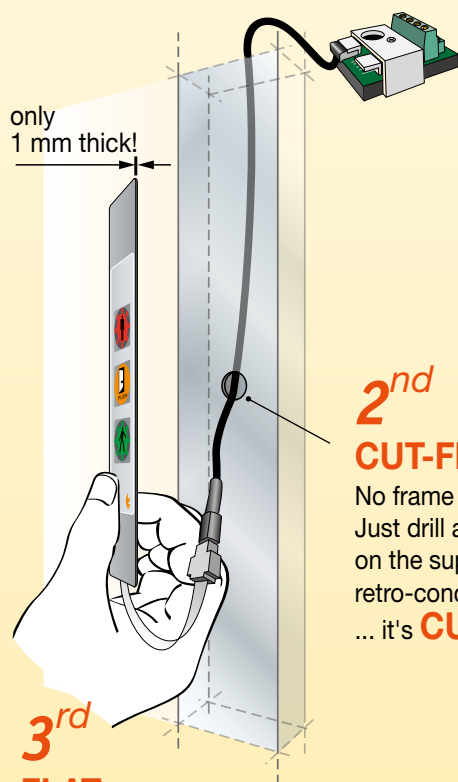## for *4* different needs.

**1**<sup>st</sup> not — Conventional wiring installation with screw-type terminal board via converter = ***FLEXICON***

**2**<sup>nd</sup> No frame cutting nor work on internal nervures.
Just drill to install = **DRILL&GO** CUT-FREE

**3**<sup>rd</sup> ultra-slim, bendable, virtually "without thickness" (just 1 mm!) for fully-aligned installation self-adhesive on any smooth frame surface with even shaped and narrow profiles = **FLAT**
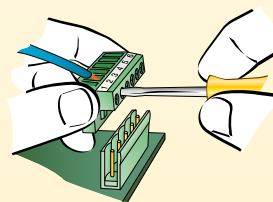
**4**<sup>th</sup> "smooth" sealed alignment to the frame surface fully proper detergent washable = **CLEAN**

## PERFECT FOR SMOOTH ULTRA-SLIM DOOR FRAMES

**1**<sup>st</sup>

*flexicon*
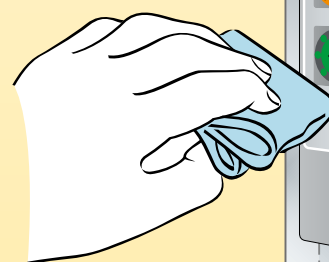MULTIFUNCTIONAL INPUTS/OUTPUTS

only 1 mm thick!

Ideal for the installation on existing door frames in combination with conventional wiring systems and to be interfaced with any control unit such as PLC, microprocessor boards or conventional electronics.....

... it's *FLEXICON!*

**2**<sup>nd</sup>
### CUT-FREE

No frame cutting nor work on internal nervures!
Just drill a simple Ø 14 mm round hole on the support surface to insert the retro-concealed electrical connection cable…
... it's **CUT-FREE**

**4**<sup>th</sup>
### CLEAN

**3**<sup>rd</sup>
### FLAT

**FLAT-DUALUX** ultra-flat, practically "without thickness" (just 1 mm!) it can be applied to even very narrow profiles, its "fully-aligned" mount is almost immediate, installable on site without having to make any cuts since it does not require any room-to recess! It is virtually a "thin" electronic, self-adhesive and bendable sticker that lays and adapts to surfaces not necessarily plane as long as they are smooth and suitable to self-adhere…
... it's **FLAT!**

**FLAT-DUALUX** self-adhesive installation "flush-aligned" is smooth and roughness-free ... easily cleanable with any proper detergent...
... it's **CLEAN!**

*DOOR MANAGEMENT SYSTEMS*

**DOOR MANAGEMENT SYSTEMS**

## PROFESSIONAL STOP/GO DISPLAYS

# FLAT-DUALUX ultra-slim

**Complete with connection cable and FLEXICON converter for conventional wiring with screw type terminal board**

Type **6** - "FULLY ALIGNED"
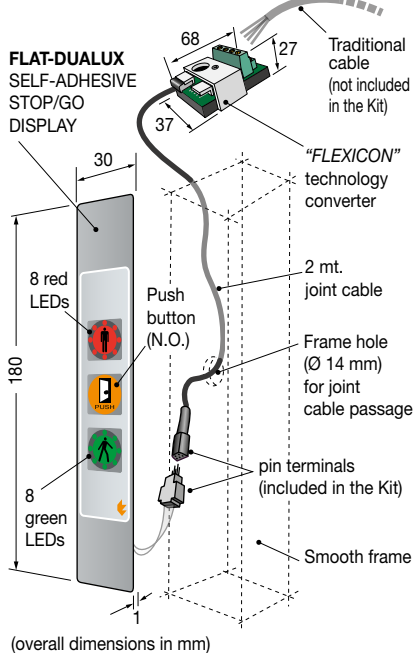ultra-slim for self-adhesive installation (without frame cutting).

Type **7** - "FLUSH"
with support flange for installation on uneven surfaces.

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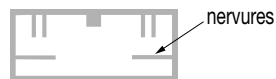
## A SINGLE UNIT FOR 2 TYPES OF UNIVERSAL INSTALLATION

### Type 6
**"FULLY-ALIGNED"**
ultra-slim for self-adhesive installation on smooth surfaces without cutting the frame.



**FLAT-DUALUX** SELF-ADHESIVE STOP/GO DISPLAY

68
27
37
30

Traditional cable (not included in the Kit)

*"FLEXICON"* technology converter

8 red LEDs

Push button (N.O.)

180

2 mt. joint cable

Frame hole (Ø 14 mm) for joint cable passage

8 green LEDs

pin terminals (included in the Kit)

Smooth frame

1

(overall dimensions in mm)

**No cutting or work on the internal frame nervures**

compatible smooth surfaces

nervures

1 stop/go display with flat surface

2 stop/go displays with flat surfaces

1 stop/go display with slightly concave surface*

1 stop/go display with slightly convex surface*
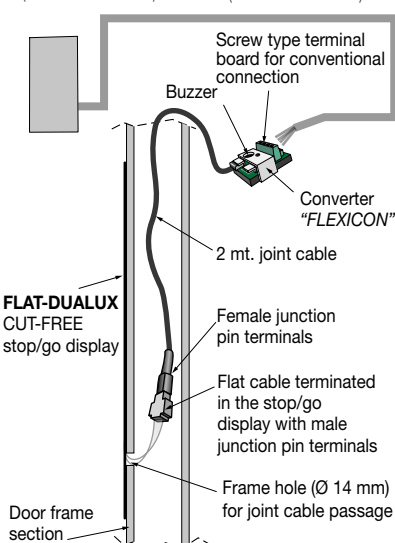
*to be checked case by case

### Kit 1 for one door - for example "pass box"
composed of:
- **n. 1** FLAT-DUALUX stop/go display (type 6 or 7)
- **n. 1** joint cable
- **n. 1** *"FLEXICON"* converter

Any control board (PLC, etc.) (not included in the Kit)

4 wires for traditional cable (not included in the Kit)

Screw type terminal board for conventional connection

Buzzer

Converter *"FLEXICON"*

2 mt. joint cable

**FLAT-DUALUX** CUT-FREE stop/go display

Female junction pin terminals

Flat cable terminated in the stop/go display with male junction pin terminals

Frame hole (Ø 14 mm) for joint cable passage

Door frame section

### Kit 2 for one door - for example "interlocking system"
composed of:
- **n. 2** FLAT-DUALUX stop/go displays (type 6 or 7)
- **n. 2** joint cables
- **n. 1** *"FLEXICON"* converter

Any control board (PLC, etc.) (not included in the Kit)

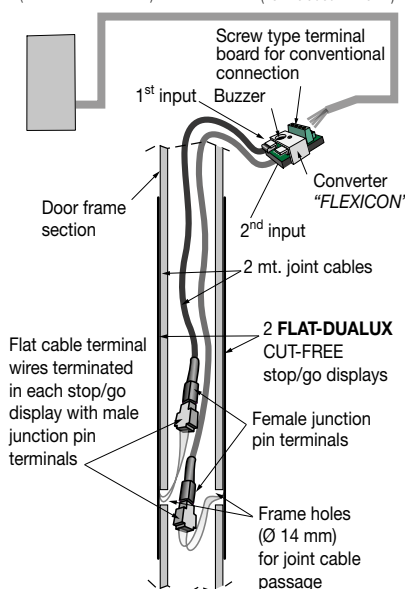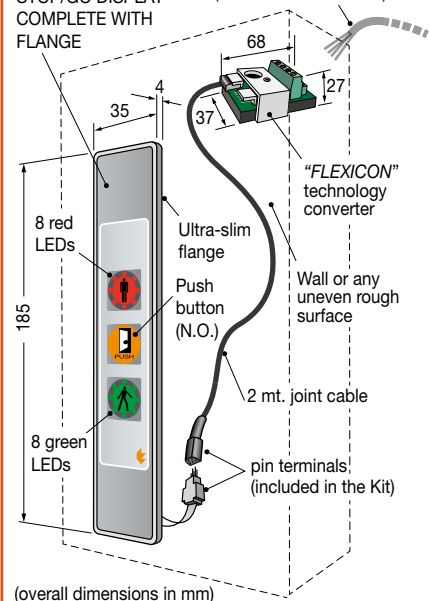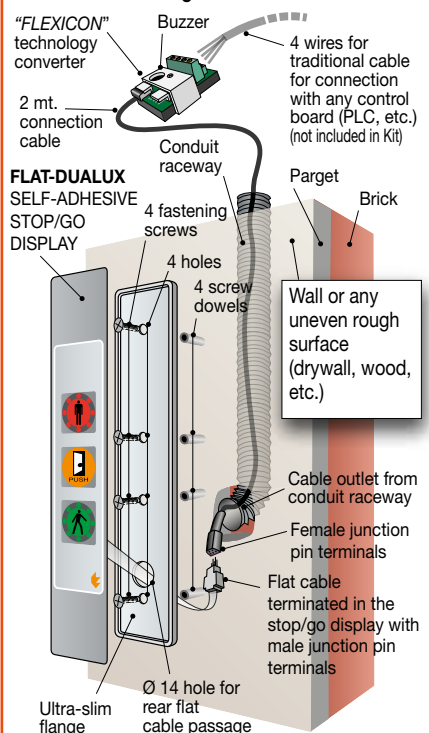4 wires for traditional cable (not included in the Kit)

Screw type terminal board for conventional connection

1st input   Buzzer

Converter *"FLEXICON"*

Door frame section

2nd input

2 mt. joint cables

Flat cable terminal wires terminated in each stop/go display with male junction pin terminals

2 **FLAT-DUALUX** CUT-FREE stop/go displays

Female junction pin terminals

Frame holes (Ø 14 mm) for joint cable passage

### Type 7 on the "SAME PLANE"
**with ultra-slim support flange for wall or frame mount with uneven surfaces**

**FLAT-DUALUX** STOP/GO DISPLAY COMPLETE WITH FLANGE

4 wires for traditional cable (not included in the Kit)

68
27
4
35
37

*"FLEXICON"* technology converter

8 red LEDs

Ultra-slim flange

Push button (N.O.)

Wall or any uneven rough surface

185

2 mt. joint cable

8 green LEDs

pin terminals (included in the Kit)

(overall dimensions in mm)

**Example of FLAT-DUALUX stop/go display application complete with support flange even for uneven rough surfaces**

*"FLEXICON"* technology converter

Buzzer

4 wires for traditional cable for connection with any control board (PLC, etc.) (not included in Kit)

2 mt. connection cable

**FLAT-DUALUX** SELF-ADHESIVE STOP/GO DISPLAY

Conduit raceway

Parget

Brick

4 fastening screws

4 holes

4 screw dowels

Wall or any uneven rough surface (drywall, wood, etc.)

Cable outlet from conduit raceway

Female junction pin terminals

Flat cable terminated in the stop/go display with male junction pin terminals

Ultra-slim flange

Ø 14 hole for rear flat cable passage

## FLAT-DUALUX ultra-slim

Complete with connection cable and *FLEXICON* converter
for conventional wiring with screw type terminal board

**TECNODIMENSIONE**®

Type **6** - "FULLY ALIGNED" ultra-slim for self-adhesive installation (without frame cutting).
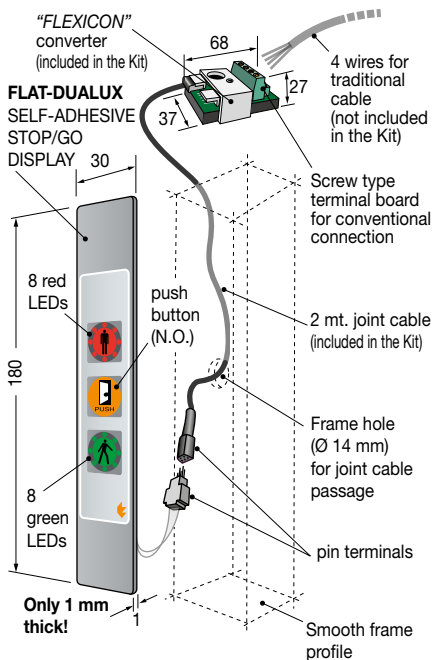Perfect for ultra-narrow smooth frames.
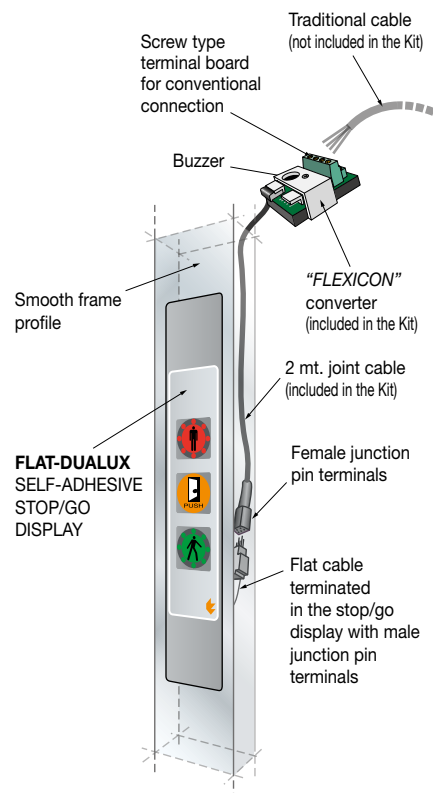
**Ordering information**

| MODELS | | Q.ty N° |
|---|---|---|

### FLAT-DUALUX CUT-FREE ultra-slim with *"FLEXICON"* technology

Type **6** "fully aligned"



*"FLEXICON"* converter (included in the Kit)

68
27
37

4 wires for traditional cable (not included in the Kit)

**FLAT-DUALUX** SELF-ADHESIVE STOP/GO DISPLAY

30

Screw type terminal board for conventional connection

8 red LEDs

push button (N.O.)

2 mt. joint cable (included in the Kit)

180

Frame hole (Ø 14 mm) for joint cable passage

8 green LEDs

pin terminals

**Only 1 mm thick!**

1

Smooth frame profile

(overall dimensions in mm)

Ultra-slim stop/go group for "flush" mount Equipped with FX converter with screw-type terminal board, suitable for connections with any control unit. Its "fully-aligned" mount is almost immediate, installable on the site without having to make any cuts since it does not require any room-to recess! It is virtually a "thin" electronic, self-adhesive and bendable sticker that lays and adapts to surfaces not necessarily plane as long as they are smooth and suitable for self-adhere.

### Models for 12VDC power supply

Ultra-slim FLAT-DUALUX stop/go display type 6 with connection cable and converter with screw type terminal board for traditional cable connection.
- Green/Red LED light + buzzer + N.O. push button (N.C. when pressed).

**Kit 1 for one door - composed of:**
- n. 1 Flat-Dualux ultra-slim type 6 stop/go display (without thickness, only1mm!)
- n. 1 round joint cable (2mt long) complete with pin connection terminal
- n. 1 *"FLEXICON"* converter with pin inputs and output with screw type terminal board for traditional wiring for any system. Complete with buzzer.
- 12 VDC/70 mA power supply

**034986CMF2K1** (complete Kit 1)

**Kit 2 for two door - composed of:**
- n. 2 Flat-Dualux ultra-slim type 6 stop/go displays (without thickness, only 1 mm!)
- n. 2 round joint cables (2mt long) complete with pin terminals
- n. 1 *"FLEXICON"* converter with 2 pin inputs and output with screw type terminal board for traditional wiring for any system. Complete with buzzer.
- 12 VDC/140 mA power supply

**034986CMF2K2** (complete Kit 2)

### Models for 24VDC power supply (on request)

FLAT-DUALUX ultra-slim type 6 stop/go display, with *"FLEXICON"* technology. **Kit 1** same characteristics as the model above but for a 24Vdc/40 mA power supply. **Kit 2** same characteristics as the model above but for a 24Vdc/80 mA power supply.

**034986CMF4K1** ((complete Kit 1)
**0349686CMF4K2** (complete Kit 2)

### Special configurations available at extra charge
- FLAT-DUALUX stop/go display with customer's and/or customized logo (on request)

**Attention!** Based on the *"FLEXICON"* technology, Tecnodimensione STOP/GO displays are fitted with multi-configurable inputs/outputs that can be interfaced with any installation by means of a universal connection network and screw-type terminals

### STANDARD EQUIPMENT

**EXAMPLE OF "FULLY ALIGNED" APPLICATION**

Screw type terminal board for conventional connection

Traditional cable (not included in the Kit)

Buzzer

*"FLEXICON"* converter (included in the Kit)

Smooth frame profile

2 mt. joint cable (included in the Kit)

**FLAT-DUALUX** SELF-ADHESIVE STOP/GO DISPLAY

Female junction pin terminals

Flat cable terminated in the stop/go display with male junction pin terminals
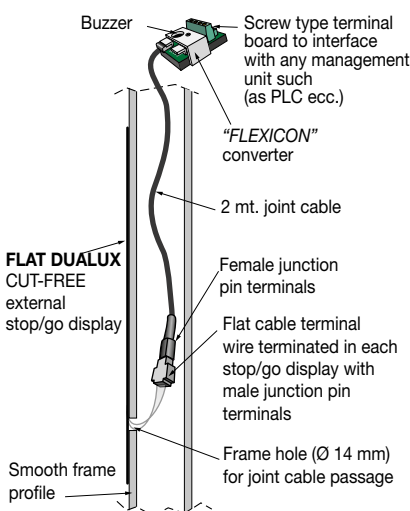
**Kit 1 for one door - for example "pass box"**
composed of:
- n° 1 FLAT-DUALUX stop/go display (type 6)
- n° 1 joint cable
- n° 1 *"FLEXICON"* converter
**Model 034986CMF2K1** (12 Vdc)
**Model 034986CMF4K1** (24 Vdc)

Buzzer

Screw type terminal board to interface with any management unit such (as PLC ecc.)

*"FLEXICON"* converter

2 mt. joint cable

**FLAT DUALUX** CUT-FREE external stop/go display

Female junction pin terminals

Flat cable terminal wire terminated in each stop/go display with male junction pin terminals

Frame hole (Ø 14 mm) for joint cable passage
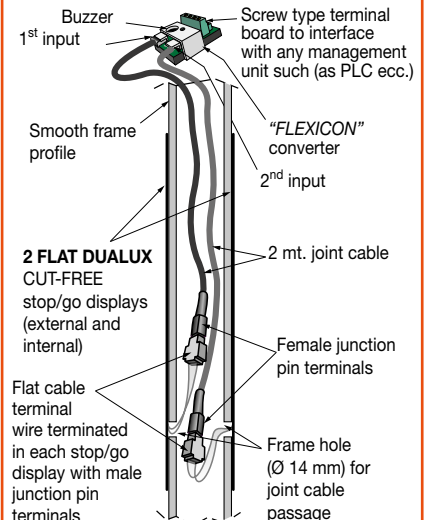
Smooth frame profile

**Kit 2 for "interlock" type door**
composed of:
- n° 2 FLAT-DUALUX stop/go displays (type 6)
- n° 2 joint cables
- n° 1 *"FLEXICON"* converter
**Model 034986CMF2K2** (12 Vdc)
**Model 034986CMF4K2** (24 Vdc)

Buzzer
1st input

Screw type terminal board to interface with any management unit such (as PLC ecc.)

Smooth frame profile

*"FLEXICON"* converter
2nd input

2 mt. joint cable

**2 FLAT DUALUX** CUT-FREE stop/go displays (external and internal)

Female junction pin terminals

Flat cable terminal wire terminated in each stop/go display with male junction pin terminals

Frame hole (Ø 14 mm) for joint cable passage

### FLEXICON CONVERTER WIRING DIAGRAM

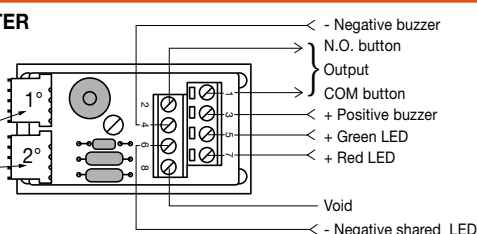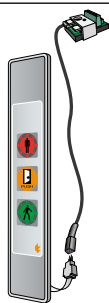**Female junction PIN input for connection cable**
1st = for first stop/go display (kit1)
2nd = for additional second stop/go display (kit2)

1°
2°

2 4 6 8
1 3 5 7

- Negative buzzer
N.O. button
Output
COM button
+ Positive buzzer
+ Green LED
+ Red LED
Void
- Negative shared LED

Terminal board outputs for conventional wiring with any control board (PLC, etc.)

**DOOR MANAGEMENT SYSTEMS**

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## PROFESSIONAL STOP/GO DISPLAYS
# FLAT-DUALUX ultra-slim
**Complete with connection cable and *FLEXICON* converter for conventional wiring with screw type terminal board**

**DRILL & GO** Cut-Free ®

### Type ⑦ - "FLUSH" with support flange
even for installation on uneven rough surfaces

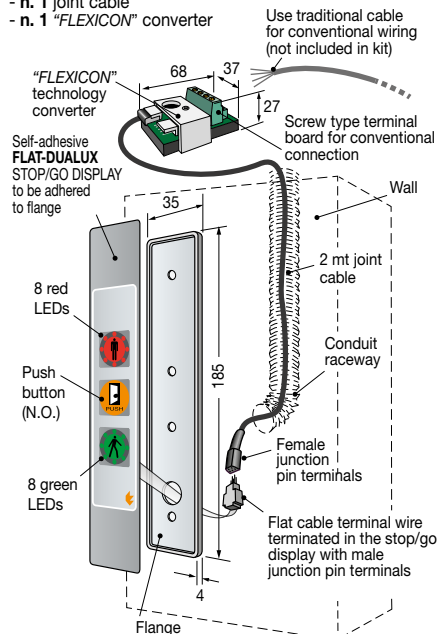| Ordering information | | Q.ty |
|---|---|---|
| **MODELS** | | **N°** |

**DOOR MANAGEMENT SYSTEMS**

### Type ⑦ on the "SAME PLANE"
**KIT 1 with support flange for wall or frame mount with uneven surfaces.**

composed of:
- **n. 1** FLAT-DUALUX type 7 stop/go display with silver coloured anodised aluminium flange
- **n. 1** joint cable
- **n. 1** "*FLEXICON*" converter



"*FLEXICON*" technology converter

68   37   27

Use traditional cable for conventional wiring (not included in kit)

Screw type terminal board for conventional connection

Self-adhesive **FLAT-DUALUX** STOP/GO DISPLAY to be adhered to flange

Wall

35

185

2 mt joint cable

Conduit raceway

8 red LEDs

Push button (N.O.)

8 green LEDs

Female junction pin terminals

4

Flange

Flat cable terminal wire terminated in the stop/go display with male junction pin terminals

**KIT 2 with support flange for wall or frame mount with uneven surfaces.**
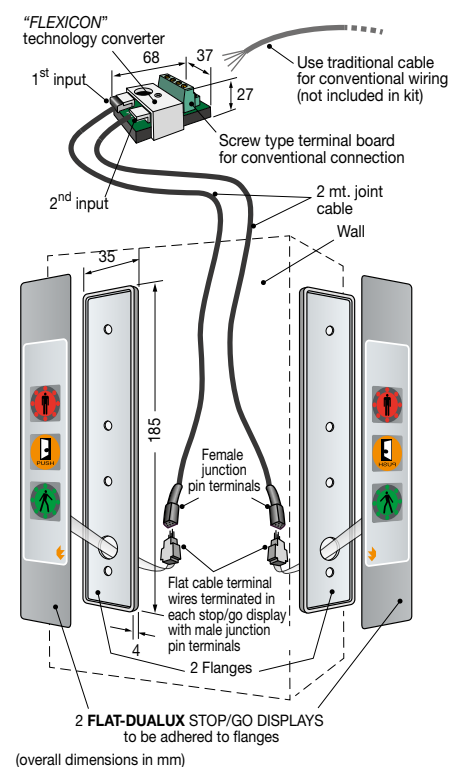
composed of:
- **n. 2** FLAT-DUALUX type 7 stop/go displays with 2 silver coloured anodised aluminium flanges
- **n. 2** joint cables
- **n. 1** "*FLEXICON*" converter



"*FLEXICON*" technology converter

68   37   27

1st input

2nd input

Use traditional cable for conventional wiring (not included in kit)

Screw type terminal board for conventional connection

2 mt. joint cable

Wall

35

185

4

Female junction pin terminals

Flat cable terminal wires terminated in each stop/go display with male junction pin terminals

2 Flanges

**2 FLAT-DUALUX** STOP/GO DISPLAYS to be adhered to flanges

(overall dimensions in mm)

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Stop/go display group with ultra-slim support flange for "flush" mount on uneven surfaces like plaster, drywall, cement, travertine or wood, etc.
It is a "thin" electronic plate applied to the wall (or any surface) with 4 small screws.
Equipped with FX converter with screw-type terminal board, suitable for connections with any control unit.

### Models for 12VDC power supply

FLAT-DUALUX stop/go display type 7 support flange, with connection cable and converter with screw type terminal board for traditional cable connection. - Green/Red LED light + buzzer + N.O. push button (N.C. when pressed).

**Kit 1 for one door - composed of:**
- n. 1 FLAT-DUALUX type 7 ultra-slim stop/go display with silver coloured anodised aluminium flange (only 4 mm thick!)
- n. 1 round joint cable (2mt long) complete with pin connection terminal
- n. 1 "*FLEXICON*" converter with pin inputs and output with screw type terminal board for traditional wiring for any system. Complete with buzzer.
- 12 VDC/70 mA power supply

**034987CMF2K1**
(complete Kit 1)

**Kit 2 for two door - composed of:**
- n. 2 FLAT-DUALUX type 7 ultra-slim stop/go display with silver coloured anodised aluminium flange (only 4 mm thick!)
- n. 2 round joint cable (2mt long) complete with pin connection terminal
- n. 1 "*FLEXICON*" converter with pin inputs and output with screw type terminal board for traditional wiring for any system. Complete with buzzer.
- 12 VDC/140 mA power supply

**034987CMF2K2**
(complete Kit 2)

### Models for 24VDC power supply (on request)

FLAT-DUALUX ultra-slim type 7 stop/go display, with "*FLEXICON*" technology.
**Kit 1** same characteristics as the model above but for a 24Vdc/40 mA power supply.
**Kit 2** same characteristics as the model above but for a 24Vdc/80 mA power supply.

**034987CMF4K1**
(complete Kit 1)
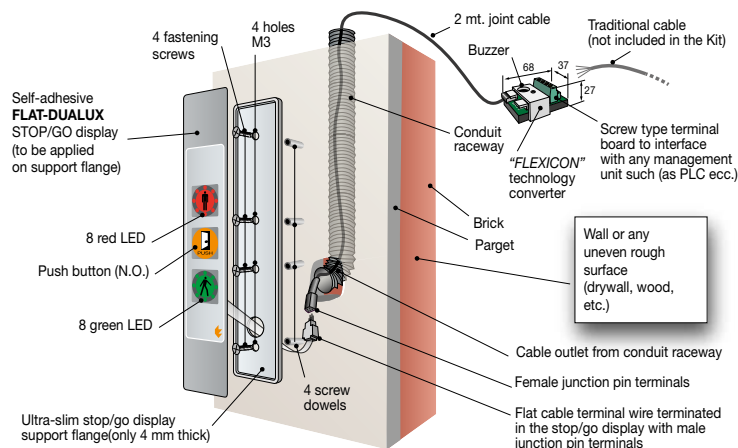**034987CMF4K2**
(complete Kit 2)

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**Special configurations available at extra charge**
• FLAT-DUALUX stop/go display with customer's and/or customized logo (on request).
**Attention!** -
Based on the "*FLEXICON*" technology, Tecnodimensione STOP/GO displays are fitted with multi-configurable inputs/outputs that can be interfaced with any installation by means of a universal connection network and screw-type terminals.
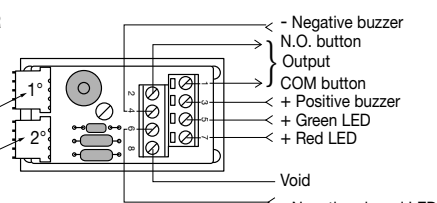
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**Example of FLAT-DUALUX type 7 stop/go display application complete with ultra-slim support flange for uneven surfaces**



4 fastening screws

4 holes M3

2 mt. joint cable

Buzzer

Traditional cable (not included in the Kit)

68   37   27

Self-adhesive **FLAT-DUALUX** STOP/GO display (to be applied on support flange)

Conduit raceway

Screw type terminal board to interface with any management unit such (as PLC ecc.)

"*FLEXICON*" technology converter

8 red LED

Push button (N.O.)

8 green LED

Brick
Parget

Wall or any uneven rough surface (drywall, wood, etc.)

Cable outlet from conduit raceway

Female junction pin terminals

Flat cable terminal wire terminated in the stop/go display with male junction pin terminals

Ultra-slim stop/go display support flange(only 4 mm thick)

4 screw dowels

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**FLEXICON CONVERTER WIRING DIAGRAM**

**Female PIN input for joint cable**



1st = for first stop/go display (Kit 1)
2nd = for additional second stop/go display (Kit 2)

- Negative buzzer
N.O. button
Output
COM button
+ Positive buzzer
+ Green LED
+ Red LED

Void

Negative shared LED

Terminal board for conventional wiring to any control board (PLC, etc.)