

FERMAX

2013 GENERAL CATALOGUE





DESIGN

Fermax Electrónica S.A.U.

2013 GENERAL CATALOGUE

1st Edition. April 2013

FERMAX



BUILDING COMMUNICATIONS



FERMAX

A GREAT FAMILY BRAND

FERMAX is a family business of Spanish origin based in Valencia, Spain.

The company specializes in designing door entry and access control equipments, enjoying a prominent position among the leading brands worldwide.

The company has developed on the basis of the values that have made it a success so far: [the value of the family business and the value of specialization.](#)

Faced with the diversification of businesses, FERMAX is committed to a unique business model.

Our clients are professionals with whom we establish lasting bonds based on good purchasing conditions, one to one technical assistance service and an exceptional product.

FERMAX has currently subsidiaries and representative offices in UK, Spain, France, China, India, Dubai, Singapore, Polska, USA, Turkey, Russia, Colombia, Vietnam, Bahrain and Slovak Republic.

Our products are also sold in another 70 countries.

WORLDWIDE PROJECTS



Palm Jumeirah
Dubai-UAE



Eureka Tower
Melbourne-Australia



Kolupark
Turkey



Capital Group
Moscow-Russia

MANUFACTURING PROCESS

In Fermax headquarters modern premises of more than 15.000m² where the manufacturing process takes place: assembly of the electronic circuits, plastic injection, the cutting panel process, the laser engraving and the multiple quality tests.

Fermax controls the entire product's life cycle from its conception to the shipment of the product.



ISO 14001



ISO 9001

OUR BUSINESS CULTURE

Our determination to continue to be an excellent company and one of the leading businesses in our sector worldwide makes us strive to achieve maximum quality standards, both in our products and processes.

FERMAX UK Ltd, 16 YEARS OFFERING THE BEST SERVICE

Fermax was established in the UK in the early 80's, becoming one of the first audio & video door entry companies in the country, recognized for the quality of its products.

In 1997, after years of great success in the UK, Fermax decided to open a subsidiary in Essex. Fermax UK Ltd took over the distribution of Fermax products, and in over 16 years, has managed to become one of the leading brands in the door entry UK market.



Chelsea bridge
London - U.K.



The Orion building
Birmingham - U.K.



The Cube
Birmingham - U.K.



Meridian Quay
Swansea - Wales



FERMAX

EDITORIAL

The past autumn Fermax inaugurated the mural painting that occupies 1.600 m² of the company's headquarters façade, implemented during the month of August by seven artists dedicated to the Street Art. The idea of bringing out art by transforming the streets into outdoor museums is always in the mind of the muralists. The core idea of our corporation is to contribute to social transformation making connections easier and allowing effective communication. The result of this particular initiative is a unique and innovative piece of urban art.

To develop this mural painting, the artists have studied the values that drive us, lived reality that breathes within Fermax. Soon afterwards they have translated these ideas outdoors using its particular aesthetics, its innovative language.

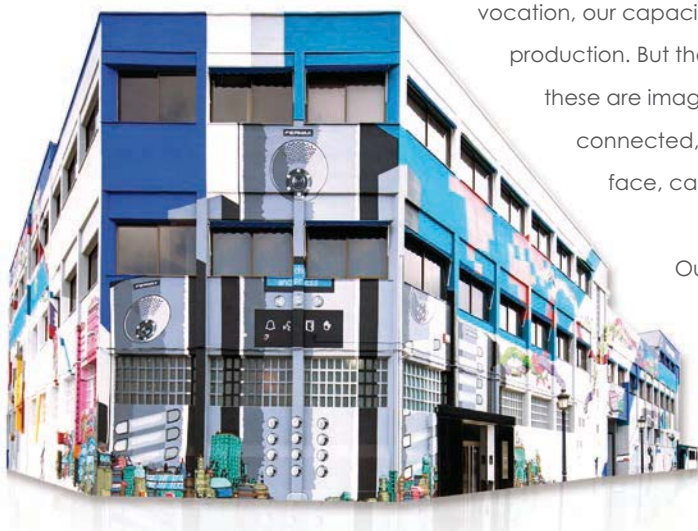
They have shown in this façade our dedication to interpersonal communication and our social responsibility, our international

vocation, our capacity of innovation and our concern for a sustainable production. But these are not abstract concepts anymore, loose words: these are images. People and cities communicated and constantly connected, electricity that becomes visible, electronics with human face, cables that grow as vines to embrace different realities.

Our reality has inspired their way to do art.

Now their images are the ones which inspire us:

to remind us of our most important task, to encourage us to reach further in our way.



FERMAX General Headquarters façade in Valencia, Spain

KITS	Video Audio	8 10	07
PANELS	Skyline Cityline Digital Marine	18 28 30	17
LOCK RELEASE	Flush-mounted Surface Specials	35 36 36	33
MONITORS & TELEPHONES	iLoft monitor Loft monitor Loft Compact monitor iLoft telephone Loft telephone	40 42 43 44 45	39
VDS SYSTEM			48
MDS SYSTEM			54
ACCESS CONTROL	Stand-alone Centralized	66 70	65
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KITS

VIDEO
AUDIO

FERMAX

STAR KITS

VDS



4961 1/W VDS COLOUR CITY VIDEO KIT

Includes

- 48505. 1/W COLOUR VDS CITY and flush box (ref.8948). Panel S1: 130x128. Kit flush box: 115x114x45.
- 3305. VDS COLOUR LOFT monitor.
- 3314. Surface connector.
- 4810. Power supply 18Vdc/1,5A-12Vac/1,5A. DIN10.

Extensions (with no extra power supply)

1 VDS LOFT monitor or 2 VDS LOFT telephones (ref.3390/3391).

2nd Audio access

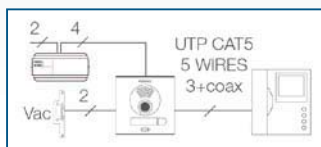
- 48455. 1/W audio panel and flush box.

2nd Video access

- 48505. 1/W video panel and flush box.
- 2450. Video switcher.

Accessories

- 3071. Door lock 450N-S(12Vac).
- 4812. Power supply 18Vdc/1,5A (each 2 additional monitors).
- 8948. Flush box S1.
- 7061. Surface box S1. 130x128x33.
- 9191. Decorative frame S1. 211x210.
- 8400. Hood S1. 135x130.



4955 1/W VDS COLOUR MEMORY VIDEO KIT

The same as in ref.4961 but with COLOUR MEMORY monitor (ref.3299).

VDS (2 APARTMENTS)



X2

49627 2/W VDS COLOUR CITY VIDEO KIT

Includes

- 48515. 2/W COLOUR VDS CITY panel and flush box (ref.8948). Panel S1: 130x128. Kit flush box S1: 115x114x45.
- 3305. VDS COLOUR LOFT monitor (2 units).
- 3314. Surface connector.
- 4810. Power supply 18Vdc/1,5A-12Vac/1,5A. DIN10.

Extensions (with no extra power supply)

VDS LOFT monitor or 2 VDS LOFT telephones (ref.3390/3391).

2nd Audio access

- 48465. 2/W audio panel and flush box.

2nd Video access

- 48515. 2/W video panel and flush box.
- 2450. Video switcher.

Accessories

- 3071. Door lock 450N-S(12Vac).
- 4812. Power supply 18Vdc/1,5A (each 2 additional monitors).
- 8948. Flush box S1.
- 7061. Surface box S1. 130x128x33.
- 9191. Decorative frame S1. 211x210.
- 8400. Hood S1. 135x130.

EXCLUSIVE

VDS



4950 1/W VDS iLOFT VIDEO KIT

Includes

- 48505. 1/W COLOUR VDS CITY panel with kit flush box S1 (ref.8948). Panel S1: 130x128. Kit flush box S1: 115x114x45.
- 5620. iLOFT VDS COLOUR monitor.
- 5630. iLOFT flush box. 158x108x45.
- 4810. Power supply 18Vdc/1,5A-12Vac/1,5A. DIN 10.

Extensions (with no extra power supply)

VDS iLOFT monitor or 2 VDS iLOFT telephones (ref.5601).

2nd Audio access

- 48455. 1/W audio panel and flush box.

2nd Video access

- 48505. 1/W video panel and flush box.
- 2450. Video switcher.

Accessories

- 3071. Door lock 450N-S(12Vac).
- 4812. Power supply 18Vdc/1,5A (each 2 additional monitors).
- 8948. Flush box S1.
- 7061. Surface box S1. 130x128x33.
- 9191. Decorative frame S1. 211x210.
- 8400. Hood S1. 135x130.
- 5631. Crystal decorative frame: 189x256x6.

4954 1/W VDS iLOFT SURFACE VIDEO KIT

Same as in ref.4950 but with iLOFT SURFACE VDS monitor (ref.5614).



HANDS-FREE MONITOR



4958 1/W VDS LOFT COMPACT VIDEO KIT

48505. 1/W COLOUR VDS CITY panel and flush box (ref.8948).
 Panel S1: 130x128.
 Kit flush box S1: 115x114x45.
 3753. VDS LOFT COMPACT monitor.
 3742. LOFT COMPACT surface connector.
 4810. Power supply 18Vdc/1,5A-12Vac/1,5A.

STAINLESS STEEL



5432 1/W VDS COLOUR MARINE KIT

54337. 1/W COLOUR VDS MARINE panel and flush box (ref.4641).
 Panel ST1: 150x180. Flush box ST1: 130x160x55.
 3305. COLOUR VDS LOFT monitor.
 3314. VDS connector.
 4810. Power supply 18Vdc/1,5A-12Vac/1,5A. DIN 10.

WITH ONE-TO-ONE



4889 1/W VDS COLOUR ONE-TO-ONE VIDEO KIT

7357. 1/W COLOUR VDS OneToOne CITY panel and kit flush box S4 (ref.8949).
 Panel S4: 130x199. Flush box S4: 115x185x45.
 COLOUR VDS LOFT monitor with induction loop.
 3314. VDS connector.
 2438. Light/buzzer activator.
 4810. Power supply 18Vdc/1,5A-12Vac/1,5A. DIN 10.

WITH PROXIMITY READER



4887 1/W VDS COLOUR PRIVATE VIDEO KIT

4899. 1/W COLOUR VDS PRIVATE CITY panel and Kit flush box S4 (ref.8949).
 Panel S4: 130x199. Flush box S4: 115x185x45.
 2336. Proximity cards (5units).
 44501. Proximity keyrings.
 3305. COLOUR VDS LOFT monitor.
 3314. VDS connector.
 4810. Power supply 18Vdc/1,5A-12Vac/1,5A. DIN 10.

WITH KEYPAD



4984 1/W VDS COLOUR MEMOVISION KIT

4902. 1/W COLOUR VDS MEMOVISION panel. S5: 130x246.
 8855. Flush box S5: 115x233x45.
 3305. COLOUR VDS LOFT monitor.
 3314. VDS connector.
 4810. Power supply 18Vdc/1,5A-12Vac/1,5A. DIN 10.

WITH FINGERPRINT



4892 1/W VDS COLOUR BIOVISION KIT

4903. 1/W COLOUR VDS BIOVISION panel. S5: 130x246.
 8855. Flush box S5: 115x233x45.
 3305. COLOUR VDS LOFT monitor.
 3314. VDS connector.
 4810. Power supply 18Vdc/1,5A-12Vac/1,5A. DIN 10.

ANALOGUE TECHNOLOGY



5 WIRES



4860 1/W 4+N CITY AUDIO KIT

Includes

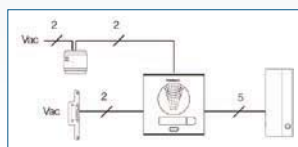
- 4845. 1/W 4+N CITY panel and flush box (ref.8948).
Panel S1: 130x128.
Kit flush box: 115x114x45.
- 3393. 4+N LOFT BASIC telephone.
- 4800. Power supply 12Vac/1,5A-DIN4.

2nd Audio access

- 4845. 1/W audio panel and flush box.
- 8819. Chalet switcher.

Accessories

- 3071. Door lock 450N-S (12Vac).
- 8948. Kit flush box S1.
- 7061. Surface box S1. 130x128x33.
- 9191. Decorative frame S1: 211x210.
- 8400. Hood S1: 135x130.
- 3380. Telephone decorative frame. 200x240.



Extensions (without extra power supply)

3 LOFT telephones (ref.3393). For more than 4 telephones, 1 power supply ref.4812 and 1 call multiplier (ref.2340) is required.

4862 2/W 4+N CITY AUDIO KIT

Same as in ref.4860 but with 2 LOFT BASIC 4+N telephones (ref.3393) and 2/W 4+N CITY KIT panel (ref.4846).

DUOX TECHNOLOGY



2 wires
DUOX



4920 1/W DUOX CITY AUDIO KIT

Includes

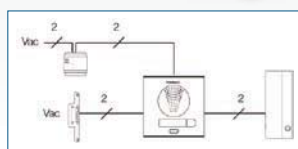
- 70704. 1/W DUOX CITY panel.
S1: 130x128.
- 8948. Kit flush box S1: 115x114x45.
- 3420. DUOX LOFT telephone.
- 4810. Power supply. 18Vdc/1,5A-12Vac/1,5A. DIN10

2nd Audio access

- 70704. Audio panel 1/W.
- 8948. Flush box.

Accessories

- 3070. Door lock 450N-412-S (12Vdc).
- 3071. Door lock 450N-S (12Vac).
- 8851. Kit flush box S1.
- 7061. Surface box S1. 130x128x33.
- 9191. Decorative frame S1. 211x210.
- 8400. Hood S1: 135x130.
- 3380. Telephone decorative frame 200x240.



Extensions

2 DUOX LOFT telephones (ref.3420).

4921 2/W DUOX CITY AUDIO KIT

The same as in ref.4920 but with 2 DUOX LOFT telephones (ref.3420) and 2/W CITYLINE panel (ref.70004).

EXCLUSIVE. HANDS-FREE



VDS



4878 1/W VDS iLOFT AUDIO KIT

- 48455. 1/W VDS AUDIO CITY panel. Panel S1: 130X128.
- 8948. Kit flush box S1: 115x114x45.
- 5601. VDS iLOFT telephone.
- 4810. Power supply 18Vdc/1,5A-12Vac/1,5A. DIN 10.

4879 2/W VDS iLOFT AUDIO KIT

The same as in ref.4878 but with 2 telephones and 2/W panel (ref.48465).

STAINLESS STEEL



VDS

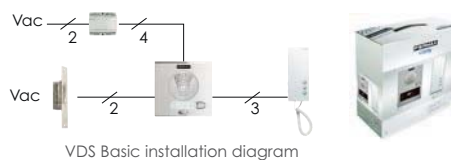


5431 1/W VDS MARINE KIT

- 54333. 1/W VDS AUDIO MARINE panel and flush box. (Flush box included ref.4641)
Panel ST1: 150x180. Flush box ST1: 130x160x55.
- 3391. VDS LOFT EXTRA telephone.
- 4810. Power supply 18Vdc/1,5A-12Vac/1,5A. DIN 10.

AUDIO KITS

SINGLE HOUSES & TERTIARY



CLASSIC KITS



4+N

69400 1/W 4+N CITY CLASSIC AUDIO KIT

- 8300. 1/W CITY CLASSIC panel and flush box (ref.8948)
Panel S1: 130x128.
Kit flush box S1: 115x114x45.
- 3393. 4+N LOFT BASIC telephone.
- 4800. Power supply 12Vac/1,5A-DIN4.

63250 2/W 4+N CITY CLASSIC AUDIO KIT

MINI KITS



4+N

1502 1/W 4+N MINI SURFACE KIT

With 1/W Surface MINI panel (ref.1519) and CITYMAX telephone. Panel: 100x166x26,50.

1503 2/W 4+N MINI SURFACE KIT

With 2 CITYMAX telephones and 2/W surface MINI panel (ref.1520).

WITH ONE-TO-ONE



VDS

4888 1/W VDS ONE-TO-ONE AUDIO KIT

- 7356. 1/W VDS OneToOne CITY panel (S4: 130x199) and kit flush box (S4. ref.8949: 115x185x45).
VDS LOFT EXTRA telephone with induction loop.
- 2438. Light/buzzer activator.
- 4810. Power supply 18Vdc/1,5A-12Vac/1,5A. DIN 10.

WITH PROXIMITY



VDS

4886 1/W VDS PRIVATE AUDIO KIT

- 4841. 1/W VDS PRIVATE CITY panel (S4: 130x199) and kit flush box (S4. 115x185x45).
- 2336. Proximity cards (5 units).
- 44501. Proximity keyrings.
- 3391. VDS LOFT EXTRA telephone.
- 4810. Power supply 18Vdc/1,5A-12Vac/1,5A. DIN 10.

WITH KEYPAD



VDS

4982 1/W VDS MEMOPHONE KIT

- 4842. 1/W VDS MEMOPHONE panel. S5: 130x246.
- 8855. Flush box S5. 115x233x45.
- 3391. VDS LOFT EXTRA telephone.
- 4810. Power supply 18Vdc/1,5A-12Vac/1,5A. DIN 10.

WITH FINGERPRINT



VDS

4890 1/W BIOPHONE VDS KIT

- 4885. 1/W VDS BIOPHONE panel. S5: 130x246.
- 8855. Flush box S5. 115x233x45.
- 3391. VDS LOFT EXTRA telephone.
- 4810. Power supply 18Vdc/1,5A-12Vac/1,5A. DIN 10.

EXTENSIONS: The VDS AUDIO KITS allow to use 3 extra telephones without additional power supply.



DUOX BUILDING KITS UP TO 24 APARTMENTS

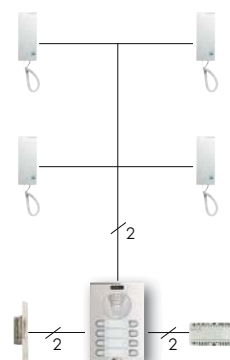
INSTALLATION: 2 WIRES NON POLARIZED

CITY-DUOX audio kits from 1 to 24 apartments incorporate FERMAX latest digital technology. DUOX is the new digital system representing an innovative and technological leap in the market. It only requires two non polarized wires for power supply, audio and data transmission. With DUOX we improve our technology keeping the maximum quality in the product and design, making the installation of door entry systems easier.

KIT EXTENSIONS AND ACCESSORIES:

- Apartment: up to 3 telephones (ref.3420).
- Recommended door lock: 450N-S (ref.3071).

AUDIO DIGITAL



BASIC INSTALLATION



4920 1/W DUOX CITY AUDIO KIT

70704. 1AP101 DUOX CITY panel.
Panel S1: 130x128.
8948. Kit flush box S1: 115x114x45.
3420. DUOX LOFT telephone.
4810. Power supply
18Vdc/1,5A-12Vac/1,5A. DIN10.

X1



4921 2/W DUOX CITY AUDIO KIT

70004. 1AP201 DUOX CITY panel.
Panel S1: 130x128.
8948. Kit flush box S1: 115x114x45.
3420. DUOX LOFT telephone (2 units).
4810. Power supply
18Vdc/1,5A-12Vac/1,5A. DIN10.

X2



4303 3/W DUOX CITY AUDIO KIT

70734. 4AP103 DUOX CITY panel.
Panel S4: 130x199.
8949. Kit flush box S4: 115x185x45.
3420. DUOX LOFT telephone (3 units).
4810. Power supply
18Vdc/1,5A-12Vac/1,5A. DIN10.
2008. 8-calls extension module.

X3



4304 4/W DUOX CITY AUDIO KIT

70744. 4AP104 DUOX CITY panel.
Panel S4: 130x199.
8949. Kit flush box S4: 115x185x45.
3420. DUOX LOFT telephone (4 units).
810. Power supply
18Vdc/1,5A-12Vac/1,5A. DIN10.
2008. 8-calls extension module.

X4



4306 6/W DUOX CITY AUDIO KIT

70034. 4AP203 DUOX CITY panel.
Panel S4: 130x199.
8949. Kit flush box S4: 115x185x45.
3420. DUOX LOFT telephone (6 units).
4810. Power supply
18Vdc/1,5A-12Vac/1,5A. DIN10.
2008. 8-calls extension module.

X6



4308 8/W DUOX CITY AUDIO KIT

70044. 4AP204 DUOX CITY panel.
Panel S4: 130x199.
8949. Kit flush box S4: 115x185x45.
3420. DUOX LOFT telephone (8 units).
4810. Power supply
18Vdc/1,5A-12Vac/1,5A. DIN10.
2008. 8-calls extension module.

X8



X10

4310 10/W DUOX CITY AUDIO KIT

- 70124. 5AP205 DUOX CITY panel.
Panel S5: 130x246.
- 8855. Flush box S5: 115x233x45.
- 3420. DUOX LOFT telephone (10 units).
- 4810. Power supply
18Vdc/1,5A-12Vac/1,5A. DIN10.
- 2441. 16-calls module extension.



X12

4312 12/W DUOX CITY AUDIO KIT

- 70134. 5AP206 DUOX CITY panel.
Panel S5: 130x246.
- 8855. Flush box S5: 115x233x45.
- 3420. DUOX LOFT telephone (12 units).
- 4810. Power supply
18Vdc/1,5A-12Vac/1,5A. DIN10.
- 2441. 16-calls module extension.



X14

4314 14/W DUOX CITY AUDIO KIT

- 70224. 6AP207 DUOX CITY panel.
Panel S6: 130x294.
- 8856. Flush box S6: 115x280x45.
- 3420. DUOX LOFT telephone (14 units).
- 4810. Power supply
18Vdc/1,5A-12Vac/1,5A. DIN10.
- 2441. 16-calls module extension.



X16

4315 16/W DUOX CITY AUDIO KIT

- 70234. 6AP208 DUOX CITY panel.
Panel S6: 130x294.
- 8856. Flush box S6: 115x280x45.
- 3420. DUOX LOFT telephone (16 units).
- 4810. Power supply
18Vdc/1,5A-12Vac/1,5A. DIN10.
- 2441. 16-calls module extension.



X18

4316 18/W DUOX CITY AUDIO KIT

- 70324. 7AP209 DUOX CITY panel.
Panel S7: 130x341.
- 8857. Flush box S7: 115x328x45.
- 3420. DUOX LOFT telephone (18 units).
- 4810. Power supply
18Vdc/1,5A-12Vac/1,5A. DIN10.
- 2441. 16-calls module extension
(2 units).



X20

4317 20/W DUOX CITY AUDIO KIT

- 70334. 7AP210 DUOX CITY panel.
Panel S7: 130x341.
- 8857. Flush box S7: 115x328x45.
- 3420. DUOX LOFT telephone (20 units).
- 4810. Power supply
18Vdc/1,5A-12Vac/1,5A. DIN10.
- 2441. 16-calls module extension
(2 units).



X22

4318 22/W DUOX CITY AUDIO KIT

- 71144. 8AP211 DUOX CITY panel.
Panel S8: 130x389.
- 8858. Kit flush box S8: 115x375x45.
- 3420. DUOX LOFT telephone (22 units).
- 4810. Power supply
18Vdc/1,5A-12Vac/1,5A. DIN10.
- 2441. 16-calls module extension
(2 units).



X24

4319 24/W DUOX CITY AUDIO KIT

- 71157. 8AP212 DUOX CITY panel.
Panel S8: 130x389.
- 8858. Kit flush box S8: 115x375x45.
- 3420. DUOX LOFT telephone (24 units).
- 4810. Power supply
18Vdc/1,5A-12Vac/1,5A. DIN10.
- 2441. 16-calls module extension
(2 units).



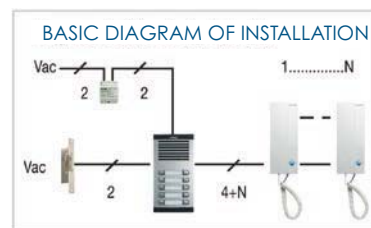
AUDIO KITS - BUILDINGS

AUDIO KITS FROM 1 TO 12 APARTMENTS. INSTALLATION: 4+N (1 WIRE PER APARTMENT)

The kits are supplied with all necessary material for a complete audio installation: City Classic panel and flush box, DIN 12Vac/1,5A (ref.4800) power supply and the corresponding Loft telephones.

KIT EXTENSIONS AND ACCESSORIES:

- 2nd Access: Required panel flush box + audio switcher (ref.8811) + voltage distributor (ref.8809).
 - At apartment: up to 3 telephones (ref.3393) without additional power supply.
 - Accessories: see accessories at Panel Section.
 - Door lock recommended: 450N-S (ref.3071).
- Normal functioning and short shield. 12Vac.



With LOFT telephone

69400 1/W CITY CLASSIC AUDIO KIT

analogue (4+1)



- 8300. 1/W CITY CLASSIC panel (Flush box kit ref.8948 included). Panel S1: 130x128. Flush box S1: 115x114x45.
- 3393. LOFT telephone.
- 4800. Power supply 12Vac/1,5A. DIN4.

63250 2/W CITY CLASSIC AUDIO KIT

analogue (4+2)



- 8301. 2/W CITY CLASSIC panel (Flush box kit ref.8948 included). Panel S1: 130x128. Flush box S1: 115x114x45.
- 3393. LOFT telephone (2 units).
- 4800. Power supply 12Vac/1,5A. DIN4.

63300 3/W CITY CLASSIC AUDIO KIT

analogue (4+3)



- 8302. 3/W CITY CLASSIC panel (Flush box kit ref.8949 included). Panel S4: 130x199. Flush box S4: 115x185x45.
- 3393. LOFT (3 units).
- 4800. Power supply 12Vac/1,5A. DIN4.

63350 4/W CITY CLASSIC AUDIO KIT

analogue (4+4)



- 8303. 4/W CITY CLASSIC panel (Flush box kit ref.8949 included). Panel S4: 130x199. Flush box S4: 115x185x45.
- 3393. LOFT (4 units).
- 4800. Power supply 12Vac/1,5A. DIN4.

63400 6/W CITY CLASSIC AUDIO KIT

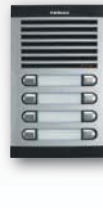
analogue (4+6)



- 8304. 6/W CITY CLASSIC panel (Flush box kit ref.8949 included). Panel S4: 130x199. Flush box S4: 115x185x45.
- 3393. LOFT (6 units).
- 4800. Power supply 12Vac/1,5A. DIN4.

63450 8/W CITY CLASSIC AUDIO KIT

analogue (4+8)



- 8305. 8/W CITY CLASSIC panel (Flush box kit ref.8949 included). Panel S4: 130x199. Flush box S4: 115x185x45.
- 3393. LOFT (8 units).
- 4800. Power supply 12Vac/1,5A. DIN4.

63500 10/W CITY CLASSIC AUDIO KIT

analogue (4+10)



- 8320. 10/W CITY CLASSIC panel (Flush box kit ref.8855 included). Panel S5: 130x246. Flush box S5: 115x246x45.
- 3393. LOFT telephone (10 units).
- 4800. Power supply 12Vac/1,5A. DIN4.

63550 12/W CITY CLASSIC AUDIO KIT

analogue (4+12)



- 8321. 12/W CITY CLASSIC panel (Flush box kit ref.8855 included). Panel S5: 130x246. Flush box S5: 115x246x45.
- 3393. LOFT telephone (12 units).
- 4800. Power supply 12Vac/1,5A. DIN4.

FERMAX

KITS

THE WIDEST RANGE OF KITS



Available from 1/W to 24/W.

Audio and Video.

Flush and surface mounted installation.

Integrated access control systems.

Available in different technologies.

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FERMAX



Search name
and press #



0006

PANELS

SKYLINE

CITYLINE DIGITAL

CITYLINE CLASSIC

MARINE

FERMAX



SKYLINE

INFINITE POSSIBILITIES



The new language from FERMAX.

SKYLINE is the only panel able to respond to all market needs. Integrating VIDEO DOOR ENTRY, ACCESS CONTROL AND INFORMATIVE DISPLAYS in the same unit.

Providing TOTAL CREATIVE FREEDOM through its versatility and modular design.

FERMAX guarantees the immediate supply of SKYLINE products (except stock breaks or fault of the company).

COMBINES

It consists of 28 different parts: 8 frames of different dimensions, audio-video modules, pushbutton modules, digital modules, access control readers, informative modules and other accessories.

ENHANCES

SKYLINE modules include the most cutting-edge technologies and functionalities, such as the new OneToOne module or the biometric reader.

The modules are smart system linked, facilitating their repair and maintenance, as well as the subsequent inclusion of more cutting-edge equipment or new modules.

RESISTS

SKYLINE manufacturing materials – anodized aluminium profile, chromed zamak pushbuttons and reinforcements, polycarbonate in transparent elements, stainless steel inner grids, etc - are chosen for their beauty and maximum resistance to bad weather conditions.



SKYLINE PANEL

PROJECT

SKYLINE consists of 8 different-sized frames where different modules can easily be fitted. Modules come in 2 sizes, designated V and W (W is twice the size of V).

The audio and video modules are available in all FERMAX technologies. Once technology has been selected, the use of these modules with the appropriate frames, allows to set up the necessary panel for any installation.

VIDEO AND AUDIO MODULES



Video W

Audio W



Frame 1V

Frame 2V



Frame 3V



Frame 4V



Frame 5V



Frame 6V



Frame 7V



Frame 8V

SKYLINE FRAMES

DOUBLE PUSHBUTTONS



8 Push. 204 W



4 Push. 202 V



2 Push. 201 V



4 Push. 104 W



2 Push. 102 V



1 Push. 101 V

SINGLE PUSHBUTTONS

DIGITAL PUSHBUTTONS



Direct/Digital keypad W



Display W



MDS Digitiser V

INFORMATION MODULES



Cardholder W



Cardholder V



OneToOne V



ACCESSORIES



Metallic complement W



Metallic complement V

ACCESS CONTROL



Fingerprint W



Keypad W



Proximity V



Bluetooth V



6V



1W=2V

1V

1V

1W=2V

TOTAL: 6V



6V



1W=2V

1W=2V

1W=2V

TOTAL: 6V



1



2

Module assembly sequence

SKYLINE

INFINITE POSSIBILITIES



COMBINATIONS

The combination of frames and modules depends on the number of apartments at the building and the accessories needed.

There are two module sizes: V and W (W is twice the size of V).



V = 105,2 x 47,5 mm



W = 105,2 x 95 mm

Frames are designated according to their V module inclusion capacity.

ASSEMBLY

The module-frame clip-on assembly system is very simple and effective.

The modules fit perfectly into the profile.
Watertight tapes prevent water and dirt to get in.

Once the panel is assembled, the different modules are connected to each other.

The final result is a compact and robust equipment set, just like a monoblock panel (IP43 IK7).

The pushbutton contacts and digital keypad are watertight, assuring their operation and reliability.
Proven in laboratory trials to be able to resist 100,000 pressings in 48 hours.

Dimensions: (width) x (height) x (depth) mm.

TECHNICAL FEATURES

VDS VIDEO PANEL WITH PUSHBUTTONS

Zamak injected profile tops.

Sliding logo. Concealed screw bolt fixes panel to flush box.

Compact audio and video module. Frontal module in aluminium and inner stainless steel grid.

Extruded aluminium curved-convex. Anodized finish.

Zamak injected call button with chromed finish.

Polycarbonate card slot. Frontal card slot access. Outdoor resistant labels.

Concealed screw bolt fixes panel to flush box.

High power and performance **2W amplifier**. Elliptical loudspeaker.

CCD COLOUR camera and optical of 3,7mm. Lighting for night vision by LEDs.

Permanent card slot lighting by **low consumption LEDs**.

High sensitivity **electret microphone**.

REAR VIEW

Electronic circuit manufactured in SMD.

VDS connections:

- +,- Power supply 18Vdc.
- L Data
- V,M Video
- NC, NO, C Potential free relay contact.
- Door opening programmable timing.
- , BS Pushbutton to active lock from indoors.

Operating test connector:

audio, video and monitors programming.

Smart connection between modules. Extension call modules are not required.

Voice synthesizer as standard (32 languages). "The door is open. Please, close the door behind you".

Adjust of conversation volume control from monitor, outdoor panel and synthesizer message.

PAN&TILT of camera to adjust $\pm 10^\circ$.

Pushbutton with watertight contacts.

Able to resist 100.000 pressings in 48 hours.

Laterally folding hinges.

1. FRAMES

7341	SKYLINE FRAME 1V - S1	130x128
7332	SKYLINE FRAME 2V - S2	130x151
7333	SKYLINE FRAME 3V - S4	130x199
7334	SKYLINE FRAME 4V - S5	130x246
7335	SKYLINE FRAME 5V - S6	130x294
7336	SKYLINE FRAME 6V - S7	130x341
7337	SKYLINE FRAME 7V - S8	130x389
7338	SKYLINE FRAME 8V - S9	130x436,5



ref.7341
1V



ref.7332
2V



ref.7333
3V



ref.7334
4V



ref.7335
5V



ref.7336
6V



ref.7337
7V



ref.7338
8V

TWO OR MORE PANELS

8829 JOINING BOLTS SET

Allows to combine two or more frames. One set is required for each additional frame installed between the flush box.

CONNECTION CABLES

Needed when there is more than one frame for connection of pushbutton modules between frames (70 cm).

Choose the right cable depending of the panel configuration:

	PUSHBUTTON	CARDHOLDER	ONE-TO-ONE MODULE	KEYPAD	DISPLAY
Ref.2540	4+N	4+N	VDS/4+N		
Ref.2541	VDS	VDS		VDS/MDS	VDS
Ref.2542			VDS		
Ref.2543			4+N		MDS

2541 VDS CONNECTION CABLE (6W)

2540 ANALOGUE CONNECTION CABLE (3W)

2542 VDS CONNECTION CABLE (5W)

2543 MDS CONNECTION CABLE (7W)



ref.8829



ref.2541 / 2540



VDS

SKYLINE PANEL

ACCESSORIES

FLUSH BOX. Made in aluminium and zamak, with folding hinges.

SURFACE BOX. For those cases where a hole in the wall cannot be made for the flush mounted box.

HOOD. To protect the outdoor panel when due to its location it may be affected by external agents such as rain, snow, etc.

ANGULAR COMPLEMENT. Necessary when the panel must be fitted in a point hard to access, for example behind a gate.

MODULAR DECORATIVE FRAME*

In replacement applications, allows to cover up the hole left by the old panel.

It is also an aesthetic element.

Modular assembly.



	FLUSH BOX	SURFACE BOX	HOOD	MODULAR* FRAME	CITY FRAME	ANGULAR COMPLEMENT
S1 (1V)	ref.8851 115x114x45	ref.7061 130x128x33	ref.8400 135x130	ref.9191 211x210	ref.8251 225x310	ref.8378
S2 (2V)	ref.8852 115x138x45	ref.7062 130x151x33	ref.8401 135x155	ref.9192 211x234	ref.8252 225x310	ref.8379
S4 (3V)	ref.8854 115x185x45	ref.7064 130x199x33	ref.8403 135x203	ref.9194 211x281	ref.8254 225x375	ref.8381
S5 (4V)	ref.8855 115x233x45	ref.7065 130x246x33	ref.8404 135x250	ref.9195 211x329	ref.8255 225x375	ref.8382
S6 (5V)	ref.8856 115x280x45	ref.7066 130x294x33	ref.8405 135x300	ref.9196 211x376	ref.8256 225x450	ref.8383
S7 (6V)	ref.8857 115x328x45	ref.7067 130x341x33	ref.8406 135x345	ref.9197 211x424	ref.8257 225x450	ref.8384
S8 (7V)	ref.8858 115x375x45	ref.7068 130x389x33	ref.8407 135x393	ref.9198 211x471	ref.8258 225x450	ref.8385
S9 (8V)	ref.8982 115x420,5x45	ref.7069 130x436,5x33	ref.8480 135x440,5	ref.9199 211x519	ref.8259 225x495	ref.8386

* Extension kit for double or triple panels: 9200 Double panel modular frame kit (H:341) or 9201 Triple panel modular frame kit (H:471)

Dimensions: (width) x (height) x (depth) mm.

2. MODULES

AUDIO & COLOUR VIDEO AMPLIFIER

7421	VDS COLOUR VIDEO MODULE W
7406	ANALOGUE COLOUR VIDEO MODULE W

7415	VDS AUDIO MODULE W
7400	ANALOGUE AUDIO MODULE W

7399	ANALOGUE AUDIO BASIC MODULE W
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Only for pushbuttons panels. OneToOne module not allowed.
Compatible with electronic call Fermax telephones.



COLOUR VIDEO MODULE W



AUDIO MODULE W

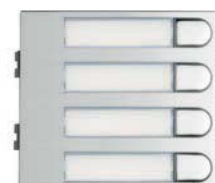
PUSHBUTTONS MODULES

DOUBLE PUSHBUTTONS

7371	8 PUSH. 204 VDS MODULE W
7369	8 PUSH. 204 ANALOGUE MODULE W
7372	4 PUSH. 202 VDS MODULE V
7370	4 PUSH. 202 ANALOGUE MODULE V
7376	2 PUSH. 201 VDS MODULE V
7374	2 PUSH. 201 ANALOGUE MODULE V



8 PUSH. 204 W



4 PUSH. 104 W



4 PUSH. 202 V



2 PUSH. 102 V



2 PUSH. 201 V



1 PUSH. 101 V

SINGLE PUSHBUTTONS

7367	4 PUSH. 104 VDS MODULE W
7365	4 PUSH. 104 ANALOGUE MODULE W
7368	2 PUSH. 102 VDS MODULE V
7366	2 PUSH. 102 ANALOGUE MODULE V
7375	1 PUSH. 101 VDS MODULE V
7373	1 PUSH. 101 ANALOGUE MODULE V

BRAILLE LABEL

6945	BRAILLE SINGLE PUSHBUTTON LABEL 1-76
6946	BRAILLE DOUBLE PUSHBUTTON LABEL 1-76



SKYLINE PANEL

DIGITAL MODULES

The **DISPLAY MODULE** allows to search through the list of residents and their allocated door codes (telephone book type). It indicates the communication status. The keys <D> allow to browse through the menu. Press <A> to call the apartment after keying the door number on the keypad.

7449 VDS DIGITAL DISPLAY W

7451 MDS DIGITAL DISPLAY W



ref.7449/7451



ref.7447



ref.7439

The **KEYPAD MODULE** allows to call the homes by keying the allocated door code. It also acts as an access control system, activating the door release when a given code is entered (depending on the technology).

7447 VDS/MDS DIGITAL KEYPAD W

7439 VDS/MDS DIRECT KEYPAD W

7460 MDS DIGITIZER V

Necessary in MDS-CITY and MDS DIRECT panel combinations. OneToOne functions included.

INFORMATIVE MODULES AND ACCESSORIES

7448 ONE-TO-ONE MODULE V



Device that informs on door entry operation using illuminated pictograms: calling, in call, door open or busy channel. Facilitates use for people with hearing difficulties.



ref.7448



7445 CARDHOLDER W

7444 CARDHOLDER V

Informative cardholder with lighting to personalize the building, indicate the address or the residents door codes directory. Needed in codified digital panels.



ref.7445



ref.7444

7443 METALLIC COMPLEMENT W

7442 METALLIC COMPLEMENT V

Made in the same material as the aluminium panels. Allows to cover gaps in the panel for future module installations.



ref.7443



ref.7442

ACCESS CONTROL MODULES

For more information, see "Access control" section.

7438 MEMOKEY W

Backlit keypad with signal LEDs. Activates the door release when a code up to 6 digits is entered. Admits 100 different codes that can activate 1 or 2 relays. Power supply 12Vac/Vdc.

7453 CENTRALIZED AC KEYPAD W

For centralized systems with MDS Central Unit (ref.2405) or Centralized AC Cenral Unit (ref.4410).

7457 CENTRALIZED AC SKYLINE DIRECT KEYPAD W

For access control combinations: with keypad with fingerprint or keypad with proximity.

The following SKYLINE access control modules can be set up in stand-alone, centralized mode (MDS central unit ref.2405) or Centralized access control (Central Unit ref.4410). The number of users in centralized mode depends on the Central Unit. (See "Access Control section").

6989 FINGERPRINT READER W

Indoor/outdoor. Maximum capacity of 4.500 users (stand-alone), 1.020 (centralized with MDS Central Unit) or 2.048 (centralized with CAC Central Unit).

Includes a built-in proximity reader to boost security. Includes a display and a remote infrared keypad for programming. 12Vdc/Vac.

7440 PROXIMITY READER V

Door opens when a proximity card is shown. Only authorized cards will activate the device. No physical contact is necessary.

Capacity: Up to 400 cards (stand-alone), 1.020 cards (centralized with MDS central unit) or 2.048 (centralized with Centralized Access Control Central Unit).

23361 PROXIMITY CARD W/O MAGNETIC STRIP

2336 PROXIMITY CARD WITH MAGNETIC STRIP

44501 PROXIMITY KEYRING

7441 BLUETOOTH READER V

Allows to activate the electric lock remotely by means of a **mobile phone** with built-in bluetooth wireless connection technology.

Can store up to 40 authorized telephones in stand-alone mode. The door opens automatically when detected, by key confirmation or entering a PIN code as a security mechanism.

The **telephone Bluetooth must be activated** in order to receive the opening and administration commands as well as to send the corresponding configuration commands.



ref.7438



ref.6989



ref.7440



ref.23361



ref.44501



ref.7441

SKYLINE PANEL

VDS VIDEO COMBINATIONS

6 PUSHBUTTONS



- 7334 Frame 4V S5
- 7421 Audio-Video VDS
- 7372 4P 202V
- 7376 2P 201V
- 8855 Flush box S5

8 PUSHBUTTONS



- 7334 Frame 4V S5
- 7421 Audio-Video VDS
- 7371 8P 204W
- 8855 Flush box S5

10 PUSHBUTTONS



- 7335 Frame 5V S6
- 7421 Audio-Video VDS
- 7371 8P 204W
- 7376 2P 201V
- 8856 Flush box S6

12 PUSHBUTTONS



- 7335 Frame 5V S6
- 7421 Audio-Video VDS
- 7371 8P 204W
- 7372 4P 202V
- 8856 Flush box S6

14 PUSHBUTTONS



- 7336 Frame 6V S7
- 7421 Audio-Video VDS
- 7371 8P 204W
- 7372 4P 202V
- 7376 2P 201V
- 8857 Flush box S7

16 PUSHBUTTONS



- 7336 Frame 6V S7
- 7421 Audio-Video VDS
- 7371 8P 204W (2u.)
- 8857 Flush box S7

18 PUSHBUTTONS



- 7337 Frame 7V S8
- 7421 Audio-Video VDS
- 7371 8P 204W (2u.)
- 7376 2P 201V
- 8858 Flush box S8

20 PUSHBUTTONS



- 7337 Frame 7V S8
- 7421 Audio-Video VDS
- 7371 8P 204W (2u.)
- 7372 4P 202V
- 8858 Flush box S8

22 PUSHBUTTONS



- 7338 Frame 8V S9
- 7421 Audio-Video VDS
- 7371 8P 204W (2u.)
- 7372 4P 202V
- 7376 2P 201V
- 8982 Flush box S9

24 PUSHBUTTONS



- 7338 Frame 8V S9
- 7421 Audio-Video VDS
- 7371 8P 204W (3u.)
- 8982 Flush box S9

OTHER COMBINATIONS



- 7335 Frame 5V S6
- 7421 Audio-Video VDS
- 7371 8P 204W
- 7448 OneToOne module VDS
- 8856 Flush box S6

VDS DIGITAL PANELS WITH ACCESS CONTROL SYSTEMS

DIGITAL



- 7336 Frame 6V S7
- 7421 Audio-Video VDS
- 7449 Digital Display VDS
- 7372 Digital keypad VDS
- 8857 Flush box S7

DIGITAL WITH FINGERPRINT



- 7338 Frame 8V S9
- 7421 Audio-Video VDS
- 7449 Digital Display VDS
- 7447 Digital keypad VDS
- 6989 Fingerprint reader
- 8982 Flush box S9

DIGITAL PANORAMIC



- 7332 Frame 2V S2 (3u.)
- 7421 Audio-Video VDS
- 7449 Digital Display VDS
- 7447 Digital keypad VDS
- 8857 Flush box S2 (3u.)
- 9192 Modular frame S2
- 9201 Triple modular frame kit S2
- 8829 Joining bolts (2u.)
- 2541 Connection cable (2u.)



Create your own SKYLINE panel, save the image and draw up a list of materials with SKYLINER at www.fermaxuk.com





DIGITAL VIDEO DOOR ENTRY PANEL

The Cityline Digital Video door entry panel includes a **COLOUR CAMERA** as standard issue and a numeric **KEYPAD** to make house calls. It is simple and intuitive to use. For calling, once the door code is entered, press the bell to call the house.

COMPACT AUDIO-VIDEO MODULE



The **MODULE** has a powerful built-in high-performance (2W) **AMPLIFIER** with volume control to set the conversation level. A synthesized message - "The door is open. Please, close the door behind you"- is emitted while the door is opening. Opening time is adjustable from the keypad.

COLOUR CAMERA

Includes a highly sensitive **CCD CAMERA** with 3.7mm lens. Additional night vision lighting with 6 LEDs. A **PAN&TILT** system allows to adjust the lens $\pm 10^\circ$, according to the panel position.

KEYPAD WITH MAXIMUM RESISTANCE




The metallic keys are made in zamak with permanent **BACKLIGHTING** allowing to see the numbers in poor light conditions. Its robust design and airtight keys guarantee reliability and durability in any atmosphere.

CITYLINE DIGITAL PANEL



LCD DISPLAY

High contrast, enables to view the names of the residents and the codes through a phone book type **DIRECTORY**. The display shows the communication status: calling, busy, etc.

The keys <|> allow to browse through the user and programming menu. Once the door code is entered, press  to call the house.

INTUITIVE AND EASY USE

Select the tenant/door from the DISPLAY and press the bell key directly.



ACCESS CONTROL BY KEYPAD

Through the keypad it is possible to activate the installation's electric lock. VDS digital panels can handle up to 350 codes/users. The MDS Digital panel can manage up to 1.020 users with Central Unit (ref.2405).

1. DIGITAL PANEL

COLOUR VIDEO

7299 VDS CITY DIGITAL VIDEO PANEL S7

7297 MDS CITY DIGITAL VIDEO PANEL S7

AUDIO

7303 VDS CITY DIGITAL AUDIO PANEL S7

7301 MDS CITY DIGITAL AUDIO PANEL S7

ACCESSORIES

7310 DIRECTORY PANEL S7

8857 FLUSH BOX S7

7067 SURFACE BOX S7

8829 JOINING BOLTS SET



VIDEO

AUDIO

ref.7310

Panel S7: 130x341
Flush box S7: 115x328x45

Marine is the range of vandal-proof door-entry panels made of 2.5 mm-thick stainless steel. Grade 3:16. Straight lines that highlight the quality of the steel. Cutting-edge technology and resistance to even the most corrosive and dangerous environments.

FEATURES

- The vandal-proof **CALL BUTTONS** are made of stainless steel and are able to resist high impacts.
- The panel is attached to the flush box by means of vandal-proof **SAFETY SCREWS** made of stainless steel, which can only be removed using the key supplied.
- The **FLUSH-MOUNTED BOX** is galvanised metal and is attached to the wall by means of self-expanding screws and plugs, to avoid warping.

The cardholders, the camera window and the directory of names are all made of 6 mm-thick polycarbonate, resistant to impacts and high temperatures.

- The SMD (Surface Mounting Device) **AMPLIFIER**, which has been subjected to a process of tropicalisation, is designed to withstand the most adverse weather conditions.

Incorporates voice synthesis as standard: a message is emitted when the lock-release is activated: "Door open, please close the door behind you".

- The **CAMERA**, equipped with lighting for low-light conditions, has a PAN&TILT adjustment system to move the camera $\pm 10^\circ$ in any direction.

Incorporates a 3.6 mm. wide angle lens.

STANDARD PANEL

To quote the standard range of panels simply choose from one of these four options and continue down the column for the appropriate back box.

The dimensions are standard, so advance preparation for the installations is easy.

The panels are pre-built stock items with just the engraving process required. Back-boxes are stock items and available immediately for first fix installation.

The part number is created using the same matrix as our bespoke panels; the two letter labels are for standardised dimensions. Prices on application.

Once engraving is confirmed delivery is within 14 working days.



Marine audio panel
with OneToOne



Marine video panel
with proximity reader



Marine video panel
with 1 pushbutton



Marine video panel
with keypad and
1 pushbutton

PANEL TYPE

AA	AB	AC	AD
140x240	140x300	140x380	200x460
			
1-9 PUSH.	10-16 PUSH.	17-24 PUSH.	
			
	10-16 PUSH.	17-24 PUSH.	15-34 PUSH.

AUDIO

VIDEO

MARINE PANEL

DIGITAL PANELS

The MARINE DIGITAL panel includes a keypad to call the apartments by dialling the door number or the corresponding code.

- COLOUR camera as standard issue.
- A DIRECTORY DISPLAY allows to search for the neighbours and their door number.
- Once the code is introduced, press the BELL KEY to call.
- The metallic keys are made of zamak. BACKLIGHTING allowing to see the numbers in poor light conditions.
- Through the keypad it is possible to activate the installation's electric lock. The management of codes/user numbers depend on the model panel: 350 codes (VDS) and 1.020 codes (MDS with Central Unit ref.2405) .



VDS

5468 VDS DIGITAL VIDEO PANEL ST3

5465 VDS DIGITAL AUDIO PANEL ST3

MDS

5470 MDS DIGITAL VIDEO PANEL ST3

5467 MDS DIGITAL AUDIO PANEL ST3



ref.5468 / ref.5469 /
ref.5470



ref.5465 / ref.5466 /
ref.5467

DIGITAL PANEL ACCESSORIES

5471 DIRECTORY MARINE PANEL ST3

4643 MARINE FLUSH BOX ST3

130x340x55.

4703 MARINE HOOD ST3

4647 MARINE SURFACE BOX ST3

154x364x55. With hood.

2289 JOINING BOLTS SET



ref.5471

ST3: 150x360.

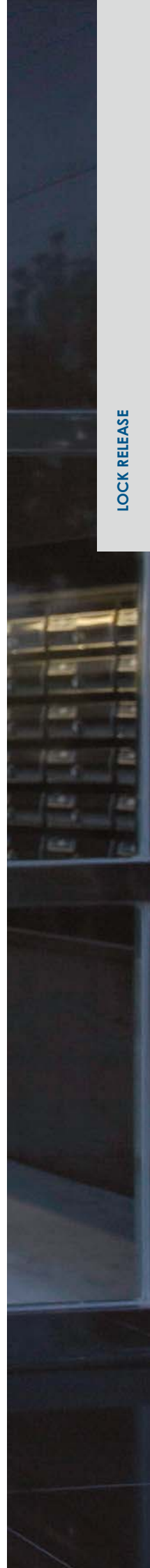




LOCK RELEASE

FLUSH-MOUNTED
SURFACE
SPECIAL

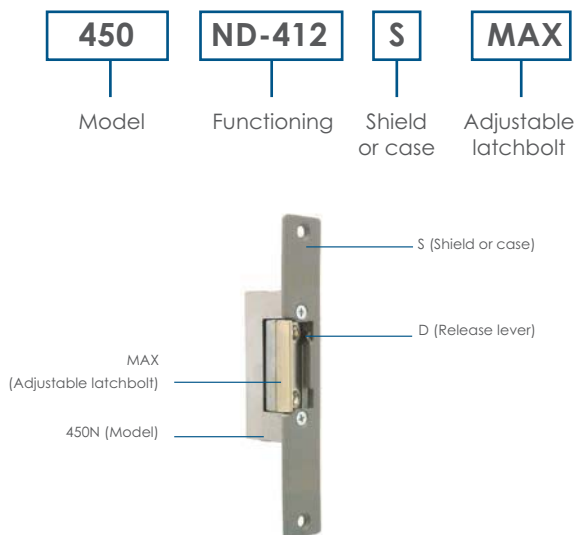
FERMAX



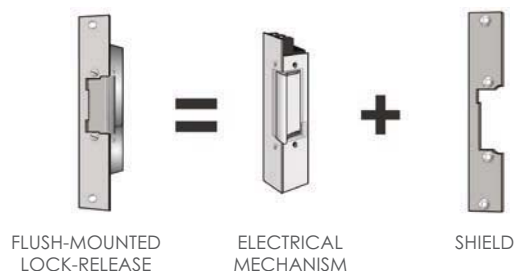
ELECTRICAL LOCK RELEASE

An electrical lock-release basically consists of an electrical mechanism and a shield or case, depending on the installation system (flush-mounted or surface).

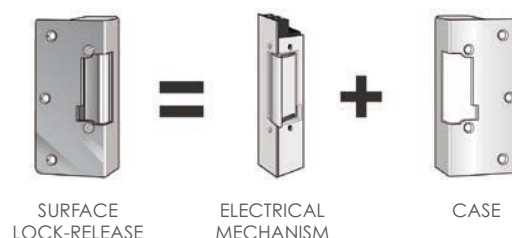
ref.30598 ELECTRICAL LOCK-RELEASE



FLUSH-MOUNTED LOCK-RELEASE



SURFACE LOCK-RELEASE



TYPES OF FUNCTIONING

NORMAL – N FUNCTIONING

When the lock-release button is held down, it is unblocked, allowing the door to be opened.

- **N** 12 Vac activation
- **N-412** 12 Vdc activation
- **N-424** 24 Vdc activation

AUTOMATIC – A, Aa (invisible) FUNCTIONING

The lock-release is unblocked simply by pressing the lock-release button once, allowing the door to be opened. The lock-release is automatically blocked when the door is closed again.

- **A, Aa** 12 Vac activation
- **A-412, Aa-412** 12 Vdc activation
- **A-424, Aa-424** 24 Vdc activation

INVERTED – N-500 FUNCTIONING

The lock-release with a D in its description indicates an unblocking lever which stops it functioning, allowing free access.

- **N-512** 12 Vdc activation
- **N-524** 24 Vdc activation

ADDITIONAL FUNCTIONS

- Release lever – D

The lock-release, which contains a D in its description indicates that a manual release is added, which inhibits its operation, allowing access completely free.

- **ND** Normal deblocking and activation
- **AD** Automatic deblocking action

- Microcommutator - CTC.

Includes a microcommutator to signalize whether the door is opened or closed. For security systems.

- MAX series with adjustable latchbolt

This version allows a precise adjustment between the latch and the bolt (with a margin of 4mm).

To order a MAX version lock-release, **add an 8 to the chosen reference.**

For more information about door locks, see "Lock Release 2013 catalogue".

ELECTRICAL LOCK RELEASE

FLUSH-MOUNTED

1. FLUSH-MOUNTED LOCK RELEASE

450 SERIES

Available in MAX version. Lock-release with 75mm body, reversible and symmetrical. Right and left-hand opening. Mechanisms require a short S shield (ref.2973) or a large M shield (ref.2893).

3071	LOCK RELEASE 450N-S	12 Vac
3069	LOCK RELEASE 450A-S	12 Vac
2820	LOCK RELEASE 450AD-S	12 Vac
3070	LOCK RELEASE 450N-412-S	12 Vdc
3057	LOCK RELEASE 450A-412-S	12 Vdc

Mechanisms

3016	MECHANISM 450ND	12 Vac
1700	MECHANISM 450Aa	12 Vac
1701	MECHANISM 450AaD	12 Vac
1702	MECHANISM 450ND-412	12 Vdc
1705	MECHANISM 450Aa-412	12 Vdc
1706	MECHANISM 450AaD-412	12 Vdc

UNIVERSAL SERIES

Available in MAX version. Lock-release with reversible 104mm body, reversible and symmetrical. Right and left-hand opening. doors. In the MAX version, the body is 90mm. The mechanisms require a short S shield (ref.2973) or large G.

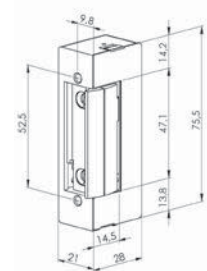
2911	UNIVERSAL LOCK RELEASE N-S	12 Vac
2909	UNIVERSAL LOCK RELEASE A-S	12 Vac
2912	UNIVERSAL LOCK RELEASE ND-S	12 Vac
2910	UNIVERSAL LOCK RELEASE AD-S	12 Vac
2958	UNIVERSAL LOCK RELEASE N-412-S	12 Vdc
3038	UNIVERSAL LOCK RELEASE A-412-S	12 Vdc
3093	UNIVERSAL LOCK RELEASE AD-412-S	12 Vdc
2967	UNIVERSAL LOCK RELEASE N-512-S	12 Vdc
2908	UNIVERSAL LOCK RELEASE A-424-S	24 Vdc

Mechanisms

1709	UNIVERSAL MECHANISM Aa	12 Vac
1710	UNIVERSAL MECHANISM AaD	12 Vac
3060	UNIVERSAL MECHANISM N CTC	12 Vac
1714	UNIVERSAL MECHANISM Aa-412	12 Vdc
1715	UNIVERSAL MECHANISM AaD-412	12 Vdc
3085	UNIVERSAL MECHANISM N-412 CTC	12 Vdc



450ND-S MAX

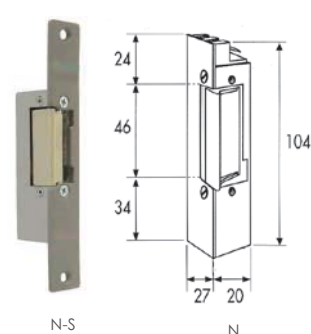


450ND-MAX

450 Series consumption		
N,A	12Vac	980mA
N-412	12Vdc	400mA



N-G



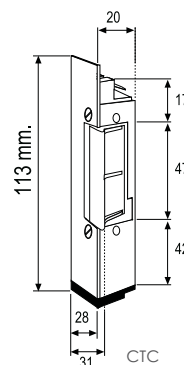
N-S

N

Universal Series consumption		
N,A	12Vac	980mA
N-412	12Vdc	150mA
N-512	12Vdc	150mA
A-424	24Vdc	120mA



N CTC

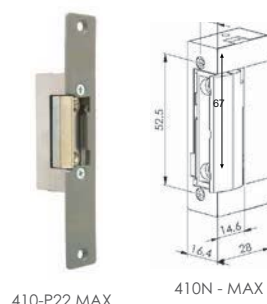


CTC

410 SERIES

MAX version. With special 16.5 mm-wide mechanism and P-22 shield type. Recommended for very thin frames.

- 3040 LOCK RELEASE 410N-P22 MAX
- 3048 LOCK RELEASE 410A-P22 MAX
- 2889 LOCK RELEASE 410N-412-P22 MAX
- 2890 LOCK RELEASE 410A-412-P22 MAX



410 Series consumption		
N,A	12Vac	980mA
N-412 A-412	12Vdc	400mA

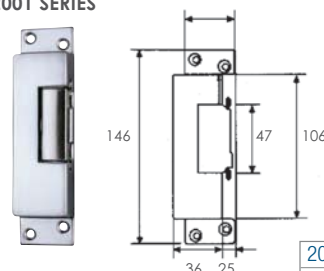
2. SURFACE LOCK RELEASE

2000 SERIES

Available in MAX version. Include reversible Universal Series mechanism and case. Right-hand and left-hand opening.

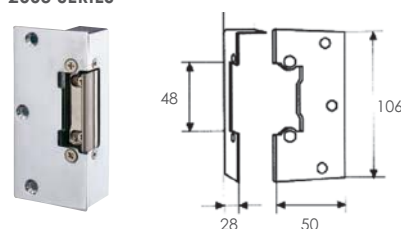
- 2923 LOCK RELEASE N-2001-CHROME
- 2940 LOCK RELEASE ELECTRICAL
N-2003-ANODIZED ALUMINIUM

2001 SERIES



2000 Series consumption		
N	12Vac	980mA

2003 SERIES



6000 SERIES

For doors with bolt locks. Surface-mounted lock-release with hidden attachment. Reversible. Right-hand and left-hand opening. Does not permit inverted functioning or MAX version.

- 3004 LOCK RELEASE 6000N-GREY
- 3005 LOCK RELEASE 6000A-GREY

6000 SERIES



6000 Series consumption		
N,A	12Vac	980mA

6000A DIN left

3. SPECIAL LOCK RELEASE

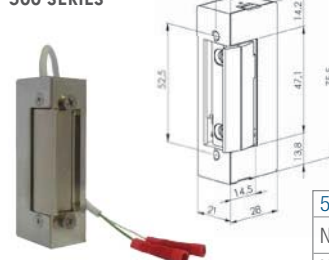
REINFORCED 500 SERIES (800KG)

Allows MAX version.

- 2829 MECHANISM 500N
- 2827 MECHANISM 500N-412

These mechanisms need a SX short shield (ref.3049) or a MX large (ref.2868). See accessories at page 51.

500 SERIES



500 Series consumption		
N	12Vac	980mA
N-412	12Vac	400mA

ELECTROLOCK

Electric lock for more security. Automatic functioning.

- 3007 ELECTROLOCK 931 DOUBLE KEY
- 2991 ELECTROLOCK 932 WITH KEY+PUSHBUTTON
- 2878 ELECTROLOCK 961 DOUBLE KEY
- 2879 ELECTROLOCK 962 WITH KEY+PUSHBUTTON

930 SERIES



930, 960 Series consumption	
12Vac/Vdc	850mA/1,7A

ELECTRICAL LOCK RELEASE

SPECIALS / ACCESSORIES

C GLASS / CII GLASS SERIES

Double plate. For installation on double-plate glass doors of up to 12mm. Inverted functioning or MAX version not allowed.

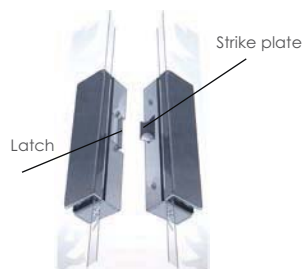
2997 GLASS CND CHROMED LOCK RELEASE

2998 GLASS CAD CHROMED LOCK RELEASE

One plate. Articulated flush-mounted lock-release for one plate glass doors (of up to 12mm). MAX version not allowed.

3095 GLASS CIIN-SX LOCK RELEASE

3098 GLASS CIIN-512-SX LOCK RELEASE



C Series consumption		
N,A	12Vac	980mA



CII Series consumption		
N	12Vac	980mA
N-512	12Vdc	150mA

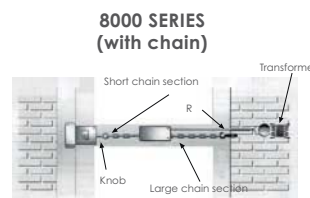
8000 SERIES/ P SERIES (ANTI-PANIC)

8000 Series with chain for opening of doors with surface locks with knob. P Series anti-panic designed for doors with anti-panic bars.

2984 LOCK RELEASE 8000N WITH CHAIN

3064 LOCK RELEASE PN

3065 LOCK RELEASE PN-412



8000 Series consumption		
N	12Vac	980mA



P Series consumption		
N	12Vac	980mA
N-412	12Vdc	150mA

AUTOMATIC ELECTROLOCK

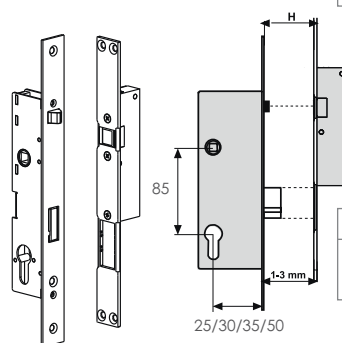
850 Series. It automatically closes the lock bolt without having to use the key and allows remote opening from the dwelling.

3101 AUTOMATIC ELECTROLOCK 850/50 A

For wood and iron doors.

3102 AUTOMATIC ELECTROLOCK 850/25 A

For aluminium doors.



850 Series consumption		
12Vdc	1.350mA	
12Vac	990mA	

ELECTROMAGNETIC

Inverted functioning. 12/24Vdc. For security installations.

3050 FLUSH-MOUNTED 300KG

3052 SURFACE 300KG

The lock release can be installed in wall with bracket.

3078 BRACKET (for ref.3052)

3079 DOUBLE Z BRACKET

2837 U BRACKET (for ref.3052)



ELECTROMAGNETIC Series consumption	
12Vdc	500mA
24Vdc	250mA

4. ACCESSORIES

FLUSH-MOUNTED & SURFACE LOCK (Shields & Cases)

2973	SHIELD TYPE-S. GREY
3049	SHIELD TYPE-SX. INOX STAINLESS STEEL
2893	SHIELD TYPE-M. GREY
2868	SHIELD TYPE-MX. INOX STAINLESS STEEL
2975	SHIELD TYPE-G. GREY (36mm)
2985	SHIELD TYPE-GE. GREY (12mm)
2979	CASE TYPE-2001. CHROMED
2983	CASE TYPE-2005. CHROMED
2981	TAPE/CASE TYPE-2003. INOX STAINLESS STEEL

FOR ALL TYPE OF LOCK RELEASES

2913	2C DOUBLE CONTACT
2922	3C TRIPLE CONTACT
3083	X1 FLEXIBLE CONDUIT. (30cm)
3084	X2 RIGID VANDAL PROOF CONDUIT (26cm)
4800	POWER SUPPLY. DIN 4. 12Vac/1,5A
4813	POWER SUPPLY. DIN 6. 12Vdc/1,5A
3264	AC ELECTRIC LOCK COMMANDER



MONITORS & TELEPHONES

ILOFT MONITOR

LOFT MONITOR

LOFT COMPACT MONITOR

ILOFT TELEPHONE

LOFT TELEPHONE

FERMAX

iLOFT

Hands-free colour video monitor. Compact and extra slim. Its essential design features a transparent polycarbonate sheet, a singular audio output, multifunction buttons and a TFT screen displaying top quality and clarity.

Flush-mounted or surface installation.

The integrated digital audio technology ensures a high quality hands-free communication without interferences.

PERFORMANCE

When a call is received, the image appears automatically on the monitor. To communicate with the outdoor panel the button  has to be pressed, allowing hands-free conversation.



POLYCARBONATE
SHEET



MULTI-FUNCTION
PUSHBUTTONS



AUDIO OUTPUT



3,5" TFT SCREEN DISPLAY
WITH OSD MENU (VDS)



Ref.5614

Ref.5620

REFERENCES

Surface option.

5614 VDS iLOFT SURFACE MONITOR






Flush-mounted option.

5620 VDS iLOFT MONITOR

5630 iLOFT FLUSH BOX. 108x158x45



FUNCTIONS

- COLOUR TFT screen.
-  Activate/deactivate the communication with the door entry panel.
-  Call to guard and door opener button.
-  Autostart of main camera.
- Door bell, for direct connection to house call pushbutton (VDS).
- **F1-F2:** Button to activate additional functions:
 - stair light switching, 2nd door opening, panic call, etc.
-  **MENU**  Digital menu for adjustment/regulation of internal parameters.
 - Call volume control: high, medium and disconnected.
 - Ringtone selection.
 - Brightness/Contrast/Colour adjustment.
- Monitor includes an OSD menu displayed on the screen, simple and easy to manage allowing the user to get the most from its functionalities.

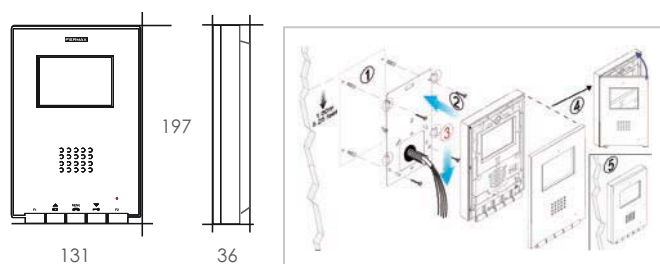
PROGRAMMATION

The iLoft monitor contains an innovative system that allows internal parameters set up and adjusted from the monitor itself once installed, through the digital ▲MENU▼.

The monitor has to be programmed depending on the number of apartments that are installed.

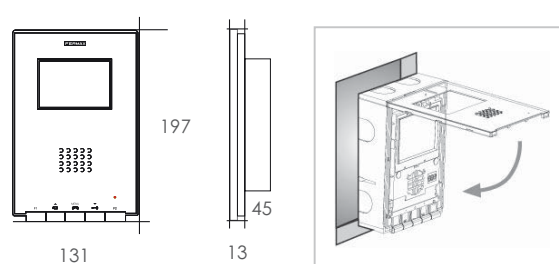
DIMENSIONS / INSTALLATION

Surface



36 mm protusion from the wall once fixed.

Flush-mounted



13 mm protusion from the wall once fixed.

ACCESSORIES



Ref.5631

DECORATIVE FRAME

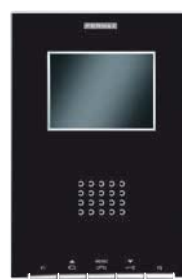
Ref.5631 Decorative frame made of beveled crystal.
Dimensions: 189x256x6. Only for flush-mounted monitor.

COVERS

Frontal colour covers.



Ref.5633 Silver



Ref.5634 Black



Ref.5635 Gold


Dimensiones: (width) x (height) x (depth) mm.

LOFT

LOFT monitor is made of high-impact ABS plastic. Texturised finish for easy cleaning and ultraviolet protection. It has many attachment points for wall mounting, as well as coiled cord with telephone plug connectors.



A magnet located in the handset allows it to hang safely.

PERFORMANCE

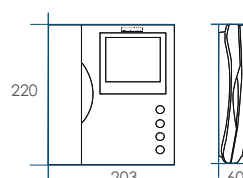
When a call is received, the image appears automatically on screen. When the handset is picked-up a conversation with the visitor can take place. Push the corresponding button  to open the door. The image disappears after a few seconds, or when the handset is hunged.



FUNCTIONS

- COLOUR TFT screen.
-  Call to guard and door opener button.
-  Autostart of main camera.
- **F1-F2:** Button to activate additional functions: stair light switching, 2nd door opening, panic call, etc.
- Door bell, for direct connection to house call pushbutton (VDS & BUS2 version).
- Selectable call tones.
- Call volume control: high, medium or disconnected.
- Brightness, contrast and colour control.

DIMENSIONS / INSTALLATION



Monitor: 203x220x60.
Surface installation.

REFERENCES

- | | |
|------|-------------------------|
| 3305 | VDS COLOUR LOFT MONITOR |
| 3314 | VDS LOFT CONNECTOR |

- | | |
|------|---|
| 3325 | VDS LOFT DESKTOP SUPPORT |
| 3384 | DECORATIVE FRAME W/C 250X240 |
| 3441 | LOFT HANDSET W/INDUCTION LOOP  |

Adapted for people with auditive disability.



ref.3325
(monitor not included)




ref.3384
(monitor not included)

Dimensions: (width) x (height) x (depth) mm.

LOFT COMPACT

Colour LOFT COMPACT monitor is the compact model from the LOFT range. It is made of high-impact ABS plastic with a textured finish for easy cleaning and ultraviolet protection. It has many attachment points for wall mounting.

PERFORMANCE

Press  to activate communication between the monitor and the outdoor panel in full-duplex mode.

Press  to open the door.

The picture disappears after a few seconds or when the conversation channel is closed by pressing .



REFERENCES

Surface option:

3753 VDS COLOUR SURFACE
LOFT COMPACT MONITOR

3391 VDS LOFT COMPACT CONNECTOR

Flush option:




3758 VDS FLUSH-MOUNTED CONNECTOR

3746 FLUSH BOX

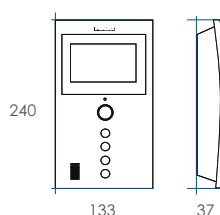
3744 DECORATIVE FRAME



FUNCTIONS

- COLOUR TFT screen.
-  Communication full-duplex.
-  Call to guard and door opener button.
-  Autostart of main camera.
- **F1-F2:** Button to activate additional functions: stair light switching, 2nd door opening, panic call, etc.
- Door bell, for direct connection to house call pushbutton (included in VDS technology).
- 2 selectable call tones.
- 3 scene selection brightness-contrast-colour.

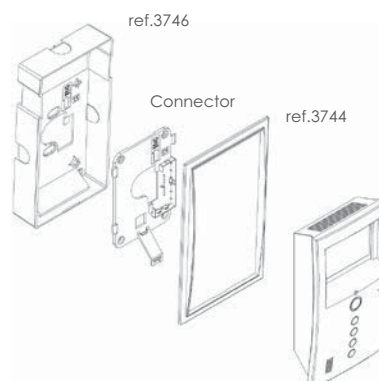
DIMENSIONS / INSTALLATION



Colour monitor:

133x240x37.

Surface installation.





iLOFT TELEPHONE

The iLOFT telephone is a compact and extra slim door entry system that works in hands-free communication with the outdoor panel.

The integrated digital audio technology ensures a high quality hands-free communication without interferences.

Surface installation.

PERFORMANCE

When receiving a call, press the button  to establish a hands-free communication with the outdoor panel. Communication will end automatically after 90 seconds or when  is pressed again.





REFERENCES

5601 VDS iLOFT TELEPHONE



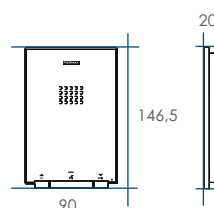
FUNCTIONS

-  Button to activate/deactivate the communication with the door entry panel.
-  Call to guard and door opener button.
- **F1**: Button to activate additional functions: stair light switching, 2nd door opening, panic call...
- 5 selectable or call tones.
- Sequential control volume.
- Option change of operation, from hands-free to press-to-talk (PTT).
- 3 signaling leds:
 - Blue: calling/in communication.
 - Green: automatic opening function activated.
 - Red: Do not disturb/volume off function.
- Automatic door opening (Doormatic).

DIMENSIONS / INSTALLATION

Telephone: 90x146,5x20.

Surface installation.



Dimensions: (width) x (height) x (depth) mm.


LOFT TELEPHONE

The LOFT telephone is made of high-impact ABS plastic with a texturised finish for easy cleaning and ultraviolet protection. It has many attachment points for wall mounting, as well as coiled cord with telephone plug connectors.

A magnet located in the handset allows to hang it safely.

PERFORMANCE

When a call is received it is possible to establish a conversation with the outdoor panel.

Push the corresponding button  to open the door.



REFERENCES

3390 VDS LOFT BASIC TELEPHONE

3391 VDS LOFT EXTRA TELEPHONE

3749 DESKTOP SUPPORT

3380 DECORATIVE FRAME 200X240

3441 LOFT HANDSET W/INDUCTION LOOP 


Adapted for people with auditive disability.

Dimensions: (width) x (height) x (depth) mm.

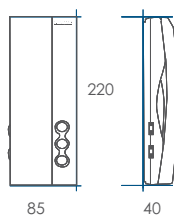


FUNCTIONS

The EXTRA version includes the following features:

-  Call to guard and door opener button.
- **F1-F2:** Button to activate additional functions: stair light switching, 2nd door opening, panic call, etc.
- 2 selectable call tones.
- Volume control: high, medium, disconnected.

DIMENSIONS



Telephone: 85x220x40.



ref.3380

(telephone not included)



SYSTEMS

VDS
MDS

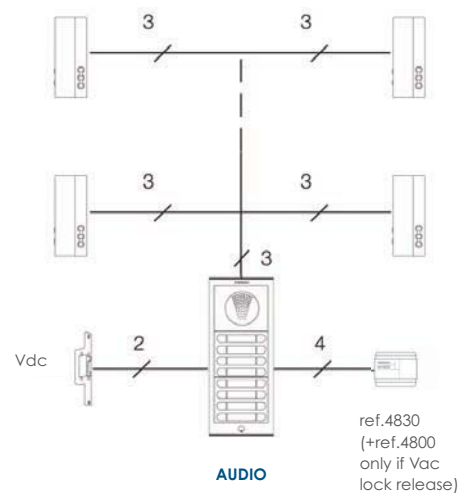
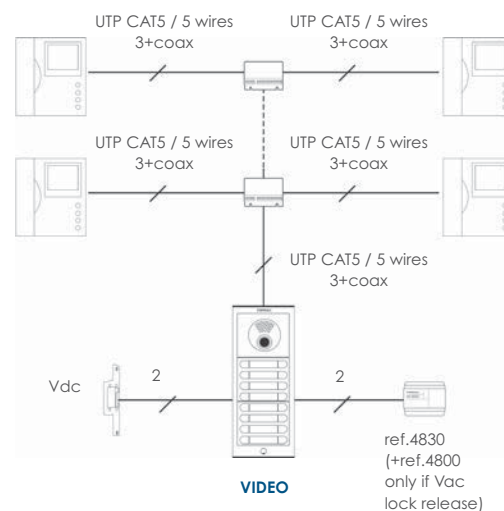
FERMAX

VIDEO: 5 WIRES / UTP CAT5 / 3 WIRES+COAX
AUDIO: 3 WIRES

FEATURES

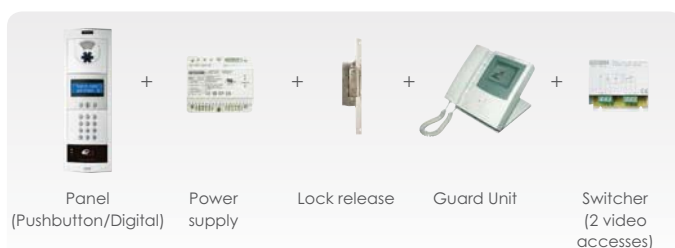
- VDS wiring: 5 wires, UTP CAT5 or 3 wires+coax.
- Capacity: buildings of up to 199 homes, 2 entry accesses and central guard unit.
- Maximum distance: 200 mtrs. (See VDS technical info.).
- The VDS amplifier includes *Voice Synthesizer* as standard in 32 languages. A message is reproduced when the lock-release is activated: *"The door is open. Please, close the door behind you"*.
- CAMERA is always in COLOUR.
- The VDS MONITORS & HANDSETS must be programmed with the number of the corresponding home. It is possible to combine monitors and telephones in the same installation.
- The communication is PRIVATE.
- In replacement, the VDS allows to change 4+N entry system for a VDS video entry setup, making use of the existing wiring.

BASIC INSTALLATION

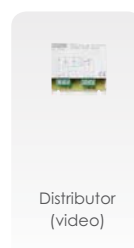


A VDS system basically consist of the following elements:

Accesses



Building (by floors)



Home



Accessories



1. OUTDOOR PANEL

PUSHBUTTONS

MARINE

- Select the panel according to the number of apartments of the building. **VDS amplifier required.**
- Request the flush box and accessories.
- Add the necessary call extension modules depending on the number of apartments.

2441 16-CALLS EXTENSION MODULE

2008 8-CALLS EXTENSION MODULE



MARINE



SKYLINE



ref.2441



ref.2008

SKYLINE (See next page).

DIGITAL PANEL

DIGITAL panel includes a keypad and a directory display. The keypad incorporates an access control function (350 codes).

SKYLINE (See next page).

CITYLINE

7299 VDS DIGITAL VIDEO PANEL S7

7303 VDS AUDIO VIDEO PANEL S7

7310 DIRECTORY PANEL S7

8857 FLUSH BOX S7



ref.7299

Panel dimensions: 130x341 (S7)
Flush box dimensions: 115x328x45 (S7)

MARINE

Supplied complete with flush-mounted box.

5468 DIGITAL VDS VIDEO PANEL ST3

5465 DIGITAL VDS AUDIO PANEL ST3

5471 DIRECTORY MARINE PANEL ST3

4643 MARINE FLUSH BOX ST3

4647 MARINE SURFACE BOX ST3

2289 JOINING BOLTS SET



ref.5468



ref.5465



ref.5471

ST3 Panel dimensions: 150x360
ST3 Flush box dimensions: 130x340x45

SKYLINE PANEL

SKYLINE consists of 8 different-sized frames where the modules can easily be fitted. Modules come in 2 sizes: V and W (W is twice the size of V).

The use of these modules with the appropriate frames, enables to set up the necessary panel for any building.



VIDEO & AUDIO MODULES



Video W
ref.7421



Audio W
ref.7415



Frame 1V | Series 1
ref.7341 | 130x128



Frame 2V | Series 2
ref.7332 | 130x151



Frame 3V | Series 4
ref.7333 | 130x199



Frame 4V | Series 5
ref.7334 | 130x246



Frame 5V | Series 6
ref.7335 | 130x294



Frame 6V | Series 7
ref.7336 | 130x341



Frame 7V | Series 8
ref.7337 | 130x389



Frame 8V | Series 9
ref.7338 | 130x436,5

SKYLINE FRAMES

VDS DOUBLE PUSHBUTTONS



8 Push. 204 W
ref.7371



4 Push. 202 V
ref.7372



2 Push. 201 V
ref.7376

VDS SINGLE PUSHBUTTONS



4 Push. 104 W
ref.7367



2 Push. 102 V
ref.7368



1 Push. 101 V
ref.7375

VDS DIGITAL MODULES



Direct keypad W
ref.7439



Display W
ref.7449



Digital keypad W
ref.7447

INFORMATIVE MODULES



Cardholder W
ref.7445



Cardholder V
ref.7444



OneToOne V
ref.7448



ACCESSORIES



Metallic
complement W
ref.7443



Metallic
complement V
ref.7442

ACCESS CONTROL MODULES



Fingerprint W
ref.6989



Keypad W
ref.7438



Proximity V
ref.7440



Bluetooth V
ref.7441

The flush boxes used are standard FERMAX metallic. They can be joined laterally within the same series by means of a joining bolt set (ref.8829).

ref.8851. Flush box S1. 115x114x45

ref.8852. Flush box S2. 115x138x45

ref.8854. Flush box S4. 115x185x45

ref.8855. Flush box S5. 115x233x45

ref.8856. Flush box S6. 115x280x45

ref.8857. Flush box S7. 115x328x45

ref.8858. Flush box S8. 115x375x45

ref.8982. Flush box S9. 115x420,5x45

If the configuration calls for more than one panel, a connection cable between them is needed (1 cable for each additional panel).

ref.2541 Cable 6 W.

ref.2542 Cable 5 W.

Dimensions: (width) x (height) x (depth) mm.

2. POWER SUPPLY/SWITCHER

4830 POWER SUPPLY 18Vdc/3,5A

To power the system one power supply is required for each 40 monitors or each 80 telephones. DIN6 format.

4812 POWER SUPPLY 18Vdc/1,5A

For additional monitors in homes. 1 power supply is required for every 2 additional monitors in the apartment. DIN6 format.

4800 POWER SUPPLY 12Vac/1,5A

For power the electric lock (Vac). DIN4 format.

2450 VDS VIDEO SWITCHER

Necessary for installations with 2 VDS video outdoor panels (without guard unit).

2002 VDS AUTOMATIC PULL-UP

Guarantees data transmission from the VDS system's data connection. Recommended in systems with multiple branches or large distances between the panel/guard unit and the residential terminals.

COMBINATION WITH OTHER SYSTEMS

2409 VDS/MDS DECODER

For condominiums where a VDS system is combined in apartment internal blocks (I.B.) the condominiums with an MDS system at general entrances (G.E.). 1 decoder is required for each apartment block. At video installation, one distributor (ref.2448) and/or a switcher (ref.2450) is required (see the table).



ref.4830



ref.4812



ref.4800



ref.2450

	VDS Audio I.B.	VDS Video I.B.
MDS Audio G.E.	2409 VDS decoder	2409 VDS decoder
MDS Video G.E.	2409 VDS decoder 2448 Video distributor	2409 VDS decoder 2448 Video distributor 2450 Switcher

3. MONITORS & TELEPHONES

All models include door opener button as standard and are suitable for guard unit. All monitors include colour TFT screen. They must be programmed with the number of the home in which they are installed.

LOFT

3305 VDS LOFT MONITOR

3299 VDS LOFT MEMORY MONITOR

3314 VDS LOFT CONNECTOR

3325 VDS LOFT DESKTOP CONNECTOR

3384 VDS LOFT CONNECTOR WITH DECORATIVE FRAME

3441 LOFT HANDSET WITH INDUCTION LOOP



ref.3305



ref.3384
250x240



ref.3325

LOFT COMPACT (HANDS-FREE)

Surface option:

- | | |
|------|----------------------------|
| 3753 | VDS LOFT COMPACT MONITOR |
| 3742 | VDS LOFT COMPACT CONNECTOR |

Flush-mounted option:




- | | |
|------|-----------------------------|
| 3758 | VDS FLUSH-MOUNTED CONNECTOR |
| 3746 | FLUSH BOX |
| 3744 | DECORATIVE FRAME |

iLOFT (HANDS-FREE)

Surface option:

- | | |
|------|---------------------------|
| 5614 | VDS SURFACE iLOFT MONITOR |
|------|---------------------------|

Flush-mounted option:

- | | | |
|------|--------------------------|---|
| 5620 | VDS iLOFT MONITOR | |
| 5630 | iLOFT FLUSH-MOUNTED BOX | 108x158x45 |
| 5631 | CRYSTAL DECORATIVE FRAME | 189x256x6 |
| 5633 | SILVER COVER |  |
| 5634 | BLACK COVER |  |
| 5635 | GOLD COVER |  |

VIDEO DISTRIBUTORS


It is recommended to carry out all video signal distribution by means of distributors.

- | | |
|------|--------------------------|
| 2448 | 2-WAYS VIDEO DISTRIBUTOR |
| 2449 | 4-WAYS VIDEO DISTRIBUTOR |

iLOFT TELEPHONE (HANDS-FREE)

- | | |
|------|---------------------|
| 5601 | VDS iLOFT TELEPHONE |
|------|---------------------|

LOFT TELEPHONE

- | | | |
|------|-------------------------------|---|
| 3390 | VDS LOFT BASIC TELEPHONE | |
| 3391 | VDS LOFT EXTRA TELEPHONE | |
| 3380 | DECORATIVE FRAME | 200x240 |
| 3441 | LOFT HANDSET W/INDUCTION LOOP |  |
| 3749 | DESKTOP SUPPORT | |

4. VDS ACCESSORIES

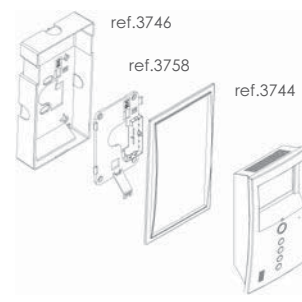
ADDITIONAL FUNCTIONS

- | | |
|------|-------------------------------|
| 2013 | ADDITIONAL FUNCTION RELAY. 2A |
|------|-------------------------------|

Makes it possible to remotely activate electrical devices using an additional button on the telephone or monitor: to switch on the stair light, to open the garage, etc.



ref.3753



ref.3753

Flush-mounted option



ref.5614



ref.5620 + ref.5631



ref.2448



ref.5601



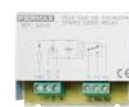
ref.3390



ref.3391



ref.3391+ref.3380



ref.2013

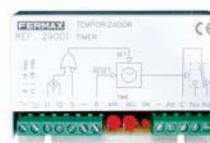
Dimensions: (width) x (height) x (depth) mm.

SMALL & MEDIUM PROJECTS

VDS SYSTEM

29001 TIMMER

Makes it possible to activate a device for a given time (programmable from 0 to 6 minutes or 0 to 60 seconds). The activation can be automatic when a call is received or by means of a specific button on the telephone or monitor.



ref.29001

VIDEO ACCESSORIES

4110 VIDEO AMPLIFIER

To regenerate the video signal of the coaxial in installations with cable distances of more than 200 metres.

It is possible to expand video door-entry installations with a 2nd overhead camera and select and view it from the monitor (expandable up to 8 cameras).

2450 VDS VIDEO SELECTOR/SWITCHER

Necessary in VDS video door entry system with 2 video door entry panels.



ref.2450

2472 8-CAMERAS SELECTOR

Allows to control up to 8 additional cameras from the monitor (F1 and F2 buttons).



ref.2472

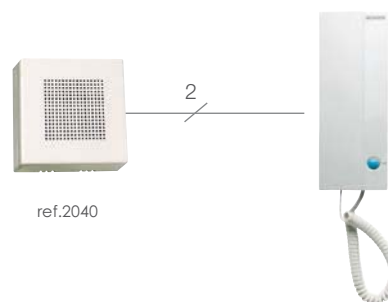
CALL ACCESSORIES

2040 ELECTRONIC CALL EXTENSION BELL

Equipment that receives the door entry system call tone, allowing to hear it in any place where the call extender is located. It is possible to connect 1 for each monitor or handset.

2438 VDS LIGHT OR BUZZER ACTIVATOR

Allows to activate high powered devices or indicators when a call is received: bells, sirens, light bulbs, etc. It is possible to connect 1 for each monitor or handset.



ref.2040

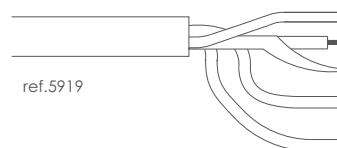
CABLES

5919 VIDEO BUS CABLE (1MTR)

3 wires of 1mm² + 1 coaxial of 75 Ohms. This cable is supplied in 100 metre rolls. Orders must be multiplied of 100.

59195 VIDEO BUS CABLE (1MTR)

3 wires of 1mm² + 1 coaxial of 75 Ohms. This cable is supplied in 500 metre rolls. Orders must be multiplied of 500.



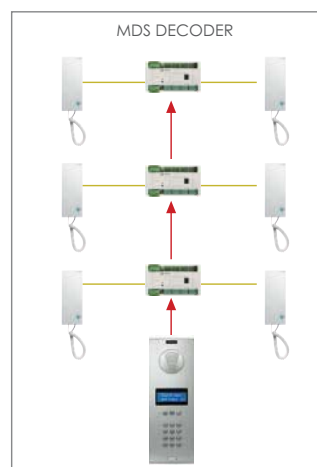
ref.5919

VIDEO: 6 COMMON WIRES + 1 SHIELDED TWISTED PAIR + 1 VIDEO COAX

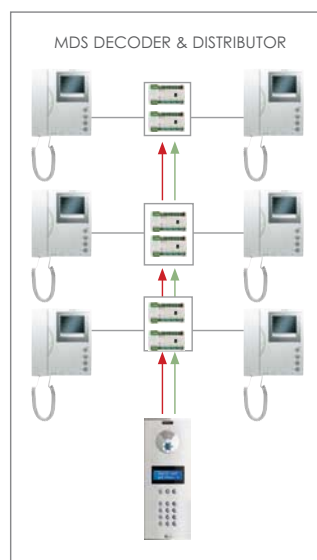
AUDIO: 4 COMMON WIRES + 1 SHIELDED TWISTED PAIR

FEATURES

- MDS (Multiplexed Digital System) is a digital audio and video door-entry system that integrates all the services of the apartment block or housing complex:
- Allows to manage buildings and condominiums of whatever size.
- **AUDIO AND VIDEO DOOR ENTRY SYSTEM.**
- **INTERCOMMUNICATION** between accesses, homes, guard units and lifts.
- **ACCESS MANAGEMENT AND CONTROL** according to authorisations to restricted areas. Each user has an identification code for all accesses.
- **SECURITY** centralised in the guard unit, for protection of common areas and control of incidents in the homes.
- **AUTOMATION** of functions and services of the apartment block or condominium (sprinklers, lights, swimming-pool, etc).
- MDS is a system with **simplified BUS installation** ❶.
- The **Central Unit** ❷ incorporates all the electronics for management and control of the system.
- The floor **MDS decoders and MDS distributors** ❸ connect the homes to the installation BUS and act as isolators.
- Home to outdoor panel communication is **private**.



AUDIO BUS + DATA + TELEPHONE BUS



AUDIO BUS + DATA + VIDEO BUS

More information about diagrams at www.fermax.com

MDS SYSTEM OPTIONS

• MDS DIGITAL:

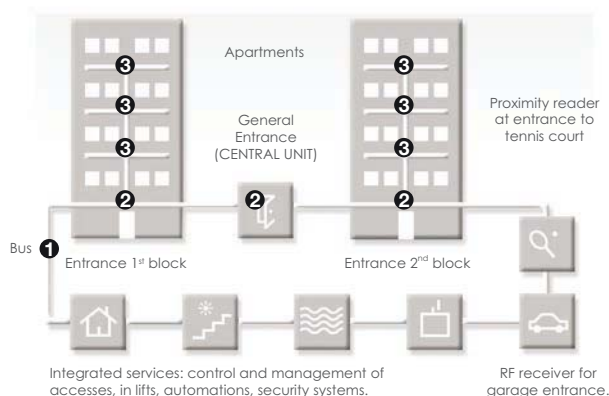
Requires a Central Unit.

C. U. Capacity: 9.999 homes, 32 accesses/guard units.

Up to 63 Central Units can be connected. Incorporates all the MDS services.

• MDS COMBINED WITH OTHER SYSTEMS:

In the case of housing complexes, the flexibility of MDS makes it possible to combine general MDS entrances and internal apartment blocks with VDS or conventional 4+N audio or video door-entry system or with individual houses.

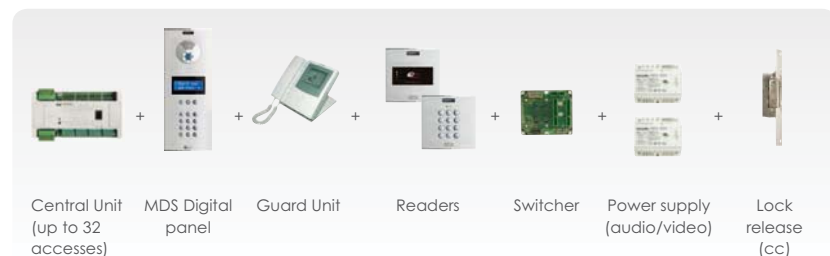


Dimensions: (width) x (height) x (depth) mm.

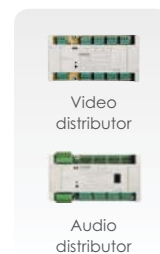
MDS DIGITAL

A complete MDS DIGITAL system basically consists of the following elements:

Access/General entrances and blocks



Building (by floors)



At home



1. OUTDOOR PANEL

Panel with keypad + electronic directory.

A Central Unit is required.

SKYLINE

It allows to create any audio or video door entry panel with access control and information displays.

FRAMES

7336	SKYLINE FRAME 6V-S7	130x341
8857	FLUSH BOX S7	115x328x45
7337	SKYLINE FRAME 7V-S8	130x389
8858	FLUSH BOX S8	115x375x45
7338	SKYLINE FRAME 8V-S9	130x436,5
8982	FLUSH BOX S9	115x420,5x45

AMPLIFIER AND COLOUR CAMERA

7406	ANALOGUE VIDEO MODULE W
7400	ANALOGUE AUDIO MODULE W

DISPLAY / KEYPAD

7451	MDS DIGITAL DISPLAY MODULE W
7447	MDS DIGITAL KEYPAD MODULE W

INFORMATIVE MODULES

7448	ONE-TO-ONE MODULE V
7444	CARDHOLDER MODULE V

ACCESS CONTROL MODULES

6989	FINGERPRINT READER W
7440	PROXIMITY READER V
7441	BLUETOOTH READER V



CITYLINE

7297 MDS DIGITAL VIDEO PANEL S7

7301 MDS DIGITAL AUDIO PANEL S7

7310 DIRECTORY PANEL S7

8857 FLUSH BOX S7

7067 SURFACE BOX S7

8257 DECORATIVE FRAME S7

8829 JOINING BOLTS SET



ref.7297



ref.7301



ref.7310

Panel dimensions

(S7): 130x341

Flush box dimensions

(S7): 115x328x45

MARINE

The panel is supplied with the corresponding flush box.

5470 MDS DIGITAL VIDEO PANEL ST3

5467 MDS DIGITAL AUDIO PANEL ST3

5471 DIRECTORY PANEL ST3

4643 MARINE FLUSH BOX ST3

4647 MARINE SURFACE BOX ST3

2289 JOINING BOLTS SET



ref.5470



ref.5467



ref.5471

Panel dimensions

(ST3): 150x360

Flush box dimensions

(ST3): 130x340x55

2. GUARD UNIT

2537 MDS DIGITAL GUARD UNIT

Desktop support included. Allows surface installation. Includes a 4" graphic display that informs of all the events and actions of the installation.

The guard unit has 3 operation modes: **day**, **night** and **mixed**, and in the case of MDS Digital Installations, it can act as a panic reception centre. The guard unit can communicate with any access or home, and can establish communication between any 2 points of the installation (exclusively MDS installation).



ref.2537

3. CENTRAL UNIT

Essential in installations with MDS digital panels.

2405 MDS 1 ACCESS CENTRAL UNIT

Manages up to 9.999 apartments and 1.020 access control users.

- **In individual blocks:** manages up to 32 accesses (1 of them can be audio/video). For more audio/video accesses, switcher (ref.2379) every 2 accesses will be required.

- **In housing complexes:** up to 31 accesses per Central Unit if the accesses are audio/video, 2-access switchers ref.2379 will be required. Includes WINCOM PLUS software for PC configuration. Includes memory for incidents record (A.C. applications).



ref.2405

2379 2-ACCESSES SWITCHER

Necessary to connect more than one video panel/guard unit to C.U. Add 1 module for more than 1 additional panel/guard unit.

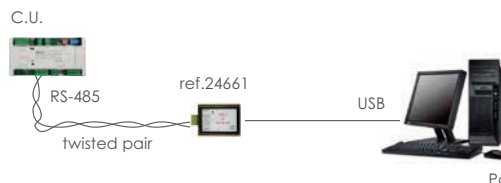


ref.2379

PC CONNECTION ACCESSORIES

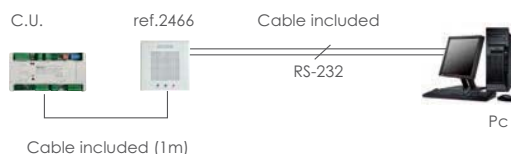
24661 USB TO RS-485 PC ADAPTOR

Enables Central Unit programming by PC in FXL network. PC Connection by USB.



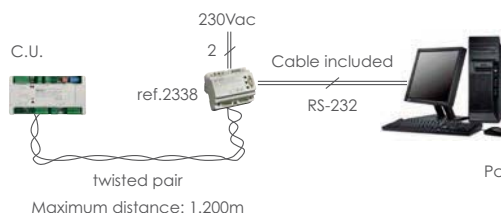
2466 DECODER PROGRAMMING MODULE. ADAPTOR RS-232 TO RS-485

Enables Central Unit programming by PC (serial port).



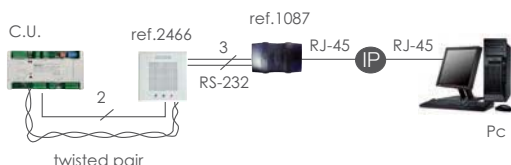
2338 RS-232 TO RS-485 PC ADAPTOR

Allows Central Unit programming in FXL network. DIN. RS-232 connection to PC. Allows to connect 1 modem for remote management by telephone. Maximum distance to Central Unit: 1.200m.



1087 IP REMOTE MANAGEMENT MODULE

It is connected to the Central Unit by means of the adaptor ref.2466. Permits communication between the management computer and the installation using the computer network (Ethernet), avoiding additional wiring. Remote management via internet is possible if there are no protection devices (firewall) in the computer installation.



4. POWER SUPPLIES

GENERAL POWER SUPPLY

4813 AUDIO POWER SUPPLY. 12Vdc/2A

DIN6 format. Requires: 1 unit for each Central Unit and up to 6 accesses; or 1 unit for every 10 VDS decoders or audio decoders, depending on the distance and cable cross-section used.

4830 VIDEO POWER SUPPLY. 18Vdc/3,5A

DIN6 format. Requires: 1 unit for each 40 monitors or 1 unit for each 4 monitors per apartment.

4812 VIDEO POWER SUPPLY. 18Vdc/2A

DIN6 format. To extend the number of monitors in homes. Requires: 1 unit for every 2 additional monitors per home.

EMERGENCY POWER SUPPLY

For functioning of the power unit if the electricity supply fails, it is necessary to connect it to an adapter, to which a battery is connected. Compatible with any type of standard lead acid battery.

2060 EMERGENCY BATTERY ADAPTOR. 12Vdc

1021 EMERGENCY BATTERY ADAPTOR. 18Vdc

2070 BATTERY 12V/2,2a. LED ACID



ref.4813



ref.4830



ref.4812



ref.2060

5. AUDIO DECODER/VIDEO DISTRIBUTORS

AUDIO DECODER

2424 4-WAYS AUDIO MDS DECODER

1 unit for each 4 homes. DIN10.

2425 8-WAYS AUDIO MDS DECODER

1 unit for each 8 homes. DIN10.

2426 4-WAYS AUDIO ISO DECODER

1 unit for every 4 homes (audio/video). Necessary in MDS installations where total isolation of the telephones from the rest of the installation is required (anti-sabotage) and in MDS DIGITAL installations with "panic button" or with light indicator on telephones. DIN10 format.

2436 4-PANEL DECODER

1 unit for every 4 panels 4+N of up to 2 pushbuttons. For installation in lifts or garages, in order to make calls to concierge. DIN10.

2466 DECODER PROGRAMMING MODULE. ADAPTOR RS-232 TO RS-485

Includes DECOWIN software and connection cables. Allows remote programming of the MDS Digital Central Unit and decoders.



ref.2424



ref.2436

LARGE INSTALLATION

MDS SYSTEM

24661 ADAPTOR USB to RS-485

Enables programming of MDS Digital Central Unit (ref.2405) and decoders by PC via USB port.

VIDEO DISTRIBUTOR

2418 4-WAYS VIDEO DISTRIBUTOR

1 unit for each 4 homes (video). DIN10.

2419 8-WAYS VIDEO DISTRIBUTOR

1 unit for each 8 homes (video). DIN10.



ref.2419

6. COMBINATION WITH OTHER SYSTEMS

The MDS decoder allows connecting the general entrance (G.E.) with interior blocks (I.B.) with VDS technology.

2409 VDS/MDS DECODER

Necessary for enclosures in VDS interior blocks already installed 1 decoder per block. Add one distributor (ref.2448) and/or switcher (ref.2450) in general video entry installations.

	VDS Audio I.B.	VDS Video I.B.
MDS Audio G.E.	2409 VDS decoder	2409 VDS decoder
MDS Video G.E.	2409 VDS decoder 2448 Video distributor	2409 VDS decoder 2448 Video distributor 2450 Switcher

7. MDS REPEATER / VIDEO AMPLIFIER

2339 MDS REPEATER

To regenerate the digital signal of the panels or decoders BUS that is transmitted by the twisted pair of the installation. DIN10 format. Requires:

- Length of the BUS > to 1.200m: One repeater every 1.200m.
- When there are more than 120 decoders.



ref.2339

4110 VIDEO AMPLIFIER

To regenerate the video signal when the length of the BUS is greater than 250m. One amplifier every 250m.

1345 FIBER OPTICS CONVERTER

Allows MDS signal transmissions (audio, video and data) by means of a fiber optic cable (monomode fiber with FC/PC connectors). Advantages: links up to 5 km, noise immunity and discharges isolation. Includes: transmitter (TX), receiver (RX) and two power supplies. It can be use in any communication point of an MDS system (See table).

	Transmitter (Tx)	Receiver (Rx)
Panel BUS	MDS Digital Panel	Central Unit
Decoder BUS	Central Unit MDS Direct or City Panel	Decoder (home, VDS interior block or chalet)
Central Net (FXL)	General Entrance Central Unit	Interior block Central Unit
CAC Access Control	Reader	CAC Central Unit

8. CABLES

All cables are supplied in 100 meter rolls. Orders must be multiples of 100.

5918 DECODER-PANEL-FXL CENTRAL UNIT BUS CABLE (1m)

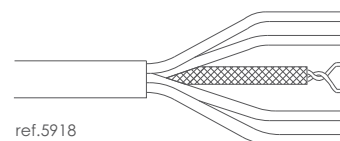
4 wires 1mm²+1 twisted pair shielded of 2 x 0,5 mm².

5919 VIDEO BUS CABLE (1m)

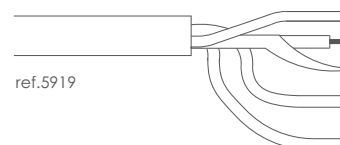
3 wires of 1mm²+1 coaxial of 75 Ohms.

5922 DECODER-TEL. CONNECTION CABLE (1m)

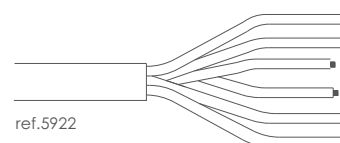
6 wires of 0,5mm².



ref.5918



ref.5919



ref.5922

9. MONITORS & TELEPHONES

All models include electric lock release pushbutton and call to guard unit by default. Always colour TFT screen included.

LOFT

3307 LOFT MONITOR

3315 LOFT CONNECTOR



3441 LOFT HANDSET W/INDUCTION LOOP



ref.3307

LOFT COMPACT (HANDS-FREE)

3737 LOFT COMPACT MONITOR

3738 LOFT COMPACT CONNECTOR

Flush-mounted option:

3759 FLUSH-MOUNTED CONNECTOR

3746 LOFT COMPACT FLUSH BOX

3744 DECORATIVE FRAME






ref.3737

LARGE INSTALLATION

MDS SYSTEM

iLOFT (HANDS-FREE)

5611	iLOFT MONITOR	
5630	iLOFT FLUSH BOX	108x158x45
5631	iLOFT DECORATIVE FRAME	189x256x6
5633	SILVER iLOFT COVER	
5634	BLACK iLOFT COVER	
5635	GOLD iLOFT COVER	



ref.5611



ref.5631

iLOFT TELEPHONE (HANDS-FREE)

5601	iLOFT TELEPHONE
------	-----------------



ref.5601

LOFT TELEPHONE

3393	BASIC LOFT TELEPHONE	
3394	EXTRA LOFT TELEPHONE	
3380	DECORATIVE FRAME	200x240
3441	LOFT HANDSET W/INDUCTION LOOP	



ref.3393



ref.3394



ref.3394+ref.3380

INTERCOMMUNICATION. PALACE BUS

Enables communication only between telephones in the same house. Maximum up to 12 terminals. 1 power supply (ref.4812) is required per home and a multiline switcher (ref.9017) to distinguish indoor/outdoor conversation. Max. distance: 100m.

8084	PALACE CITYMAX TELEPHONE
9017	MULTIWAY SWITCHER



Maximum: 100mts (ø1mm²)

FEATURES

- MDS/VDS combination is the system with the most complete functions and maximum wiring simplicity.
- It consist of a combination of:
 - MDS Digital System for General Entrances.
 - VDS Digital System for Interior Blocks.
- Its capacity is expandable:
 - From 1 to 9.999 units.
 - Up to 32 entrances or guard/managements.
 - Combined with single houses, medium or big blocks.
 - Possibility of several access control readers along the condominiums.

IN MEDIUM SIZE BLOCKS INSTALLATIONS

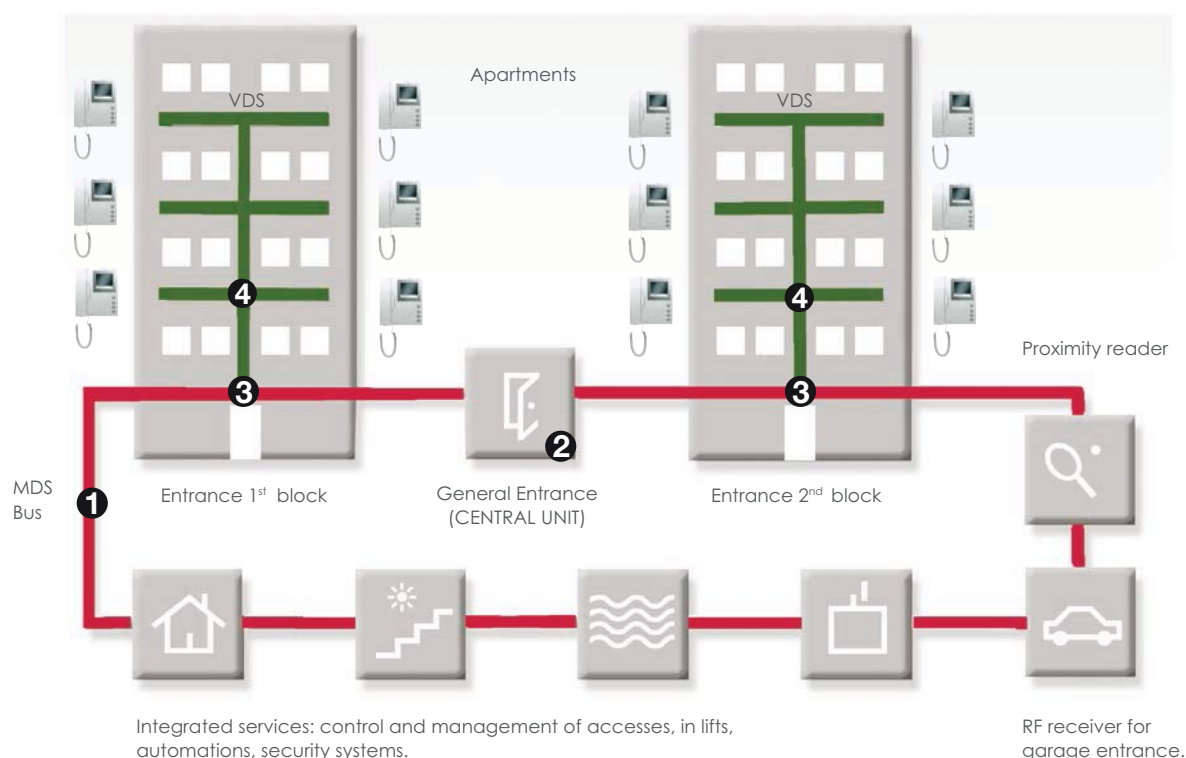
One MDS/VDS Decoder is required **3** per block.

VDS cable inside the building **4** : UTP CAT5, 5 WIRES or 3+COAX.

VDS telephones & monitors are required.

INSTALLATION

- System with simplified MDS BUS installation **1** connecting general entrances, interior blocks and access control readers.
 - MDS AUDIO BUS: 4 common wires + 1 common shielded twisted pair.
 - MDS VIDEO BUS: 6 common wires + 1 common shielded twisted pair + 1 video coax cable.
 - MDS Central Unit is required in general entrances. Capacity: 9.999 homes, 32 accesses/guards units. Central Unit **2** includes all the electronic elements for managing and controlling the system.
 - The MDS Sytem (MDS BUS) installed at general entrances can be combined with VDS System (UTP CAT 5, 5 WIRES or 3+COAX) in the blocks, thanks to a MDS/VDS decoder **3**.
- The MDS/VDS decoder (new version) allows VDS Monitors and Telephones to make additional functions as panic call to the guardian or control lift.



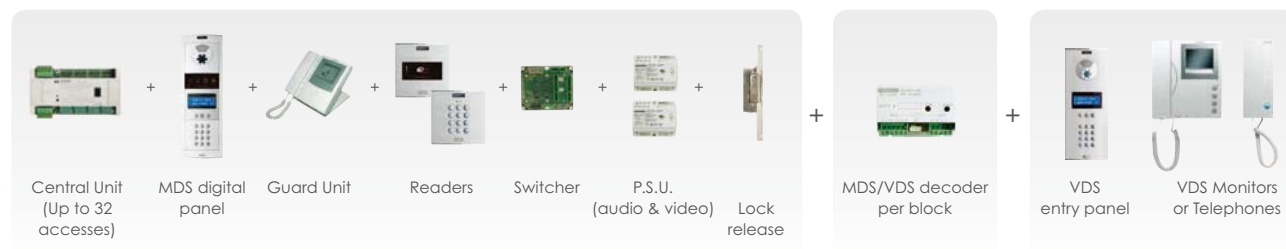
MDS/VDS SYSTEM

MDS/VDS Digital system with medium-size interior blocks basically consists of the following elements:

At MDS General entrance and common accesses

MDS/VDS decoder

At interior

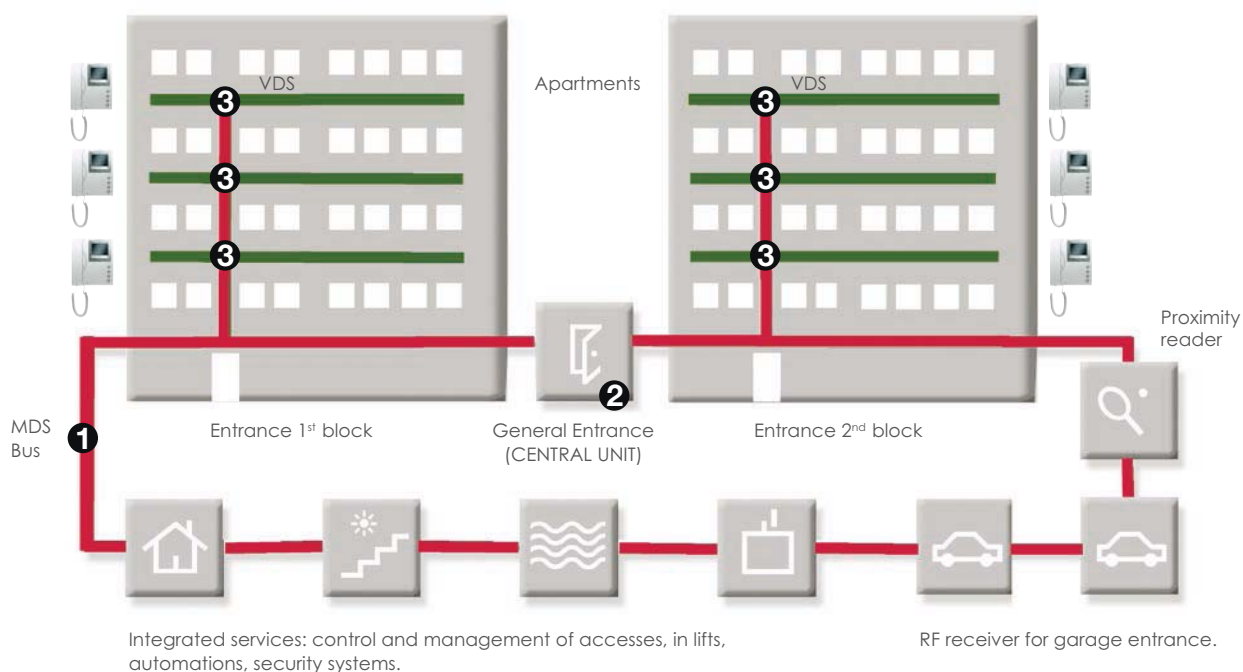


IN BIG SIZE BLOCKS INSTALLATIONS

In big interior blocks with several terminals in each floor or specific functionalities are demanded, a MDS/VDS Decoder **3** is required per floor.

MDS BUS in the riser and VDS cable in each floor **4**: UTP CAT5, 5 WIRES or 3+COAX.

VDS telephones & monitors are required.

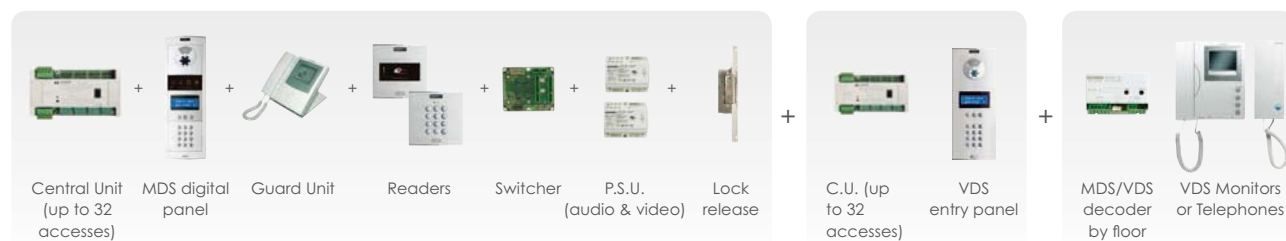


MDS/VDS Digital system with big-size interior blocks basically consist of the following elements:

At MDS General entrance and common accesses

Access to building

At interior per floor







ACCESS CONTROL

STAND-ALONE
CENTRALIZED

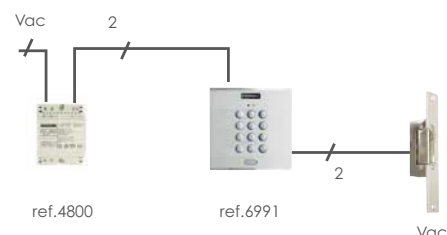
FERMAX

STAND-ALONE ACCESS CONTROL

Stand alone systems allow to control a door or access.
Recommended for offices, businesses, garages, etc.
SKYLINE readers can be integrated in audio or video door entry panels to enable access to the building for residents.

1. MEMOKEY (KEYPAD)

- Maximum capacity: 100 codes.
- Power supply 12Vac/12Vdc. Power supply 12Vac/1,5A (ref.4800) is recommended.
- Input for exit button on the inside.
- Input for free access button.
- 2 relay outputs (2A,NC/NA) (1 output in LOFT model) for activation of lock-release and connection of alarm.
- Programmable time.
- Each code can activate one or two relays at the same time.
- Acoustic confirmation of acceptance/rejection of the code.
- Programming from the keypad by means of a master code.



3610 CITY CLASSIC MEMOKEY READER

6991 CITYLINE MEMOKEY READER

Indoor/outdoor. Aluminium panel. Permanent backlight keypad made in zamak with signal LEDs. Flush-box included (ref.8948). Surface installation option (ref.7061).



ref.6991



ref.7438

Reader dimensions: (S1) 130x128
Flush box dimensions: (S1) 115x114x45

7438 SKYLINE MEMOKEY MODULE W

Accessory for SKYLINE panels.

4699 MARINE MEMOKEY READER

Outdoor. 2,5mm stainless steel panel with backlight keypad and signal LEDs. Flush-box ST1 included (ref.4641).



ref.4699



ref.4540

Marine Memokey dimensions: (ST1) 150x180
Loft Memokey dimensions: 60x130

4540 LOFT MEMOKEY

Indoor. Surface mounting. Membrane keypad.
Includes a 50cm cable.

ACCESS CONTROL

2. PROXIMITY (PRIVATE)

- Up to 400 users. Power supply 12 Vac/12 Vdc. Power supply 12Vac/1,5A (ref.4800) recommended.
 - Input for exit button.
 - Input for door sensor.
 - Relay output for activation of lock-release.
- Programmable time.
- Confirmation, by means of LED and sound, of acceptance or refusal of the card presented.
 - Programming-assistance LEDs (activation/deactivation cards).
 - Programming users by means of a master card or by PC.
- Free Winprox software at www.fermaxuk.com (downloads section).

6992 CITYLINE PROXIMITY READER

Indoor/Outdoor. Aluminium panel. Flush box included (ref.8948). Optional surface box (ref.7061).

7440 SKYLINE PROXIMITY MODULE V

Accessory for SKYLINE and CITYLINE panels.

5472 MARINE PROXIMITY READER

Outdoor. Stainless steel reader. Flush box included ST1 (ref.4641).

4530 LOFT PRIVATE READER

Indoor. Surface installation. Includes cable 50cm.

IDENTIFIERS

23361 PROXIMITY CARD W/O STRIP

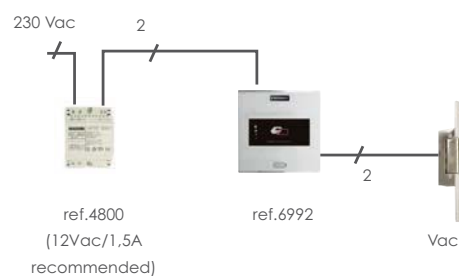
44501 PROXIMITY KEYRING

ACCESSORIES

2306 PRIVATE PROGRAMMING KEYPAD

3625 LOFT PC PROGRAMMING KIT

4475 ENERGY DISCONNECTOR



ref.6992



ref.7440

Reader dimensions: (S1) 130x128

Flush box dimensions: (S1) 115x114x45



ref.5472



ref.4530

Marine reader dimensions: (ST1) 150x180

Marine flush box dimensions: (S1) 130x160x55

Loft reader dimensions: 60x130



ref.23361
Customizable



ref.44501



ref.2306



ref.4475

3. FINGERPRINT WITH PROXIMITY

- Biometric recognition system based on fingerprint.
- Capacity: 4.500 users in 1 fingerprint mode or 2.970 in 2 fingerprints per user mode.
- Includes a built-in proximity reader for major security or for independent registrement of users. It is estimated that 1% of the population cannot register in biometric systems because their fingerprint rings do not have enough information. These people may use the proximity reader.
- Includes display and LEDs indicating the door opening, user's number, if the fingerprint reading is correct or not, configuration and authorizations-cancellations menu management.
- Includes a remote infrared keypad for programmation and CD with software.
- Power supply 12Vac/Vdc.

6959 CITYLINE FINGERPRINT READER

Outdoor/Indoor. Flush box included (ref.8948).
Optional surface box (ref.7061).

6996 CITYLINE KEYPAD/FINGERP. READER S5

Flush box included (ref.8855).

6989 SKYLINE FINGERPRINT READER W

5474 MARINE FINGERPRINT READER



ref.6959



ref.6989

Reader dimensions: (S1) 130x128
Flush box dimensions: (S1) 115x114x45



ref.6996



ref.5474

Cityline Reader dimensions: (S5) 130x246
Flush box dimensions: (S5) 130x233x55

Marine Reader dimensions: (ST1) 150x180
Flush box dimensions: (ST1) 130x160x55



IR remote control
(Included)

4. BLUETOOTH

Allows to activate the electric lock remotely by using a mobile telephone with bluetooth technology.

Power supply 12Vac/Vdc (ref.4800 recommended).

The system has 2 operating modes:

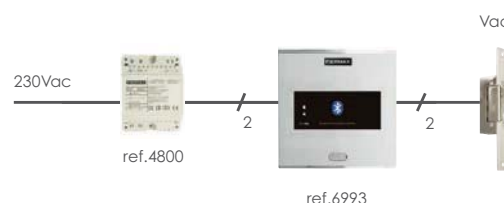
1. **Restricted to authorised telephones.** Maximum capacity: 40 telephones. Automatic opening when the authorised cell phone is within range of the receiver, or by means of a keypad confirmation or introducing a PIN.
2. **Access to any telephone.** Within range of the receiver, requesting the personal access code to open the door.

6993 CITYLINE BLUETOOTH READER

Outdoor/Indoor. Flush box included (ref.8948).
Optional surface box (ref.7061).

4479 MINI BLUETOOTH READER

Compact-sized module.



ref.6993

Reader dimensions: (S1) 130x128
Flush box dimensions: (S1) 115x114x45

ACCESS CONTROL

7441 SKYLINE BLUETOOTH MODULE V

Accessory for SKYLINE and CITYLINE panels.

5473 MARINE BLUETOOTH READER

Stainless steel. Flush box included (ref.7061).



ref.7441



ref.5473

Reader dimensions: (ST1) 150x180
Flush box dimensions: (ST1) 130x160x55

5. RADIO FREQUENCY (433Mhz)

SHOP SYSTEM

79561 TRINARY TRANSMITTER 433Mhz

Configuration by trinary dip-switch. A single code for all emitters.



ref.79561

SECURITY SYSTEM

The RF digital emitters have an exclusive code for each user. Recommended for garage access and remote control of devices: lights, blinds, sirens, etc.

7960 SECURITY RF RECEIVER

10 users maximum. Input for exit button. Relay output (2A, NC/NA). Programmable time. Mono-stable/bi-stable functioning. 12Vac/12Vdc. Compact-sized dimensions, so it can be hidden in distribution boxes. Dimensions: 90x60x20.



ref.7960



ref.24651

24651 DIGITAL RF REMOTE CONTROL

With 1 unique code by transmitter.

COLLECTIVE GARAGES SYSTEM

7952 SINGLE CHANNEL RECEIVER 433Mhz

Configuration by means of trinary dip-switch. Accepts a card for addition of a 2nd channel. Relay output (2 A, NC/NA). 230Vac power supply. ABS IP65 box. Dimensions: 91x198x57.

79561 TRINARY TRANSMITTER 433Mhz

Configuration by trinary dip-switch. A single code for all transmitters.



ref.7952



ref.79561

CENTRALISED ACCESS CONTROL

The Centralised Access Control System gives an answer to complex installations with several accesses and advanced managing and automation functions. A Central Unit and a highly intuitive Windows software are required to program the installation with the PC. The connection between the PC and the installation can be direct to the installation (RS-485) or remote (IP). The data can be updated and the installation monitored from different PCs (multi-station).



ref.4410

CENTRALISATION

The centralisation of the system contains: Central Unit, power supply, battery and the necessary module for communications with the PC. An emergency power supply is recommended. In installations with large distances, it will be necessary to install additional power supplies at the access in order to avoid voltage drops in the cabling.

4410 CENTRALISED AC CENTRAL UNIT

For advanced access control functions and home automation only. Each Central Unit allows:

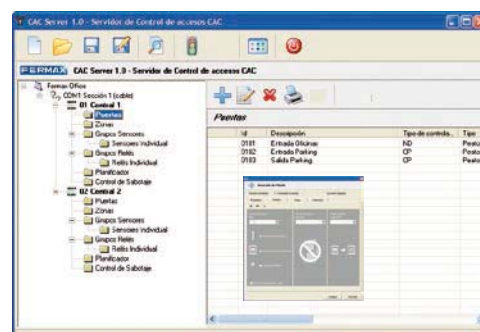
- 2.048 users.
- 32 doors. It can manage one reader to enter and another to exit.
- 64 groups of users (profiles).
- 4 special profiles without restrictions.
- 32 areas. Defines the doors to which access is permitted.
- 32 timetables. It is possible to define holidays.
- Recording of the last 3.000 incidents (entries, exits, accesses denied, alerts, etc.)
- Capable to manage 1.000 intercommunication panels/1.000 sensors/1.000 relays.

Includes 2 software PC for programming and system management:

- **Centralised AC Server.** To configure the hardware (central unit, readers, decoders, etc).
- **Centralised AC Access.** To manage the users and the restrictions.



AC Access software



AC Server software

ACCESS CONTROL

4813 POWER SUPPLY 12VDC/2A. DIN6

General power supply. 1 power supply for each 6 accesses is required.



ref.4813

2060 BATTERY ADAPTOR 12VDC

Installed between the power supply and the system. It has a connector to link with an external PB-Acid battery.

2070 BATTERY 12V/2,2A - ACID LEAD

2339 MDS REPEATER

Necessary for distances of over 1.200m between door controllers or decoders and the Central Unit. Format DIN10.

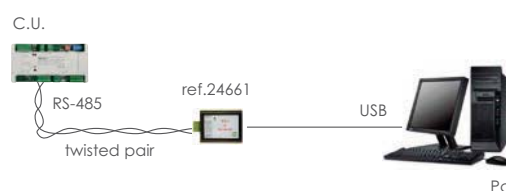


ref.2339

PC CONNECTION ACCESSORIES

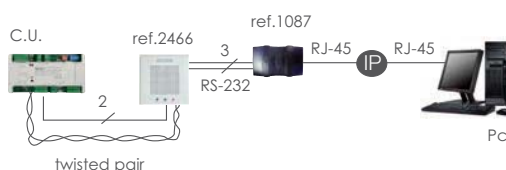
24661 ADAPTOR PC USB to RS-485

Enables Central Unit programming by PC in FXL network and connection by USB. Includes Driver.



1087 IP REMOTE MANAGEMENT MODULE

Is connected to the Central Unit by means of the adaptor ref.2466. Allows communication between the management computer and the installation using the computer network (Ethernet), avoiding additional cabling. Remote management via internet is possible if there are no protection devices (firewall) in the computer installation.



FIBER OPTIC ACCESSORIES

1345 FIBER OPTICS CONVERTER

Allows MDS signals transmissions (audio, video and data) by means a fiber optic cable (monomode fiber with FC/PC connectors). Advantages: links up to 5 km, noise immunity and discharges isolation. Includes: transmitter (TX), receiver (RX) and two power supplies. It can be used in any communication point of an MDS system.

READERS WITH INTEGRATED CONTROLLER

6992 CITY PROXIMITY READER

6994 CITY CENTRALISED AC KEYPAD

Flush box S1 (ref.8948) included.

Dimensions: 115x114x45.



ref.6992



ref.6994

7440 SKYLINE PROXIMITY READER V

7453 SKYLINE CENTRALISED AC KEYPAD W



ref.7440



ref.7453

5472 MARINE PROXIMITY READER

4696 MARINE CENTRALISED AC KEYPAD

Flush box ST1 (ref.4641) included.

Dimensions: 130x160x55.



ref.5472



ref.4696

1065 RF DIGITAL RECEIVER

24651 RF DIGITAL EMITTER



ref.1065



ref.24651

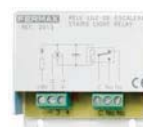
ACCESSORIES

These controllers require an external relay to activate a lock-release with consumption greater than 500mA or inverted functioning.

2013 RELAY 2A

2430 8-RELAYS DECODER

Secure activation of the lock-release from the inside. The 8 outputs are programmable from the software (DECOWIN).



ref.2013

2429 8-SENSORS DECODER

It handles 8 sensors: door contacts, presence, flooding... The 8 inputs are programmable from the software (DECOWIN).



ref.2430



ref.2429

ACCESS CONTROL

READERS WITHOUT INTEGRATED CONTROLLER (EXTERNAL)

Recommended for higher security applications, where the electronics are located in an independent controller (ref.4420). One per reader is required.

4420 DOOR CONTROLLER

Accepts Wiegand-26 bit or magstrip (Data/Clock) readers. Incorporates one relay to activate the lock release and another for auxiliary functions. Accepts a reader for entrance and another for exit, exit button, door sensor, free access button. Is installed in 100x100mm boxes.

6992 CITY PROXIMITY READER

6995 CITY PROXIMITY/KEYPAD READER

6993 CITY BLUETOOTH READER

6959 CITY FINGERPRINT READER

6996 CITY KEYPAD / FINGERPRINT READER

7440 SKYLINE PROXIMITY READER V

7441 SKYLINE BLUETOOTH READER V

6989 SKYLINE FINGERPRINT READER W

5472 MARINE PROXIMITY READER

5474 MARINE FINGERPRINT READER

5473 MARINE BLUETOOTH READER

4560 LOFT PROXIMITY READER

4550 LOFT PROXIMITY/KEYPAD READER

IDENTIFIERS

23361 PROXIMITY CARD WITH STRIP

44501 PROXIMITY KEYRING



ref.4420



ref.6992



ref.6995



ref.6993



ref.6959



ref.6996

Reader dimensions:
(S1) 130x128
Flush box dimensions:
(S1) 115x114x45 (ref.8948)

Reader dimensions:
(S5) 130x246
Flush box dimensions:
(S5) 115x233x45 (ref.8855)



ref.7440 / ref.7441



ref.6989



ref.5472



ref.5474



ref.4560/ref.4550
Surface

Marine reader dimensions:
Marine flush box dimensions:
Loft reader dimensions:

(ST1) 150x180
(S1) 130x160x55 (ref.4641)
60x130



ref.23361
Customizable



ref.44501




















The background of the page features a close-up, slightly blurred image of a blue pen with a textured grip, resting on a surface with technical drawings or architectural plans. The pen is positioned diagonally from the bottom left towards the center. The drawings show various lines and shapes, typical of engineering or architectural work.

TECHNICAL INFO

PROJECTS
DIAGRAMS

FERMAX













FERMAX VDS VIDEO (SKYLINE)

																
N° APART.	SERIES	FRAME	REF. FRAME	FLUSH BOX	JOIN. BOLTS	CABLE	COL. VIDEO	201	202	204	COMPL. V	COMPL. W	POWER SUPPLY	4 WAYS DISTRIB.	MONITOR	CONNECTOR
					ref. 8829	ref. 2541	ref. 7421	ref. 7376	ref. 7372	ref. 7371	ref. 7442	ref. 7443	ref. 4830	ref. 2449	ref. 3311 B/W ref. 3305 COL	ref. 3314
2	S4	3V	7333	8854			1	1					1		2	2
4	S4	3V	7333	8854			1		1				1	1	4	4
6	S5	4V	7334	8855			1	1	1				1	2	6	6
8	S5	4V	7334	8855			1			1			1	2	8	8
10	S6	5V	7335	8856			1	1		1			1	3	10	10
12	S6	5V	7335	8856			1		1	1			1	3	12	12
14	S7	6V	7336	8857			1	1	1	1			1	4	14	14
16	S7	6V	7336	8857			1			2			1	4	16	16
18	S8	7V	7337	8858			1	1		2			1	5	18	18
20	S8	7V	7337	8858			1		1	2			1	5	20	20
22	S9	8V	7338	8982			1	1	1	2			1	6	22	22
24	S9	8V	7338	8982			1			3			1	6	24	24
24	S5	4V	7334 ^{X2}	8855 ^{X2}	1	1	1			3			1	6	24	24
26	S6	5V	7335 ^{X2}	8856 ^{X2}	1	1	1	1	2	2	1		1	7	26	26
28	S6	5V	7335 ^{X2}	8856 ^{X2}	1	1	1		1	3	1		1	7	28	28
30	S6	5V	7335 ^{X2}	8856 ^{X2}	1	1	1	1	1	3			1	8	30	30
32	S6	5V	7335 ^{X2}	8856 ^{X2}	1	1	1		2	3			1	8	32	32
32	S7	6V	7336 ^{X2}	8857 ^{X2}	1	1	1			4		1	1	8	32	32
34	S7	6V	7336 ^{X2}	8857 ^{X2}	1	1	1	1		4	1		1	9	34	34
36	S7	6V	7336 ^{X2}	8857 ^{X2}	1	1	1		1	4	1		1	9	36	36
38	S7	6V	7336 ^{X2}	8857 ^{X2}	1	1	1	1	1	4			1	10	38	38
40	S7	6V	7336 ^{X2}	8857 ^{X2}	1	1	1			5			1	10	40	40
For 24-40 apartments a digital panel is recommended.																
41	S7	6V	7336				1		1		1		2	11	41	41
42	S7	6V	7336				1		1		1		2	11	42	42
43	S7	6V	7336				1		1		1		2	11	43	43
44	S7	6V	7336				1		1		1		2	11	44	44
45	S7	6V	7336				1		1		1		2	12	45	45
46	S7	6V	7336				1		1		1		2	12	46	46
47	S7	6V	7336				1		1		1		2	12	47	47
48	S7	6V	7336				1		1		1		2	12	48	48
49	S7	6V	7336				1		1		1		2	13	49	49
50	S7	6V	7336				1		1		1		2	13	50	50
60	S7	6V	7336				1		1		1		2	15	60	60
80	S7	6V	7336				1		1		1		2	20	80	80
100	S7	6V	7336				1		1		1		3	25	100	100



If an AC electric lock is used, an additional power supply (ref. 4800 12Vac/1,5A) or an AC electric lock commander (ref. 3264) are required. There are 2 distributor models, 2 and 4 ways, that can be combined in an installation. *See VDS system. X2 = Order 2 units of the indicated reference.

VDS AUDIO (SKYLINE)

														
N° APART.	SERIES		FRAME REF.	FLUSH BOX	JOINING BOLTS	CABLE	AMP.	201	202	204	W/PUS. V	W/PUS. W	P.S.U.	TELEPHONE
					ref. 8829	ref. 2541	ref. 7415	ref. 7376	ref. 7372	ref. 7371	ref. 7442	ref. 7443	ref. 4830	ref. 3390
2	S4	3V	7333	8854			1	1					1	2
4	S4	3V	7333	8854			1		1				1	4
6	S5	4V	7334	8855			1	1	1				1	6
8	S5	4V	7334	8855			1			1			1	8
10	S6	5V	7335	8856			1	1		1			1	10
12	S6	5V	7335	8856			1		1	1			1	12
14	S7	6V	7336	8857			1	1	1	1			1	14
16	S7	6V	7336	8857			1			2			1	16
18	S8	7V	7337	8858			1	1		2			1	18
20	S8	7V	7337	8858			1		1	2			1	20
22	S9	8V	7338	8982			1	1	1	2			1	22
24	S9	8V	7338	8982			1			3			1	24
24	S5	4V	7334 ^{x2}	8855 ^{x2}	1	1	1			3			1	24
26	S6	5V	7335 ^{x2}	8856 ^{x2}	1	1	1	1	2	2	1		1	26
28	S6	5V	7335 ^{x2}	8856 ^{x2}	1	1	1		1	3	1		1	28
30	S6	5V	7335 ^{x2}	8856 ^{x2}	1	1	1	1	1	3			1	30
32	S6	5V	7335 ^{x2}	8856 ^{x2}	1	1	1		2	3			1	32
32	S7	6V	7336 ^{x2}	8857 ^{x2}	1	1	1			4		1	1	32
34	S7	6V	7336 ^{x2}	8857 ^{x2}	1	1	1	1		4	1		1	34
36	S7	6V	7336 ^{x2}	8857 ^{x2}	1	1	1		1	4	1		1	36
38	S7	6V	7336 ^{x2}	8857 ^{x2}	1	1	1	1	1	4			1	38
40	S7	6V	7336 ^{x2}	8857 ^{x2}	1	1	1			5			1	40

If an AC electric lock is used, an additional power supply (ref.4800 12Vac/1,5A) or an AC electric lock commander (ref.3264) are required. X2 = Order 2 units of the indicated reference.

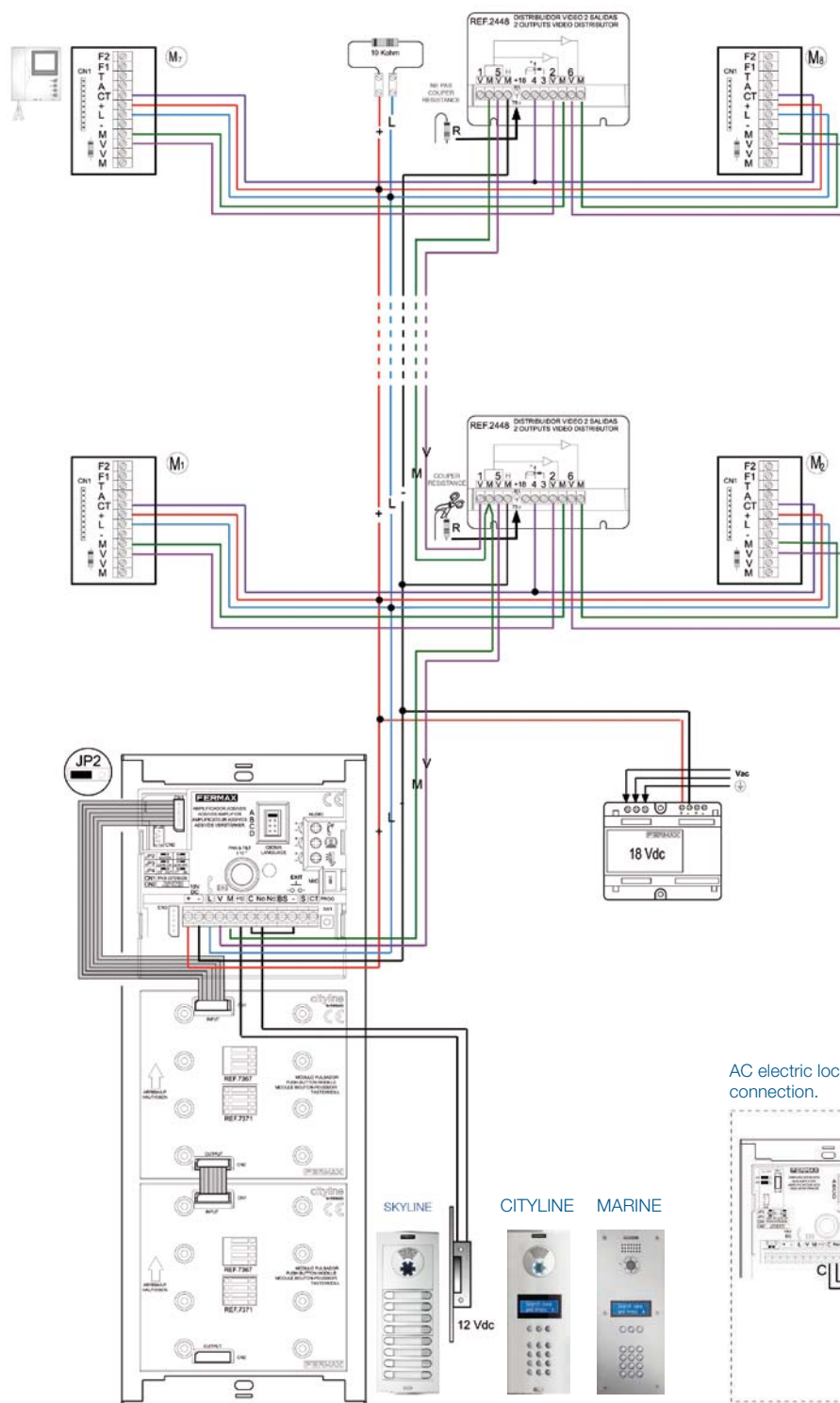
FERMAX DIAGRAMS: VDS VIDEO

1 ACCESS VDS VIDEO WITH SKYLINE/CITYLINE/MARINE PANEL. INSTALLATION: 5 WIRES/UTP CAT5

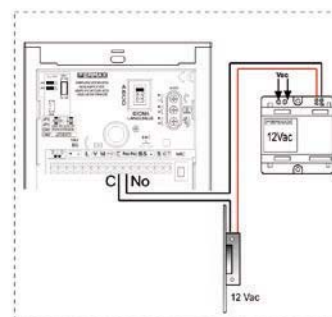
- (P₁) SKYLINE/CITYLINE or MARINE panel.
- (F₁) Lock release 12Vdc (ref.3070).
- (A₁) Power supply 18Vdc (ref.4830).
- (D₁) 2-ways video distributor (ref.2448).
- (M₁) (M₂) B/W Loft monitor (ref.3311) or Colour (ref.3305) + VDS connector (ref.3314).

		BUS 5 fils		
Metres	Feet	mm ²	AWG	
1 - 50	3 - 150	1 mm ²	17	UTP CAT5
50 - 100	150 - 300	1.5 mm ²	15	

NOTE: It's necessary to place a resistance of 10 KOhm between the "+" and "L" at the end of the points of the installation.



AC electric lock commander (ref.3264) connection.

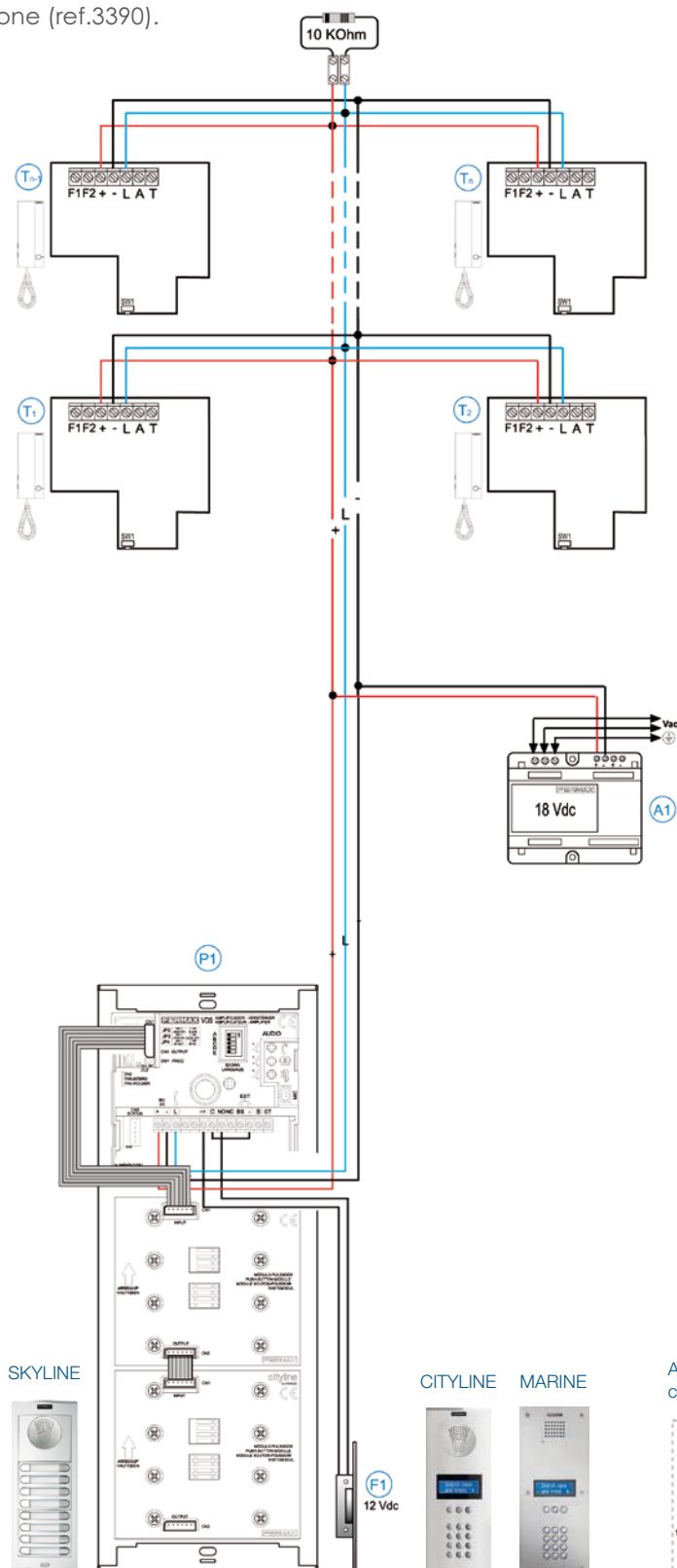


DIAGRAMS: VDS AUDIO

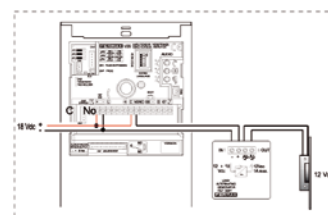
1 ACCESS VDS AUDIO WITH SKYLINE, CITYLINE OR MARINE PANEL.

- (P1) Skilyne, Cityline or Marine panel.
- (F) 12Vdc door lock (ref.3070).
- (A1) 18Vdc power supply (ref.4830).
- (T1) (T2) Loft Basic telephone (ref.3390).

NOTE: It's necessary to place a resistance of 10 KOhm between the "+" and "L" at the end of the points of the installation.

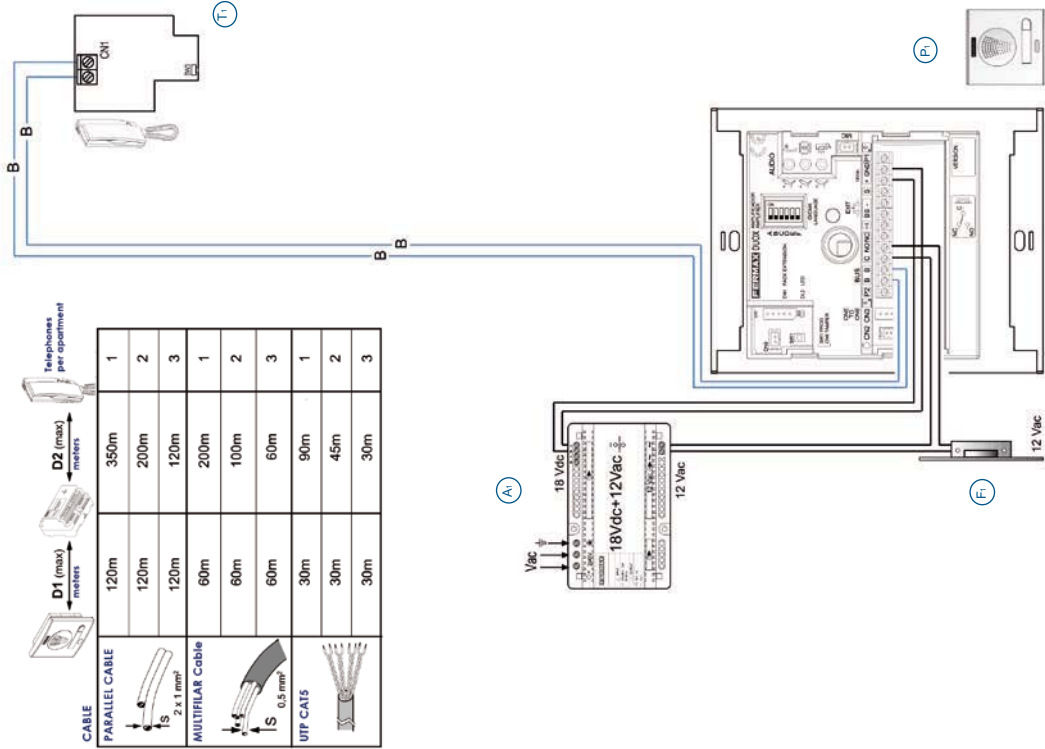


AC electric lock commander (ref.3264) connection.



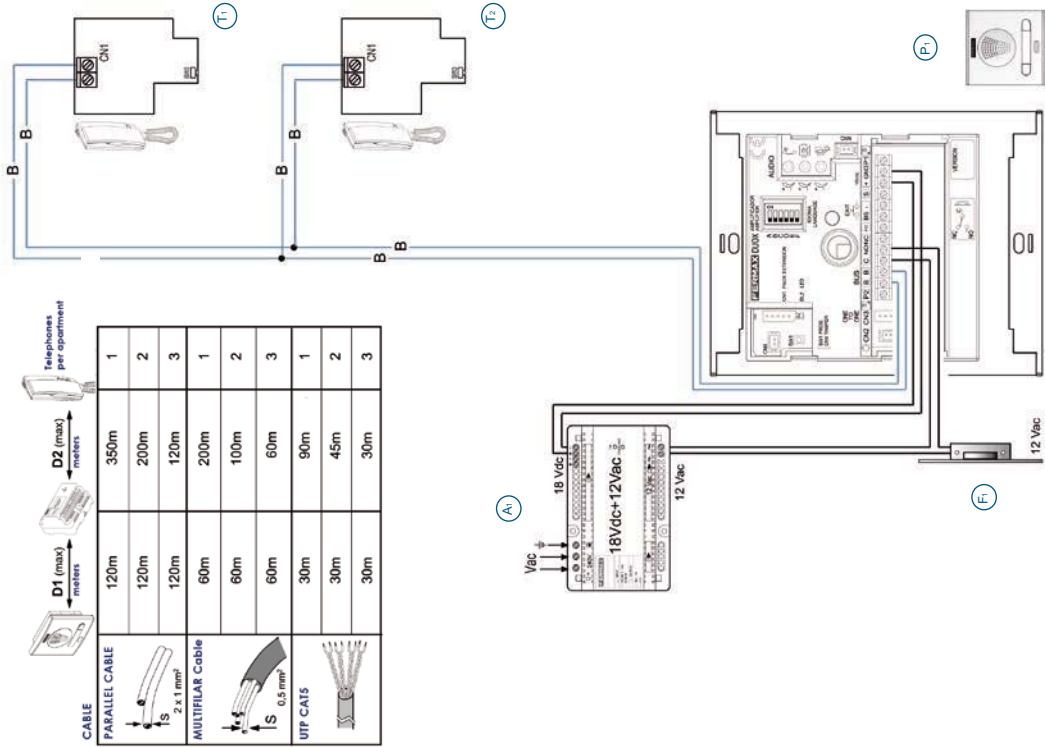
1/W AUDIO DUOX INSTALLATION

- P1 DUOX CITYLINE kit audio panel.
- F1 Electrical lock release. 12Vac (ref.3071).
- A1 Power supply. 18Vdc + 12Vac (ref.4810).
- T1 DUOX Citymax telephone (ref.3420).



2/W AUDIO DUOX INSTALLATION

- P1 DUOX CITYLINE kit audio panel.
- F1 Electrical lock release. 12Vac (ref.3071).
- A1 Power supply. 18Vdc + 12Vac (ref.4810).
- T1 DUOX Citymax telephone (ref.3420).
- T2 DUOX Citymax telephone (ref.3420).



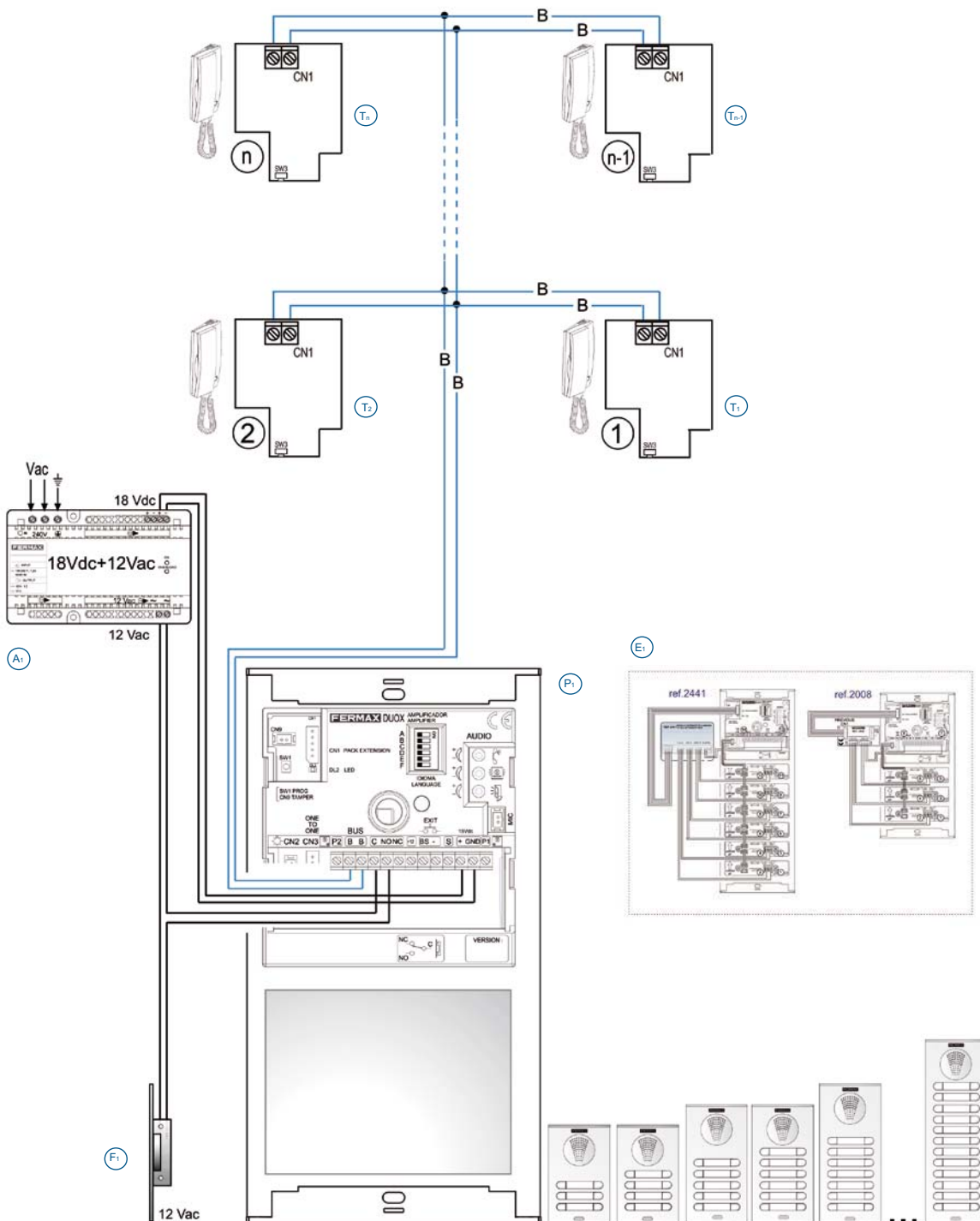
DIAGRAMS: DUOX AUDIO KITS

6-24 APARTMENTS DUOX AUDIO KIT INSTALLATION

- (P₁) DUOX CITYLINE audio kit panel.
- (F₁) Electrical lock release. 12Vac (ref.3071).
- (A₁) Power supply. 18Vdc +12Vac (ref.4810).
- (T₁)...(T_n) DUOX Citymax telephone (ref.3420).
- (E₁) Call extension module.

CABLE

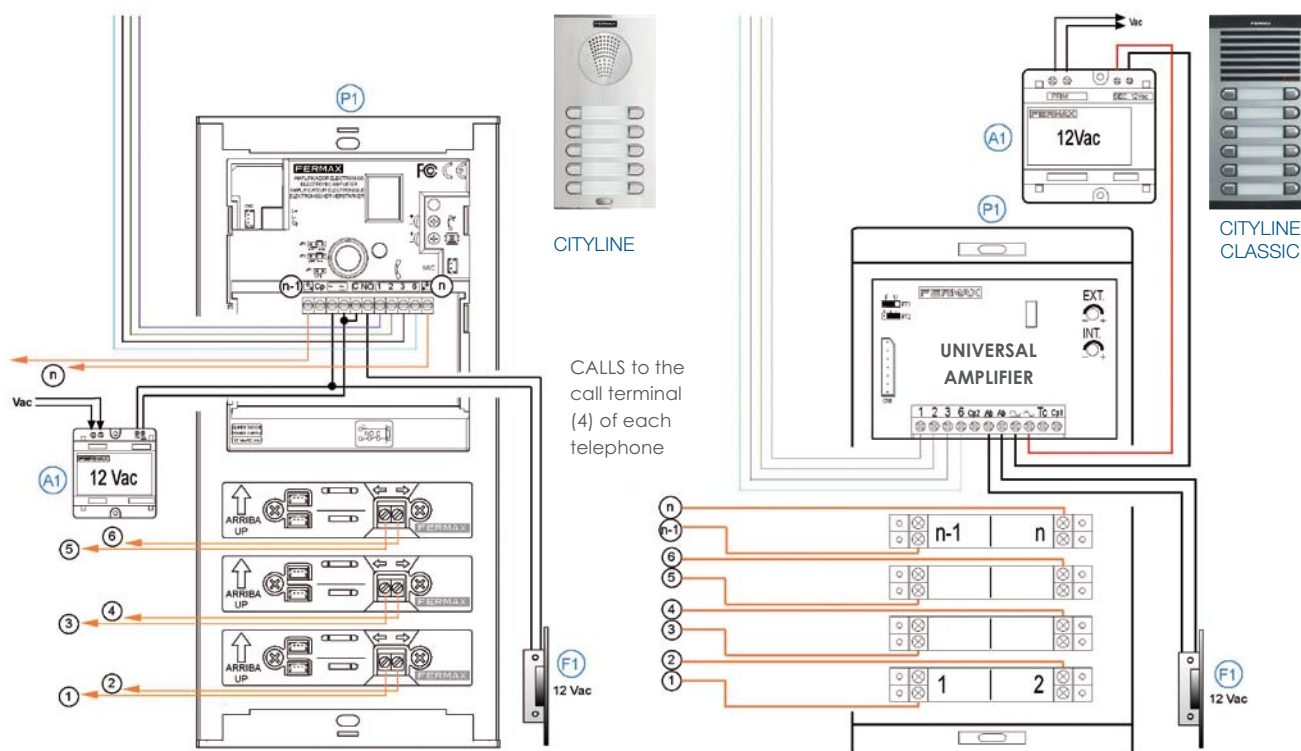
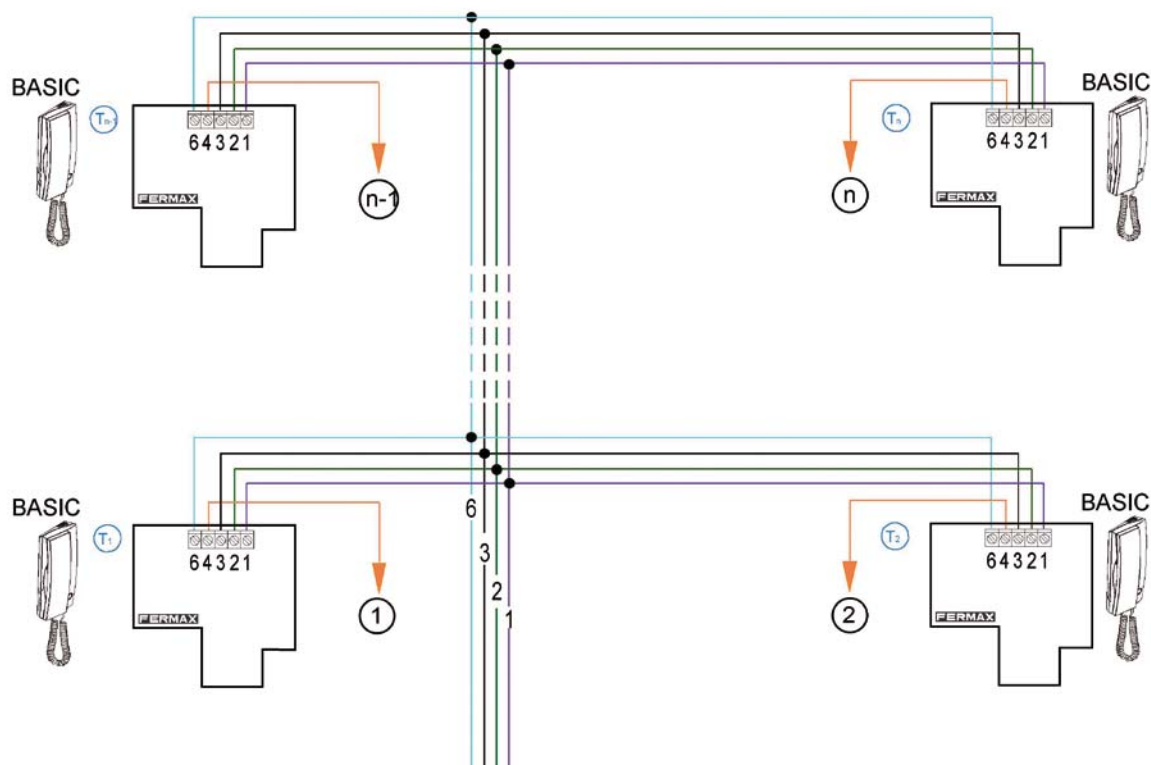
	D1 (max) meters	D2 (max) meters	Telephones per apartment
PARALLEL Cable 2 x 1 mm ²	120m	140m	1
MULTIFILAR Cable 0.5 mm ²	60m	70m	1
UTP CAT5	30m	35m	1



1 ACCESS 4+N AUDIO WITH CITYLINE/CITYLINE CLASSIC PANEL

- (P₁) CITYLINE/CITYLINE CLASSIC panel.
- (F₁) Door lock release 12Vac (ref.3071).
- (A₁) Power supply 12Vac (ref.4800).
- (T₁) (T_n) Loft telephone (ref.3393).

meter	model	mm ²	AWG	mm ²	AWG
0 - 100	3 - 300	0,5 mm ²	20	1 mm ²	17
100 - 300	300 - 900	1 mm ²	17	1 mm ²	17



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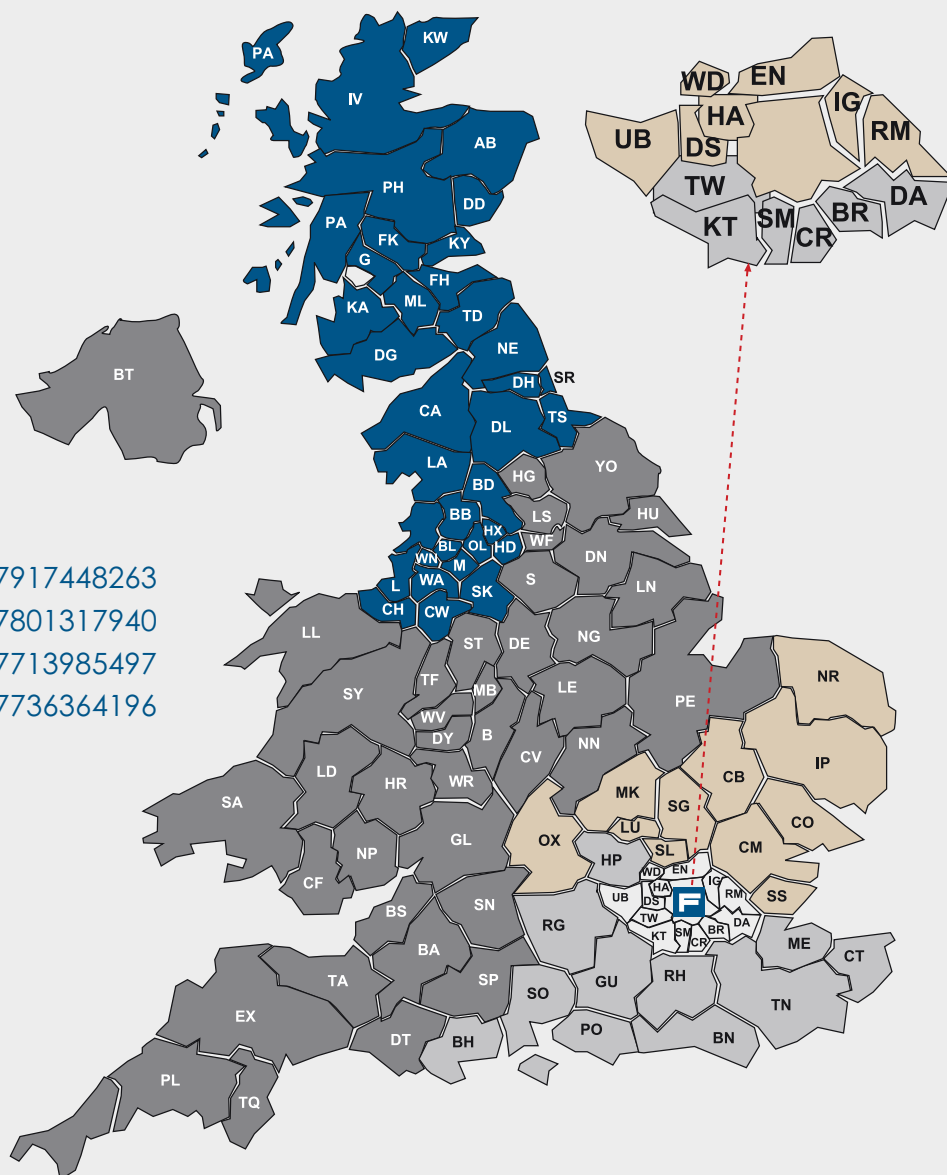
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No terms, conditions or reservations stipulated by the Buyer and no course of dealing shall annul, vary or add to any of these Conditions except in so far as expressly consented to by FERMAX UK in writing.

DELIVERY

1. In the absence of any agreement to the contrary, the place of delivery shall be that of the Buyers premises and the risk in the goods shall pass to the Buyer on receipt of delivery.
2. Orders below **£200** net will be subject to a carriage charge of **£10.50**.
3. FERMAX UK will, if the goods are damaged or lost in transit, at FERMAX UKs option, replace the damaged or lost goods free of charge or refund the cost, provided that notification is received from the Buyer within 7 days in the case of damage or loss.
4. Every endeavour will be made by the Company to adhere to the delivery dates quoted, but such dates are only estimated and are not guaranteed neither shall they be a term of condition between the Buyer and the Company.
5. The Buyer shall be responsible for arranging insurance on goods collected by their own carriers.
6. Delay in delivery shall by no means entitle the Buyer to cancel the order or thereby render FERMAX UK liable to the Buyer for any loss or expense arising from the delay unless otherwise agreed in writing.

OWNERSHIP OF GOODS

The goods shall remain the property of FERMAX UK until paid for in full by the Buyer.

CANCELLATION

Cancellation of any order or goods or any part of an order will not be valid after the Buyer has placed the order unless the cancellation is accepted by FERMAX UK in writing.

RETURNS

A detailed copy of our returns policy is available on request. In general; Material returns are not accepted, except for reasons directly attributable to FERMAX UK. Goods intended for return must obtain a returns number from FERMAX UK prior to their dispatch; the 'dispatcher'

shall ensure where reasonably practical, that the product(s) are complete and in their original packaging.

- FERMAX UK reserves the option to supply direct replacements for faulty goods returned within warranty.
- Credits may be raised at the discretion of FERMAX UK or where direct replacements are not available.
- Shortages are to be notified to us within **14 working days**.
- Refunds for incorrectly ordered products may incur a **handling charge up to 25%**.

PRODUCT WARRANTY

FERMAX guarantees its products against any manufacturing defects **for a period of 2 years** from the date of our original invoice. Products found to be defective due to incorrect handling or installation are excluded from warranty.

PAYMENT

1. Credit customers must settle accounts within 30 days nett of invoice date, unless otherwise specified by FERMAX UK.
2. There is a minimum charge of **£10** made on each occasion any cheque rendered for payment is refused and requires representation.
3. FERMAX UK may charge interest on overdue accounts at **Banco Sabadell S.A** base rate plus **3%** per annum from the due date for payment until the final date of payment.

CREDIT FACILITY LIMITATION

Where the situation arises that the value of an order exceeds the funding limit of an account, alternative methods of payment for the excess amount will be requested.

LIMITATION ON COMPANY'S LIABILITY

FERMAX UK will pass guarantees as extended by the manufacturer or manufacturers agent to the Buyer. FERMAX UK will not be responsible for any guarantee excess of these. Technical information or performance is supplied in good faith but the onus falls fully on the Buyer to determine that the equipment is usable for the application in question, and will work in conjunction with existing equipment.

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An outdoor museum

Seven contemporary artists that move between the street art and the classic mural painting have expressed the spirit of FERMAX through a graphic project that covers the main façade of the company's headquarters. Philosophy turned into images. Innovation and technology as a starting point. Connections that are organic. Cooperation, responsibility. Design and family business. Fermax.

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