FERMAX

VIVO

LYNX

DUOX

smile

GENERAL CATALOGUE

2014

FERMAX

BUILDING COMMUNICATIONS

FERMAX

A GREAT FAMILY BRAND

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

The company, founded by Mr. Fernando Maestre in 1949, is specialized in designing communication and access control systems, both digital and analogue, enjoying a prominent position among the world leading brands.

The company has developed and focused on the values that have made it a global sucess:

- Cutting-edge technology.
- Trend setting design.
- Highest quality sandards.
- Innovation.
- Customer focus.
- Family business values.
- Specialization values.

ALWAYS CLOSE TO OUR CUSTOMERS

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

Our products are also sold in another 70 countries.

Our customers are professionals with whom we establish long lasting bonds based on competitive pricing, excellent service, free unlimited technical assistance service and an exceptional product.

FERMAX UK Ltd, 17 YEARS

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 office based in Essex. FERMAX UK Ltd then took over the distribution of Fermax products, and in the following 16 years, has become one of the leading brands in the UK door entry market.

OUR BUSINESS CULTURE

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

ISO 14001 SGS   ISO 9001 SGS

Palm Jumeirah **DUBAI-UAE**

Eureka Tower **MELBOURNE-AUSTRALIA**

The Orion Building **BIRMINGHAM-UK**

Reflections **SINGAPORE**

The Cube **BIRMINGHAM-UK**

Millenium Tower **VIENNA-AUSTRIA**

Etihad Towers **ABU DHABI-EAU**

Capital Group **MOSCOW-RUSSIA**

Folkart Towers **TURKEY**

Chelsea Bridge **LONDON-UK**

King Abdullah Financial D. **ARABIA SAUDI**

One 57 **NEW YORK-USA**

Poly Int. Plaza **CHANGSHA-CHINA**

Meridian Quay **SWANSEA-WALES**

FERMAX

NOVELTIES

SMILE
DUOX
LYNX

smiLe

CALLING FOR A NEW GENERATION

Smile is the new hands-free video door entry experience.
**Compact, extra slim with a unique design. An advanced monitor with
high-performance features and easy of use,** thanks to its user friendly interface
which incorporates the latest technologies.

7" version

A new 10w profile monitor concept that can be surface or flush mounted.

DELTA
AWARDS
2013
Selection

iF product design award 2014

FERMAX

Technology has never been so easy.

- Colour TFT screen available in 7" or 3,5".

- Its **OSD menu** allows the user to scroll through the screen using **intuitive graphic icons.**

- Its **4 capacitive pushbuttons** enable communication with the outdoor panel and give direct access to pre-programmed functions.

- A keypad with 4 function buttons that remain invisible until the user enables them allowing access to direct functions.

- VDS technology.
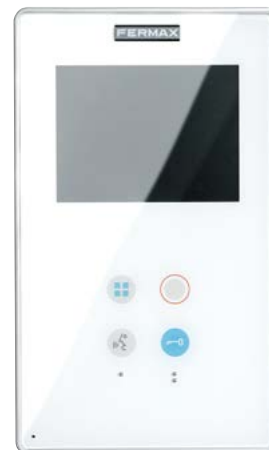
3,5" version

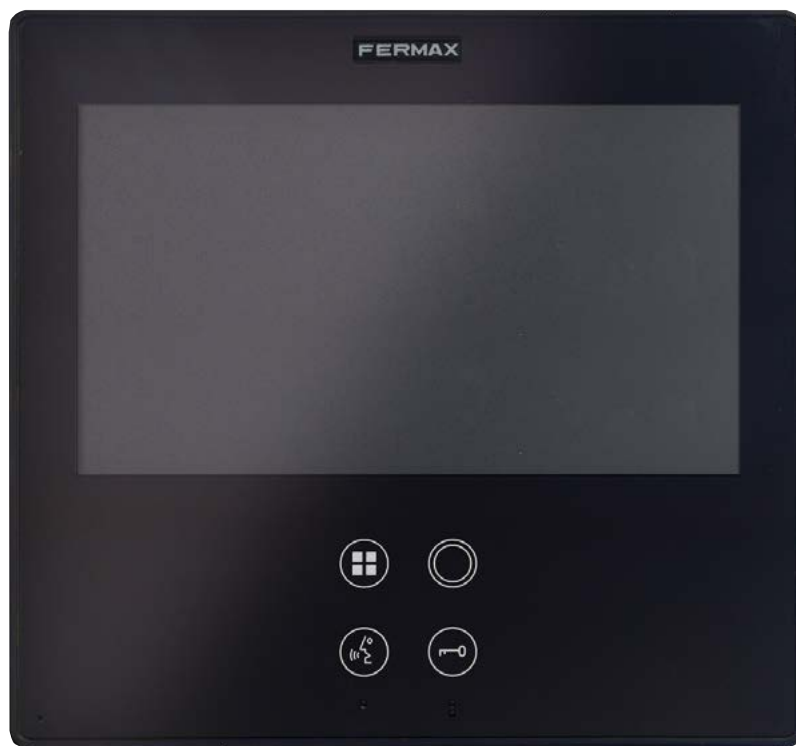|				
Video functions	Lift control	Panic call	Customizable	CCTV camera

Smile is a creation of Ramón Benedito, FERMAX Worldwide Design Partner since 1975.

smile

NOW IN COLOURS

For homes with a personal style, **the 7" TFT sreen Smile monitor is designed in different colors: WHITE, BLACK and GREY** to create a unique environment.

7" BLACK

7" TOTAL WHITE

7" SILVER

FERMAX

FRAMES

The range is completed with the **7" decorative frames** for the flush-mounted versions in WHITE, BLACK and SILVER.

3,5" AVAILABLE AS WELL IN WHITE

Because there are still who prefer the essence of the details, we present you the Smile monitor with a **3,5" TFT screen with white profile and monochromatic pushbuttons.**

A monitor with reduced dimensions which harbours in its inside Smile latest technology

3,5" TOTAL WHITE

DUOX

CHANGES EVERYTHING

DUOX is the first FERMAX **completely digital system** in two non-polarised wires audio technology. It's the most advanced technological system which allows a quick installation with only two wires.

A technological revolution in FERMAX, **DUOX changes everything.**
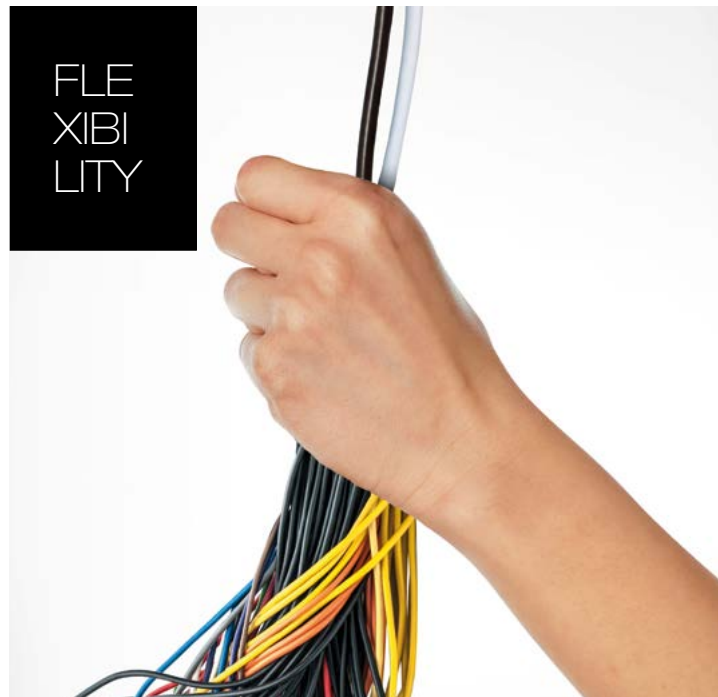
FLE
XIBI
LITY

And this is how DUOX achieves its particular transformation:

Increases the capacities of any project.

Simplifies the installation and programming works.

Allows the use of any cable.

Makes future modifications and extensions of the installation easier.

FERMAX

SIM
PLICI
TY

LYNX

PERFECTLY INTEGRATED TECHNOLOGY

LYNX is the most advanced technological system from FERMAX, based on a complete **TCP/IP** system, which allows the user to **manage the communication, security and comfort** of the most prestigious residential developments all over the world. LYNX sets new standards for processing power and performance for video door entry system equipments allowing:

A virtually unlimited number of monitors.

Unlimited distances from end to end of an installation.

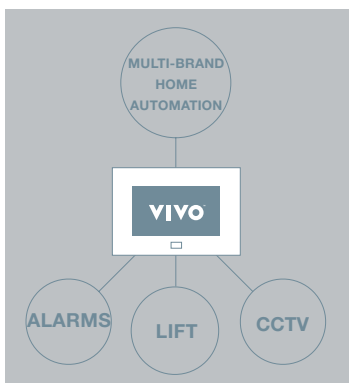Multichannel for conversations and data flows, with unlimited capacity.

VIVO

For LYNX, FERMAX has created **VIVO**, the video door entry monitor with capacitive touch screen which becomes **the most technological interface for the modern apartment.**

FERMAX

LYNX, a property Management Unit to secure residents' comfort and well being.

VIVO is a tribute to cutting edge technology with the style.

MULTI-BRAND
HOME
AUTOMATION

VIVO

ALARMS   LIFT   CCTV

- Do not disturb activated -- Missed call -

S.O.S.

VIVO+LYNX, perfect synergy.

FERMAX General Headquarters façade in Valencia, Spain

FERMAX

KITS

VIDEO
AUDIO

FERMAX

VIDEO KITS
SINGLE AND FAMILY HOUSES

STAR KITS

VDS

NEW

5071 1/W VDS 7" SMILE KIT

48505. 1/W COLOUR VDS CITY panel and S1
kit flush box (ref.8948).
Panel S1: 130x128 / Kit flush box: 115x114x45.
6550. VDS COLOUR 7" SMILE monitor.
6548. SMILE connector.
4810. Power supply 18Vdc/1,5A-12Vac/1,5A. DIN10.

5072 2/W VDS 7" SMILE KIT

The same as kit ref.5071 but with 2/W video panel
(ref.48515) and two 7" SMILE monitors (ref.6550).

VDS

NEW

5061 1/W VDS 3,5" SMILE KIT

48505. 1/W COLOUR VDS CITY panel and S1
kit flush box (ref.8948).
Panel S1: 130x128 / Kit flush box: 115x114x45.
6545. VDS COLOUR 3,5" SMILE monitor.
6548. SMILE connector.
4810. Power supply 18Vdc/1,5A-12Vac/1,5A. DIN10.

5062 2/W VDS 3,5" SMILE KIT

The same as kit ref.5061 but with 2/W video panel
(ref.48515) and two 3,5" SMILE monitors (ref.6545).

VDS

4961 1/W VDS COLOUR CITY VIDEO KIT

48505. 1/W COLOUR VDS CITY panel 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.

4955 1/W VDS COL. MEMORY VIDEO KIT

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

LYNX

NEW

1635 1/W LYNX VIVO KIT

1625. 1/W COLOUR LYNX CITY panel.
Panel S1: 130x128.
8948. Kit flush box: 115x114x45.
1620. VIVO monitor.
1605. VIVO connector.
1617. Switch (4 PoE + 4).
4813. Power supply 12Vdc/2A. DIN6.

Note: Requires lock release of direct current.
For example: ref.29588 or ref.30708.

VDS

49627 2/W VDS COLOUR CITY VIDEO KIT

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

EXTENSIONS:
COLOUR VDS VIDEO KITS with 1/W or 2/W Cityline
panel can be extended with a 2nd audio access
(ref.48455 1/W or 48465 2/W) or 2nd video access
(ref.48505 1/W + ref.2450 or ref.48515 2/W + ref.2450).

VIDEO KITS
SINGLE AND FAMILY HOUSES

LUXE

VDS

4950   1/W VDS iLOFT VIDEO KIT

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.

4954   1/W VDS iLOFT SURF. VIDEO KIT

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

WITH ONE-TO-ONE

VDS

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

VDS

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.   VDS COLOUR LOFT monitor.
3314.   VDS connector.
4810.   Power supply 18Vdc/1,5A-12Vac/1,5A. DIN 10.

WITH KEYPAD

VDS

### 4984   1/W VDS COLOUR MEMOVISION KIT

4902.   1/W COLOUR VDS MEMOVISION panel.
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.

STAINLESS STEEL

VDS

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.

Vac   2   4

Vac   2

5 WIRES/ UTP CAT5/ 3+COAX
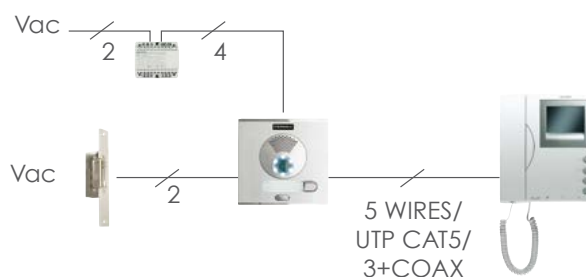
EXTENSIONS:

COLOUR VDS VIDEO KITS can be extended with a 2nd monitor or 2 telephones without extra power supply.

FERMAX

AUDIO KITS
SINGLE AND FAMILY HOUSES

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.

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.

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.
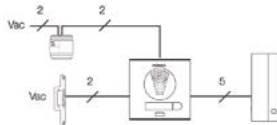
4862 2/W 4+N CITY AUDIO KIT

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.
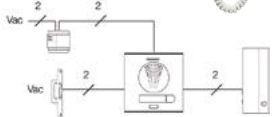4810. Power supply. 18Vdc/1,5A-12Vac/1,5A. DIN10

Extensions
2 DUOX LOFT telephones (ref.3420).

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.

4921 2/W DUOX CITY AUDIO KIT

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

CLASSIC KITS

4+N

6201 1/W 4+N CITYMAX AUDIO KIT
8300. 1/W CITY CLASSIC panel and flush box.
Panel S1: 130x128
Kit flush box S1: 115x114x45.
80447. CITYMAX BASIC telephone.
4800. Power supply. 12Vac/1,5A-DIN4.

6202 2/W 4+N CITYMAX AUDIO KIT
The same as in ref.6201 but with 2/W panel (ref.8301) and 2 telephones.

MINI KITS

4+N

1502 1/W 4+N MINI SURFACE KIT
1519. 1/W surface MINI panel.
Panel: 100x166x26,50
Kit flush box S1: 115x114x45.
80447. CITYMAX BASIC telephone.
4800. Power supply. 12Vac/1,5A-DIN4.

1503 2/W 4+N MINI SURFACE KIT
The same as ref.1502 but with 2 CITYMAX telephones and 2/W surface MINI panel (ref.1520).

AUDIO KITS

SINGLE AND FAMILY HOUSES

LUXE. 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.
4800.   Power supply 12Vac/1,5A. DIN 4.

4879   2/W VDS iLOFT AUDIOKIT

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.

WITH ONE-TO-ONE

VDS

FERMAX
**one
TO
One**
IT'S SIMPLE

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.
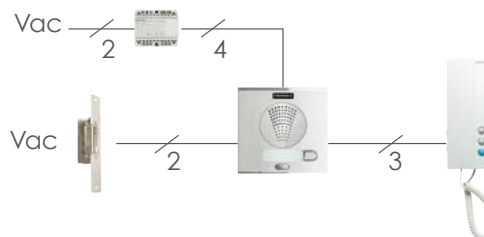4810.   Power supply 18Vdc/1,5A-12Vac/1,5A. DIN 10.

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.

Vac — 2 — 4

Vac — 2 — 3

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

FERMAX **AUDIO** KITS
BUILDINGS

DUOX BUILDING KITS UP TO 24 APARTMENTS

INSTALLATION: 2 NON POLARIZED WIRES

DIGITAL AUDIO

DUOX-CITY audio kits 1 to 24 apartments incorporate FERMAX latest digital technology. DUOX is the new digital system representing an innovative and technological leap in the intercom market. It only requires two non polarized wires for power supply, audio and data transmission. With DUOX we improve our technology whilst retaining the maximum quality of the product and design, making the installation of door entry systems even easier.
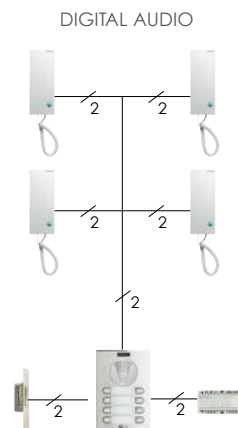
KIT EXTENSIONS AND ACCESSORIES:
• Apartment: up to 3 telephones (ref.3420).
• Recommended door lock: 450N-S (ref.3071).

Basic installation

NEW **4920** **1/W DUOX CITY AUDIO KIT**

X1

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.

NEW **4921** **2/W DUOX CITY AUDIO KIT**

X2

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.

NEW **4303** **3/W DUOX CITY AUDIO KIT**

X3

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.

NEW **4304** **4/W DUOX CITY AUDIO KIT**

X4

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.

NEW **4306** **6/W DUOX CITY AUDIO KIT**

X6

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.

NEW **4308** **8/W DUOX CITY AUDIO KIT**

X8

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.

AUDIO KITS
BUILDINGS

4310   10/W DUOX CITY AUDIO KIT

X10

- 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.

4312   12/W DUOX CITY AUDIO KIT

X12

- 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.

4314   14/W DUOX CITY AUDIO KIT

X14

- 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.

4315   16/W DUOX CITY AUDIO KIT

X16

- 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.

4316   18/W DUOX CITY AUDIO KIT

X18

- 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).

4317   20/W DUOX CITY AUDIO KIT

X20

- 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).

4318   22/W DUOX CITY AUDIO KIT

X22

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

4319   24/W DUOX CITY AUDIO KIT

X24

- 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).

FERMAX **AUDIO** KITS
BUILDINGS

CITYMAX KITS UP TO 24 APARTMENTS

INSTALLATION: 4+N (1 WIRE PER APARTMENT).

KIT EXTENSION AND ACCESSORIES:

• 2nd Access: Required panel and flush box + audio switcher (ref.8811) + voltage distributor.

• At apartment: Up to 3 telephones (ref.80447) without additional power supply.

• Recommended door lock: 450N-S (ref.3071).

ANALOGUE 4+1

6201   1/W CITYMAX AUDIO KIT

8300.   1/W CITY CLASSIC panel and flush box (Flush box included ref.4948). Panel S1: 130x128. Kit flush box S1: 115x114x45.
80447.   CITYMAX BASIC telephone.
4800.   Power supply 12Vac/1,5A. DIN4.

X1

ANALOGUE 4+2

6202   2/W CITYMAX AUDIO KIT

8301.   2/W CITY CLASSIC panel and flush box (Flush box included ref.4948). Panel S1: 130x128. Kit flush box S1: 115x114x45.
80447.   CITYMAX BASIC telephone (2 units).
4800.   Power supply 12Vac/1,5A. DIN4.

X2

ANALOGUE 4+3

6203   3/W CITYMAX AUDIO KIT

8302.   3/W CITY CLASSIC panel and flush box (Flush box included ref.8949). Panel S4: 130x199. Kit flush box S4: 115x185x45.
80447.   CITYMAX BASIC telephone (3 units).
4800.   Power supply 12Vac/1,5A. DIN4.

X3

ANALOGUE 4+4

6204   4/W CITYMAX AUDIO KIT

8303.   4/W CITY CLASSIC panel and flush box (Flush box included ref.8949). Panel S4: 130x199. Kit flush box S4: 115x185x45.
80447.   CITYMAX BASIC telephone (4 units).
4800.   Power supply 12Vac/1,5A. DIN4.

X4

ANALOGUE 4+6

6206   6/W CITYMAX AUDIO KIT

8304.   6/W CITY CLASSIC panel and flush box (Flush box included ref.8949). Panel S4: 130x199. Kit flush box S4: 115x185x45.
80447.   CITYMAX BASIC telephone (6 units).
4800.   Power supply 12Vac/1,5A. DIN4.

X6

ANALOGUE 4+8

6208   8/W CITYMAX AUDIO KIT

8305.   8/W CITY CLASSIC panel and flush box (Flush box included ref.8949). Panel S4: 130x199. Kit flush box S4: 115x185x45.
80447.   CITYMAX BASIC telephone (8 units).
4800.   Power supply 12Vac/1,5A. DIN4.

X8

ANALOGUE 4+10

6210   10/W CITYMAX AUDIO KIT

8320.   10/W CITY CLASSIC panel and flush box (Flush box included ref.8948). Panel S5: 130x246. Kit flush box S5: 115x246x45.
80447.   CITYMAX BASIC telephone (10 units).
4800.   Power supply 12Vac/1,5A. DIN4.

X10

ANALOGUE 4+12

6212   12/W CITYMAX AUDIO KIT

8321.   12/W CITY CLASSIC panel and flush box (Flush box included ref.8855). Panel S5: 130x246. Kit flush box S5: 115x246x45.
80447.   CITYMAX BASIC telephone (12 units).
4800.   Power supply 12Vac/1,5A. DIN4.

X12

AUDIO KITS

ANALOGUE 4+14

6214 14/W CITYMAX AUDIO KIT

X14

8660.   14/W CITY CLASSIC panel.
Panel S6: 130x294.
8856.   Flush box S6.
Flush box S6: 115x280x45.
80447. CITYMAX BASIC telephone (14 units).
4800.   Power supply 12Vac/1,5A. DIN4.

ANALOGUE 4+16

6216 16/W CITYMAX AUDIO KIT

X16

8661.   16/W CITY CLASSIC panel.
Panel S6: 130x294.
8856.   Flush box S6.
Flush box S6: 115x280x45.
80447. CITYMAX BASIC telephone (16 units).
4800.   Power supply 12Vac/1,5A. DIN4.

ANALOGUE 4+18

6218 18/W CITYMAX AUDIO KIT

X18

8700.   18/W CITY CLASSIC panel.
Panel S7: 130x341.
8857.   Flush box S7.
Flush box S7: 115x328x45.
80447. CITYMAX BASIC telephone (18 units).
4800.   Power supply 12Vac/1,5A. DIN4.

ANALOGUE 4+20

6220 20/W CITYMAX AUDIO KIT

X20

8701.   20/W CITY CLASSIC panel.
Panel S7: 130x341.
8857.   Flush box S7.
Flush box S7: 115x328x45.
80447. CITYMAX BASIC telephone (20 units).
4800.   Power supply 12Vac/1,5A. DIN4.

ANALOGUE 4+22

6222 22/W CITYMAX AUDIO KIT

X22

8740.   22/W CITY CLASSIC panel.
Panel S8: 130x389.
8858.   Flush box S8.
Flush box S8: 115x375x45.
80447. CITYMAX BASIC telephone (22 units).
4800.   Power supply 12Vac/1,5A. DIN4.

ANALOGUE 4+24

6224 24/W CITYMAX AUDIO KIT

X24

8741.   24/W CITY CLASSIC panel.
Panel S8: 130x389.
8858.   Flush box S8.
Flush box S8: 115x375x45.
80447. CITYMAX BASIC telephone (24 units).
4800.   Power supply 12Vac/1,5A. DIN4.

FERMAX

PANELS

SKYLINE
MARINE

FERMAX SKYLINE PANEL

SKYLINE
INFINITE POSSIBILITIES

The language from FERMAX.

SKYLINE is the only system able to respond to all market needs. Integrating **VIDEO DOOR ENTRY, ACCESS CONTROL AND INFORMATION DISPLAYS** in the same unit. Providing TOTAL CREATIVE FREEDOM through its versatility and modular design.

FERMAX guarantees the immediate supply of SKYLINE products with exception of stock breaks.

COMBINES

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

ENHANCES

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

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 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 panel necessary for any installation.

VIDEO AND AUDIO MODULES

Video W

Audio W

Frame 1V

Frame 2V

Frame 3V

Frame 4V

SKYLINE FRAMES

Frame 5V

Frame 6V

Frame 7V

Frame 8V

DOUBLE PUSHBUTTONS

8 Push. 204 W

4 Push. 202 V

2 Push. 201 V

SINGLE PUSHBUTTONS

4 Push. 104 W

2 Push. 102 V

1 Push. 101 V

DIGITAL PUSHBUTTONS

Direct/Digital keypad W

Display W

Lynx Display W

MDS Digitiser V

INFORMATION MODULES

Cardholder W

Cardholder V

OneToOne V

ACCESSORIES

Metallic complement W

Metallic complement V

ACCESS CONTROL

Keypad W

Proximity V

Bluetooth V

	1W=2V
	1V
	1V
	1W=2V
6V	TOTAL: 6V

	1W=2V
	1W=2V
	1W=2V
6V	TOTAL: 6V

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 pushes in 48 hours.

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

1

2

Module assembly sequence

SKYLINE PANEL

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 programmation.

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 ±10º.

Pushbutton with waterlight contacts. IP 66.

Able to resist 100.000 pushes in 48 hours.

Laterally folding hinges.

FERMAX SKYLINE PANEL

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

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 on the panel configuration:

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

| 2541 | DUOX/VDS CONNECTION CABLE (6W) |
| 2540 | 4+N CONNECTION CABLE (3W) |

| 2542 | DUOX/VDS CONNECTION CABLE (5W) |
| 2543 | MDS CONNECTION CABLE (7W) |

ref.7341
1V

ref.7332
2V

ref.7333
3V

ref.7334
4V

ref.7335
5V

ref.7336
6V

ref.7337
7V

ref.7338
8V

ref.8829

ref.2541/ 2540

DUOX/VDS

SKYLINE PANEL

ACCESSORIES

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

SURFACE BOX. To facilitate the need when a hole in the wall isn't suitable 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.

Flush box   Surface box   Hood   Angular complement

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.

Included in modular decorative frame

	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: ref.9200 Double panel modular frame kit (H:341) or ref.9201 Triple panel modular frame kit (H:471)

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

2. MODULES

COLOUR VIDEO & AUDIO AMPLIFIER

7421	VDS VIDEO MODULE W
7406	ANALOGUE VIDEO MODULE W
1622	LYNX VIDEO MODULE W

COLOUR VIDEO MODULE W

7390	DUOX AUDIO MODULE W
7415	VDS AUDIO MODULE W
7400	ANALOGUE AUDIO MODULE W

AUDIO MODULE W

PUSHBUTTONS MODULES

DOUBLE PUSHBUTTONS

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

8 PUSH. 204 W   4 PUSH. 104 W

SINGLE PUSHBUTTONS

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

4 PUSH. 202 V   2 PUSH. 102 V

2 PUSH. 201 V   1 PUSH. 101 V

BRAILLE LABEL

| 6945 | BRAILLE SINGLE PUSHB. LABEL Nº1-76 |
| 6946 | BRAILLE DOUBLE PUSHB. LABEL Nº1-76 |

SKYLINE PANEL

DIGITAL MODULES

The DISPLAY MODULE allows a search through the list of residents and their allocated door codes (telephone book type). It indicates the communication status. The keys ◁▷ enable users to browse through the menu. Press 🔔 to call the apartment after keying the door number on the keypad.

7449	DUOX/VDS DIGITAL DISPLAY W
7451	MDS DIGITAL DISPLAY W
1623	LYNX DISPLAY W

ref.7449/7451

ref.1623

The KEYPAD MODULE enables users 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	DUOX/VDS/MDS DIGITAL KEYPAD W
7439	DUOX/VDS/MDS DIRECT KEYPAD W
7457	LYNX DIRECT KEYPAD W

ref.7447

7460	MDS DIGITISER V

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

ref.7439

INFORMATIVE MODULES AND ACCESSORIES

7448	ONE-TO-ONE MODULE V

Is a device that displays door entry operation using illuminated pictograms: calling, in call, door open or busy channel. Facilitates use for people with hearing impairments.

ref.7448

7445	CARDHOLDER W
7444	CARDHOLDER V

Informative cardholder with back lighting to personalise 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

FERMAX **SKYLINE** PANEL

ACCESS CONTROL MODULES

For more information, see "Access control" section.

7438	MEMOKEY W

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

7453	AC KEYPAD W

For centralized systems with MDS Central Unit (ref.2405) or Centralised Access Control (ref.4410).

7457	AC SKYLINE DIRECT KEYPAD W

For access control combinations: keypad with proximity.

ref.7438

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

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 access control Central Unit).

ref.7440

23361	PROXIMITY CARD W/O MAGNETIC STRIP

2336	PROXIMITY CARD WITH MAGNETIC STRIP

44501	PROXIMITY KEYRING

ref.23361   ref.44501

7441	BLUETOOTH READER V

Allows activation of the electric lock remotely by means of a mobile phone with built-in bluetooth wireless connection technology.
Can store up to 40 authorised telephones in stand-alone mode. The door opens automatically when detected, by key confirmation or entering a PIN code as a security mechanism. Bluetooth must be activated in order to receive opening and administration commands as well as being able to send the corresponding configuration commands.

ref.7441

SKYLINE PANEL
VDS VIDEO COMBINATIONS

PUSHBUTTON PANELS

2 PUSHBUTTONS
7333	Frame 3V S4
7421	Audio-Video VDS
7376	2P 201V
8854	Flush box S4

4 PUSHBUTTONS
7333	Frame 3V S4
7421	Audio-Video VDS
7372	4P 202V
8854	Flush box S4

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

26 PUSHBUTTONS
7335	Frame 5V S6 (2u.)
7421	Audio-Video VDS
7371	8P 204W (2u.)
7372	4P 202V (2u.)
7376	2P 201V
7442	Metallic module V
8856	Flush box S6 (2u.)
8829	Joining bolts
2541	Connection cable

28 PUSHBUTTONS
7335	Frame 5V S6 (2u.)
7421	Audio-Video VDS
7371	8P 204W (3u.)
7372	4P 202V
7442	Metallic module V
8856	Flush box S6 (2u.)
8829	Joining bolts
2541	Connection cable

30 PUSHBUTTONS
7335	Frame 5V S6 (2u.)
7421	Audio-Video VDS
7371	8P 204W (3u.)
7372	4P 202V
7376	2P 201V
8856	Flush box S6 (2u.)
8829	Joining bolts
2541	Connection cable

DIGITAL PANELS

DIGITAL
7336	Frame 6V S7
7421	Audio-Video VDS
7449	Digital Display VDS
7447	Digital keypad VDS
8857	Flush box S7

DIGITAL WITH PROXIMITY
7337	Frame 7V S8
7421	Audio-Video VDS
7449	Digital Display VDS
7447	Digital keypad VDS
7440	Proximity reader
8858	Flush box S8

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.)

DIGITAL DIRECTORY
7336	Frame 6V S7 (3u.)
7421	Audio-Video VDS
7449	Display Digital VDS
7447	Digital keypad VDS
7444	Cardholder V (12u.)
8857	Flush box S7 (3u.)
8829	Joining bolts (2u.)
2541	Connection cable (2u.)

SKYLINER
BE CREATIVE

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

FERMAX MARINE PANEL

Marine is a range of vandal-proof door-entry panels made of 2.5 mm-thick stainless steel. Straight lines that highlight the quality of the steel. Cutting-edge technology and resistance to even the most harshest of 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 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: 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 ±10° in any direction. Incorporates a 3.6 mm. wide angle lens.

Marine video panel
with keypad and
1 pushbutton

HOW TO SELECT A PANEL

• Select the panel required according to the number of apartments in the building. Also, select the panel with keypad, proximity reader or paxton cut out, if required.

• The flush or surface box must be ordered separately according to the n° of pushbuttons.

• The amplifier* may be DUOX, VDS, or ANALOGUE (4+N). The references indicated include digital VDS amplifier and colour camera in case of video panel. To order the panel with a different amplifier/camera, please check the following combinations table.

	MARINE CODES
SL	Stainless steel
V	Amplifier with colour camera
24	Number of pushbuttons
3	VDS technology

Other CODES
N	Keypad
X	Proximity reader
P	Paxton cut out

ref.SLV243

The SLV243 Marine panel is a video door entry panel with VDS amplifier, colour camera and 24 pushbuttons.

AMPLIFIER-CAMERA COMBINATIONS:

REFERENCES	VDS*	DUOX*	4+N
AUDIO	Standard reference	Replace the last digit 3 (VDS) by digit **4** (DUOX).	Replace the last digit 3 (VDS) by digit **1** (4+N).
COLOUR VIDEO	Standard reference	Not available at the moment.	

*A call extension module is required: ref.2008 - 8 calls module or ref.2441 - 16 calls module.

• Colour camera as standard in video panels.

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

MARINE PANEL

1. STANDARD PUSHBUTTON PANELS

PUSHBUTTON PANELS

AMPLIFIER-CAMERA COMBINATIONS:

REFERENCES	VDS*	DUOX*	4+N
AUDIO	Standard reference	Replace the last digit 3 (VDS) by digit **4** (DUOX).	Replace the last digit 3 (VDS) by digit **1** (4+N).
COLOUR VIDEO	Standard reference	Not available at the moment.	

*A call extension module is required: ref.2008 - 8 calls module or ref.2441 - 16 calls module.

ref.SLA163
Audio 16 push.

ref.SLV13
Video 1 push.

ref.SLV243
Video 24 push.

AUDIO DOOR ENTRY PANEL

1 PUSH.	2 PUSH.	3 PUSH.	4 PUSH.	5 PUSH.	6 PUSH.	7 PUSH.	8 PUSH.	9 PUSH.	10 PUSH.	11 PUSH.	12 PUSH.
SLA13 (240x140)	SLA23 (240x140)	SLA33 (240x140)	SLA43 (240x140)	SLA53 (240x140)	SLA63 (240x140)	SLA73 (240x140)	SLA83 (240x140)	SLA93 (300x140)	SLA103 (300x140)	SLA113 (300x140)	SLA123 (300x140)
13 PUSH.	**14 PUSH.**	**15 PUSH.**	**16 PUSH.**	**17 PUSH.**	**18 PUSH.**	**19 PUSH.**	**20 PUSH.**	**21 PUSH.**	**22 PUSH.**	**23 PUSH.**	**24 PUSH.**
SLA133 (300x140)	SLA143 (300x140)	SLA153 (300x140)	SLA163 (300x140)	SLA173 (380x140)	SLA183 (380x140)	SLA193 (380x140)	SLA203 (380x140)	SLA213 (380x140)	SLA223 (380x140)	SLA233 (380x140)	SLA243 (380x140)

VIDEO DOOR ENTRY PANEL

1 PUSH.	2 PUSH.	3 PUSH.	4 PUSH.	5 PUSH.	6 PUSH.	7 PUSH.	8 PUSH.	9 PUSH.	10 PUSH.	11 PUSH.	12 PUSH.
SLV13 (240x140)	SLV23 (240x140)	SLV33 (240x140)	SLV43 (240x140)	SLV53 (240x140)	SLV63 (240x140)	SLV73 (240x140)	SLV83 (240x140)	SLV93 (300x140)	SLV103 (300x140)	SLV113 (300x140)	SLV123 (300x140)
13 PUSH.	**14 PUSH.**	**15 PUSH.**	**16 PUSH.**	**17 PUSH.**	**18 PUSH.**	**19 PUSH.**	**20 PUSH.**	**21 PUSH.**	**22 PUSH.**	**23 PUSH.**	**24 PUSH.**
SLV133 (300x140)	SLV143 (300x140)	SLV153 (300x140)	SLV163 (300x140)	SLV173 (380x140)	SLV183 (380x140)	SLV193 (380x140)	SLV203 (380x140)	SLV213 (380x140)	SLV223 (380x140)	SLV233 (380x140)	SLV243 (380x140)

ACCESSORIES

	1-8 PUSH.	9-16 PUSH.	17-24 PUSH.
FLUSH BOX	ref.AAF (220x120x55)	ref.ABF (280x120x55)	ref.ACF (360x120x55)

	1-8 PUSH.	9-16 PUSH.	17-24 PUSH.
SURFACE BOX	ref.AAS (240x140x80/60)	ref.ABS (300x140x80/60)	ref.ACS (380x140x80/60)

PUSHBUTTONS PANELS WITH KEYPAD

AMPLIFIER-CAMERA COMBINATIONS:

REFERENCES	VDS*	DUOX*	4+N
AUDIO	Standard reference	Replace the last digit 3 (VDS) by digit **4** (DUOX).	Replace the last digit 3 (VDS) by digit **1** (4+N).
COLOUR VIDEO	Standard reference	Not available at the moment.	

*A call extension module is required: ref.2008 - 8 calls module or ref.2441 - 16 calls module.

ref.SLA6N3
Audio with keypad and 6 push.

ref.SLV1N3
Video with keypad and 1 push.

AUDIO DOOR ENTRY PANEL

1 PUSH.	2 PUSH.	3 PUSH.	4 PUSH.	5 PUSH.	6 PUSH.	7 PUSH.	8 PUSH.	9 PUSH.	10 PUSH.	11 PUSH.	12 PUSH.
SLA1N3 (300x140)	SLA2N3 (300x140)	SLA3N3 (300x140)	SLA4N3 (300x140)	SLA5N3 (300x140)	SLA6N3 (300x140)	SLA7N3 (300x140)	SLA8N3 (380x140)	SLA9N3 (380x140)	SLA10N3 (380x140)	SLA11N3 (380x140)	SLA12N3 (380x140)
13 PUSH.	**14 PUSH.**	**15 PUSH.**	**16 PUSH.**	**17 PUSH.**	**18 PUSH.**	**19 PUSH.**	**20 PUSH.**	**21 PUSH.**	**22 PUSH.**	**23 PUSH.**	**24 PUSH.**
SLA13N3 (460x170)	SLA14N3 (460x170)	SLA15N3 (460x170)	SLA16N3 (460x170)	SLA17N3 (460x170)	SLA18N3 (460x170)	SLA19N3 (460x170)	SLA20N3 (460x170)	SLA21N3 (460x170)	SLA22N3 (460x170)	SLA23N3 (460x170)	SLA24N3 (460x170)

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

FERMAX MARINE PANEL

VIDEO DOOR ENTRY PANEL

1 PUSH.	2 PUSH.	3 PUSH.	4 PUSH.	5 PUSH.	6 PUSH.	7 PUSH.	8 PUSH.	9 PUSH.	10 PUSH.	11 PUSH.	12 PUSH.
SLV1N3 (300x140)	SLV2N3 (300x140)	SLV3N3 (300x140)	SLV4N3 (300x140)	SLV5N3 (300x140)	SLV6N3 (300x140)	SLV7N3 (300x140)	SLV8N3 (300x140)	SLV9N3 (300x140)	SLV10N3 (300x140)	SLV11N3 (300x140)	SLV12N3 (300x140)
13 PUSH.	**14 PUSH.**	**15 PUSH.**	**16 PUSH.**	**17 PUSH.**	**18 PUSH.**	**19 PUSH.**	**20 PUSH.**	**21 PUSH.**	**22 PUSH.**	**23 PUSH.**	**24 PUSH.**
SLV13N3 (460x170)	SLV14N3 (460x170)	SLV15N3 (460x170)	SLV16N3 (460x170)	SLV17N3 (460x170)	SLV18N3 (460x170)	SLV19N3 (460x170)	SLV20N3 (460x170)	SLV21N3 (460x170)	SLV22N3 (460x170)	SLV23N3 (460x170)	SLV24N3 (460x170)

ACCESSORIES

	1-4 PUSH.	5-12 PUSH.	13-20 PUSH.	21-24 PUSH.
FLUSH BOX	ref.ABF (280x120x55)	ref.ACF (360x120x55)	ref.ADF (440x120x55)	ref.AEF (500x150x55)

	1-4 PUSH.	5-12 PUSH.	13-20 PUSH.	21-24 PUSH.
SURF. BOX	ref.ABS (300x140x80/60)	ref.ACS (380x140x80/60)	ref.ADS (480x140x80/60)	ref.AES (520x170x80/60)

PUSHBUTTONS PANELS WITH PROXIMITY READER

AMPLIFIER-CAMERA COMBINATIONS:

REFERENCES	VDS*	DUOX*	4+N
AUDIO	Standard reference	Replace the last digit 3 (VDS) by digit **4** (DUOX).	Replace the last digit 3 (VDS) by digit **1** (4+N).
COLOUR VIDEO	Standard reference	Not available at the moment.	

*A call extension module is required: ref.2008 - 8 calls module or ref.2441 - 16 calls module.

ref.SLA6X3

Audio with proximity reader and 6 push.

ref.SLV1X3

Video with proximity reader and 1 push.

AUDIO DOOR ENTRY PANEL

1 PUSH.	2 PUSH.	3 PUSH.	4 PUSH.	5 PUSH.	6 PUSH.	7 PUSH.	8 PUSH.	9 PUSH.	10 PUSH.	11 PUSH.	12 PUSH.
SLA1X3 (300x140)	SLA2X3 (300x140)	SLA3X3 (300x140)	SLA4X3 (300x140)	SLA5X3 (300x140)	SLA6X3 (300x140)	SLA7X3 (300x140)	SLA8X3 (300x140)	SLA9X3 (380x140)	SLA10X3 (380x140)	SLA11X3 (380x140)	SLA12X3 (380x140)
13 PUSH.	**14 PUSH.**	**15 PUSH.**	**16 PUSH.**	**17 PUSH.**	**18 PUSH.**	**19 PUSH.**	**20 PUSH.**	**21 PUSH.**	**22 PUSH.**	**23 PUSH.**	**24 PUSH.**
SLA13X3 (380x140)	SLA14X3 (380x140)	SLA15X3 (380x140)	SLA16X3 (380x140)	SLA17X3 (460x170)	SLA18X3 (460x170)	SLA19X3 (460x170)	SLA20X3 (460x170)	SLA21X3 (460x170)	SLA22X3 (460x170)	SLA23X3 (460x170)	SLA24X3 (460x170)

VIDEO DOOR ENTRY PANEL

1 PUSH.	2 PUSH.	3 PUSH.	4 PUSH.	5 PUSH.	6 PUSH.	7 PUSH.	8 PUSH.	9 PUSH.	10 PUSH.	11 PUSH.	12 PUSH.
SLV1X3 (300x140)	SLV2X3 (300x140)	SLV3X3 (300x140)	SLV4X3 (300x140)	SLV5X3 (300x140)	SLV6X3 (300x140)	SLV7X3 (300x140)	SLV8X3 (300x140)	SLV9X3 (380x140)	SLV10X3 (380x140)	SLV11X3 (380x140)	SLV12X3 (380x140)
13 PUSH.	**14 PUSH.**	**15 PUSH.**	**16 PUSH.**	**17 PUSH.**	**18 PUSH.**	**19 PUSH.**	**20 PUSH.**	**21 PUSH.**	**22 PUSH.**	**23 PUSH.**	**24 PUSH.**
SLV13X3 (380x140)	SLV14X3 (380x140)	SLV15X3 (380x140)	SLV16X3 (380x140)	SLV17X3 (460x170)	SLV18X3 (460x170)	SLV19X3 (460x170)	SLV20X3 (460x170)	SLV21X3 (460x170)	SLV22X3 (460x170)	SLV23X3 (460x170)	SLV24X3 (460x170)

ACCESSORIES

	1-8 PUSH.	9-16 PUSH.	17-24 PUSH.
FLUSH BOX	ref.ABF (280x120x55)	ref.ACF (360x120x55)	ref.ADF (440x150x55)

	1-8 PUSH.	7-16 PUSH.	17-24 PUSH.
SURFACE BOX	ref.ABS (240x140x80/60)	ref.ACS (380x140x80/60)	ref.ADS (480x170x80/60)

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

MARINE PANEL

PUSHBUTTON PANELS WITH PAXTON CUT OUT

AMPLIFIER-CAMERA COMBINATIONS:

REFERENCES	VDS*	DUOX*	4+N
AUDIO	Standard reference	Replace the last digit 3 (VDS) by digit **4** (DUOX).	Replace the last digit 3 (VDS) by digit **1** (4+N).
COLOUR VIDEO	Standard reference	Not available at the moment.	

*A call extension module is required: ref.2008 - 8 calls module or ref.2441 - 16 calls module.

ref.SLA1P3
Audio with paxton cut out and 1 push.

ref.SLA15P3
Audio with paxton cut out and 15 push.

ref.SLV6P3
Video with paxton cut out and 6 push.

AUDIO DOOR ENTRY PANEL

1 PUSH.	2 PUSH.	3 PUSH.	4 PUSH.	5 PUSH.	6 PUSH.	7 PUSH.	8 PUSH.	9 PUSH.	10 PUSH.	11 PUSH.	12 PUSH.
SLA1P3 (300X140)	SLA2P3 (300X140)	SLA3P3 (300X140)	SLA4P3 (300X140)	SLA5P3 (380X140)	SLA6P3 (380X140)	SLA7P3 (380X140)	SLA8P3 (380X140)	SLA9P3 (380X140)	SLA10P3 (380X140)	SLA11P3 (380X140)	SLA12P3 (380X140)
13 PUSH.	**14 PUSH.**	**15 PUSH.**	**16 PUSH.**	**17 PUSH.**	**18 PUSH.**	**19 PUSH.**	**20 PUSH.**	**21 PUSH.**	**22 PUSH.**	**23 PUSH.**	**24 PUSH.**
SLA13P3 (460X170)	SLA14P3 (460X170)	SLA15P3 (460X170)	SLA16P3 (460X170)	SLA17P3 (460X170)	SLA18P3 (460X170)	SLA19P3 (460X170)	SLA20P3 (460X170)	SLA21P3 (520x170)	SLA22P3 (520x170)	SLA23P3 (520x170)	SLA24P3 (520x170)

VIDEO DOOR ENTRY PANEL

1 PUSH.	2 PUSH.	3 PUSH.	4 PUSH.	5 PUSH.	6 PUSH.	7 PUSH.	8 PUSH.	9 PUSH.	10 PUSH.	11 PUSH.	12 PUSH.
SLV1P3 (300x140)	SLV2P3 (300x140)	SLV3P3 (300x140)	SLV4P3 (300x140)	SLV5P3 (380X140)	SLV6P3 (380X140)	SLV7P3 (380X140)	SLV8P3 (380X140)	SLV9P3 (380X140)	SLV10P3 (380X140)	SLV11P3 (380X140)	SLV12P3 (380X140)
13 PUSH.	**14 PUSH.**	**15 PUSH.**	**16 PUSH.**	**17 PUSH.**	**18 PUSH.**	**19 PUSH.**	**20 PUSH.**	**21 PUSH.**	**22 PUSH.**	**23 PUSH.**	**24 PUSH.**
SLV13P3 (460X170)	SLV14P3 (460X170)	SLV15P3 (460X170)	SLV16P3 (460X170)	SLV17P3 (460X170)	SLV18P3 (460X170)	SLV19P3 (460X170)	SLV20P3 (460X170)	SLV21P3 (520x170)	SLV22P3 (520x170)	SLV23P3 (520x170)	SLV24P3 (520x170)

ACCESSORIES

	1-4 PUSH.	5-12 PUSH.	13-20 PUSH.	21-24 PUSH.
FLUSH BOX	ref.ABF (280x120x55)	ref.ACF (360x120x55)	ref.ADF (440x120x55)	ref.AEF (500x150x55)

	1-4 PUSH.	5-12 PUSH.	13-20 PUSH.	21-24 PUSH.
SURF. BOX	ref.ABS (300x140x80/60)	ref.ACS (380x140x80/60)	ref.ADS (480x140x80/60)	ref.AES (520x170x80/60)

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

2. DIGITAL PANELS

The MARINE DIGITAL panel includes a keypad which calls the apartments by dialling the door number or a corresponding code.
• COLOUR camera as standard.
• A DIRECTORY DISPLAY allows to search for neighbours and their door number.
• Once the code is introduced, press the BELL KEY to call.
• The metallic keys are made of zamak. BACKLIGHTING enabling users 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) .

DIGITAL PANELS

Flush box included.

DUOX

5523	DUOX DIGITAL AUDIO PANEL ST3

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

ACCESSORIES

4643	MARINE FLUSH BOX ST3

130x340x55.

4703	MARINE HOOD ST3
4647	MARINE SURFACE BOX ST3

154x364x55. With hood.

2289	JOINING BOLTS SET

ref.5468 / ref.5470
ST3: 150x360

ref.5523 / ref.5465 /
ref.5467
ST3: 150x360

DIGITAL PANELS WITH PROXIMITY READER

Proximity reader and flush box included.

VDS

5481	VDS DIG. VIDEO PANEL W/PRO. ST4
5479	VDS DIG. AUDIO PANEL W/PRO. ST4

MDS

5480	MDS DIG. VIDEO PANEL W/PRO. ST4
5478	MDS DIG. AUDIO PANEL W/PRO. ST4

ref.5481/ref.5480
ST4: 150x485

MARINE PANEL

ACCESSORIES

4644	MARINE FLUSH BOX ST4

130x460x55.

4704	MARINE HOOD ST4
4648	MARINE SURFACE BOX ST4

154x489x55. With hood.

2289	JOINING BOLTS SET

DIGITAL PANELS WITH PAXTON CUT OUT

Paxton reader not included. Flush box included.

VDS

5508	VDS DIGITAL VIDEO PANEL W/PAXTON ST4
5506	VDS DIGITAL AUDIO PANEL W/PAXTON ST4

MDS

5505	MDS DIGITAL VIDEO PANEL W/PAXTON ST4
5507	MDS DIGITAL AUDIO PANEL W/PAXTON ST4

ACCESSORIES

4644	MARINE FLUSH BOX ST4

130x460x55.

4704	MARINE HOOD ST4
4648	MARINE SURFACE BOX ST4

154x489x55. With hood.

2289	JOINING BOLTS SET

ref.5508/ref.5505
ST4: 150x485

3. BESPOKE STAINLESS STEEL PANELS

FERMAX can manufacture any panel specific to your requirements, incorporating all the product features within the FERMAX range and utilising any of our technology options.

The chart below will enable you to produce the right part number for your order. Choose your combination, design your panel in the next page form, and send your order to
sales@fermaxuk.com

HOW TO ORDER A BESPOKE PANEL?

All combinations include **SLQ** at the beginning, the amplifier (audio or video) and the number of ways followed by the extras added (braille, keypad, Pac cut out and proximity).

REF.	DESCRIPTION		EXAMPLE 1	EXAMPLE 2
SLQ	Stainless steel Bespoke Panel		X	X
A	Audio		X	X
V	Video			X
(number)	Nº of call buttons		5	2
BR	Braille			
D	Digital			
N	Keypad		X	X
P	Pac cut out			
X	Proximity		X	X
Technology:	1: 4+N			
	3: VDS			X
	4: DUOX		X	

EXAMPLE 1

EXAMPLE 2

ref.SLQA5NX4

ref.SLQV2NX3

REF.	SLQA5NX4	SLQV2NX3
Example	Stain steel audio 5 buttons with keypad and proximity. DUOX Tecnology.	Stain steel video 2 buttons with keypad and proximity. VDS technology.

NOTE: Appropriate back boxes must be ordered separately.

ENGRAVING: Engraving details are required in writing to confirm spelling etc before we can proceed with any order. Verbal instructions cannot be accepted. All panels include standard engraving for each pushbutton. Additional characters incur a separate charge.

BRAILLE: In order to comply with current DDA requirements, FERMAX offers bespoke stainless steel panels which will meet your specific requirements.
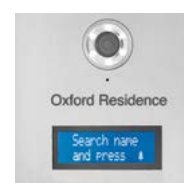
Engraving

Braille

FERMAX

BESPOKE MARINE PANEL FORM

PANEL DIMENSIONS (mm)

HEIGHT:

WIDTH:

N° of Call buttons:

_____

Amplifier:
- ☐ AUDIO
- ☐ VIDEO

Technology:
- ☐ DUOX
- ☐ VDS
- ☐ MDS

Braille:
- ☐ YES
- ☐ NO

Digital:
- ☐ YES
- ☐ NO

Keypad:
- ☐ YES
- ☐ NO

Pac cut out:
- ☐ YES
- ☐ NO

Proximity reader:
- ☐ YES
- ☐ NO

Other requirements:
- ☐ ENGRAVING

ELEMENTS

Amplifier

Amplifier+Camera

Digital Display

Keypad

Pac cut out

Proximity

Pushbutton

ENGRAVING

DRAW YOUR PANEL

REFERENCE NUMBER: _____

MARK THE TYPE OF BOX:
☐ FLUSH BOX   ☐ SURFACE BOX   ☐ WITHOUT BOX

DATE:

COMPANY NAME:

CONTACT PERSON:

TELEPHONE:

E-MAIL:

"Special Marine Application Form" for panels is available at www.fermaxuk.com

FERMAX

LOCK RELEASE

FLUSH- MOUNTED
SURFACE
SPECIALS
ACCESSORIES

FERMAX ELECTRIC LOCK RELEASE

ELECTRIC LOCK RELEASE

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

FLUSH-MOUNTED LOCK RELEASE

FLUSH-MOUNTED LOCK-RELEASE = ELECTRIC STRIKE + SHIELD

SURFACE LOCK RELEASE
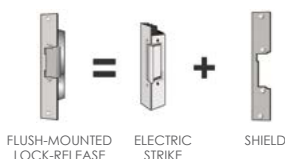
SURFACE LOCK-RELEASE = ELECTRIC STRIKE + CASE

REF.2914 ELECTRIC STRIKE

410	AD	MAX
Serie	Functioning	Adjustable latchbolt

- 410 (Serie)
- MAX (Adjustable latchbolt)
- A (Automatic functioning)
- D (Release lever)

REF.30598 LOCK RELEASE

450	ND-412	S	MAX
Serie	Functioning	Shield or case	Adjustable latchbolt
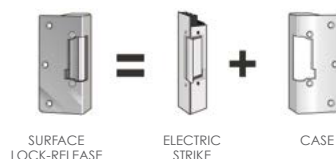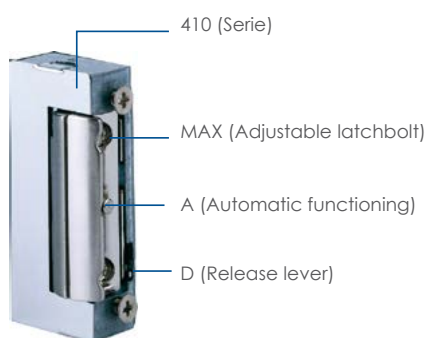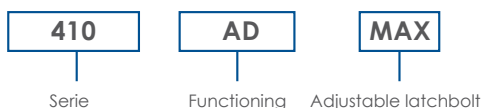
- S (Shield or case)
- D (Release lever)
- MAX (Adjustable latchbolt)
- 450N (Serie)
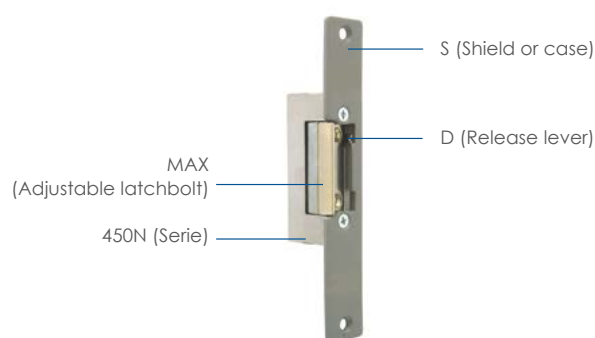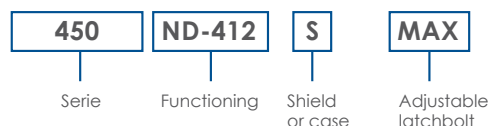
OPERATING MODES

NORMAL OPERATION - N

Allows door opening while the lock is powered.

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

AUTOMATIC OPERATION – A, Ab or Aa

Enables door opening with a short electric pulse. The lock release is automatically blocked when the door is closed again.

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

INVERTED OPERATION – N-500

Allows door opening while power to the lock release is off.

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

ADDITIONAL FEATURES

Unlocking lever – D
The lock-release with D in its description indicates the addition of a manual release lever which inhibits its function,, which inhibits its operation, allowing free access.

- ND   Normal operation with releasee
- AD   Automatic operation with releasee

Built-in microswitch - CTC
Allows monitoring of door status (open/closed). Suitable for security systems. Not available for MAX version.

Adjustable latch bolt - MAX
If the lock description contains MAX, it indicates that the latch is adjustable, allowing a perfect fit between latch and bolt in the lock, with a 4mm margin. To order a MAX lock release, please **add an 8 to the end of the reference of the compatible lock.**

ELECTRIC LOCK RELEASE
FLUSH-MOUNTED

1. FLUSH-MOUNTED LOCK RELEASE

450 SERIES

Available in MAX version. Lock-release reversible and symmetrical. Right and left-hand opening. The electric strike requiere a short S shield (ref.2973) or a large M shield (ref.2893).

3071	LOCK RELEASE 450N-S	12 Vac
2834	LOCK RELEASE 450ND-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
3059	LOCK RELEASE 450ND-412-S	12 Vdc
3057	LOCK RELEASE 450A-412-S	12 Vdc
3058	LOCK RELEASE 450AD-412-S	12 Vdc

Electric strike

3016	ELECTRIC STRIKE 450ND	12 Vac
3019	ELECTRIC STRIKE 450N-412	12 Vdc
1702	ELECTRIC STRIKE 450ND-412	12 Vdc
3020	ELECTRIC STRIKE 450N-512	12 Vdc
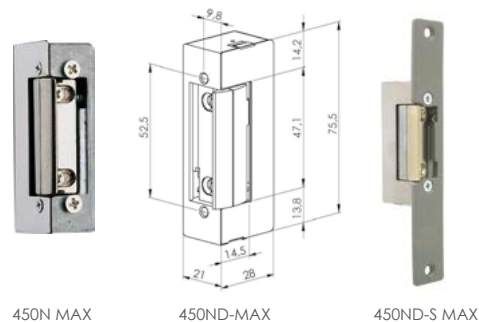
450N MAX   450ND-MAX   450ND-S MAX

450 - 540 Series consumption		
N,A	12Vac	980mA
N-412	12Vdc	400mA

540 SERIES

With MAX adjustable latchbolt version. Reversible and symmetrical. Electric strike requieres a short S shield (ref.2973) or a large M shield (ref.2893).

Electric strike

1777	ELECTRIC STRIKE 540N MAX	12 Vac
1812	ELECTRIC STRIKE 540Ab MAX	12 Vac
1780	ELECTRIC STRIKE 540Aa MAX	12 Vac
1781	ELECTRIC STRIKE 540AaD MAX	12 Vac

1782	ELECTRIC STRIKE 540N-412 MAX	12 Vdc
1810	ELECTRIC STRIKE 540Ab-412 MAX	12 Vdc
1728	ELECTRIC STRIKE 540Aa-412 MAX	12 Vdc
1727	ELECTRIC STRIKE 540AaD-412 MAX	12 Vdc

540N MAX

UNIVERSAL SERIES

Available in MAX version. Reversible and non symmetrical. The electric strike requires a short S shield (ref.2973) or large G (ref.2975).

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

N-G   G   N-S   N   S

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

*All models can be ordered with adjustable bolt by adding 8 to the end of the reference (except CTC models).

2967	UNIV. LOCK RELEASE N-512-S	12 Vdc
2908	UNIV. LOCK RELEASE A-424-S	24 Vdc
29580	UNIV. LOCK RELEASE N-412-S CTC	12 Vdc
29670	UNIV. LOCK RELEASE A-512-S CTC	12 Vdc

Electric strike

1709	ELECTRIC STRIKE Aa	12 Vac
1720	ELECTRIC STRIKE AD-424	24 Vdc
2993	ELECTRIC STRIKE N	12 Vac
3060	ELECTRIC STRIKE N CTC	12 Vac
3085	ELECTRIC STRIKE N-412 CTC	12 Vdc
3086	ELECTRIC STRIKE N-512-S CTC	12 Vdc

410 SERIES

MAX version. Recommended for very thin frames.

3040	LOCK RELEASE 410N-P22 MAX	12 Vac
3041	LOCK RELEASE 410ND-P22 MAX	12 Vac
3048	LOCK RELEASE 410A-P22 MAX	12 Vac
3068	LOCK RELEASE 410AD-P22 MAX	12 Vac
2889	LOCK RELEASE 410N-412-P22 MAX	12 Vdc
2890	LOCK RELEASE 410A-412-P22 MAX	12 Vdc

Electric strike Requieres a short S (ref.2973) or large M (ref.2893) shield.

2915	ELECTRIC STRIKE 410N-412 MAX	12 Vdc
1726	ELECTRIC STRIKE 410AD-412 MAX	12 Vdc
1729	ELECTRIC STRIKE 410N-512 MAX	12 Vdc

990 MULTIVOLTAGE SERIES

Requieres a short S (ref.2973) or large M (ref.2893) shield.

1813	ELECTRIC STRIKE 990ND MAX	10-24Vac/dc
1814	ELECTRIC STRIKE 990ND TOPMAX	10-24Vac/dc

2. SURFACE LOCK RELEASE

2003 SERIES

Available in MAX version. Reversible and non symetrical.

2940	LOCK RELEASE N-2003-AL.ANODIZED

6000 SERIES

For doors with bolt locks. Reversible. Right-hand and left-hand opening. 12Vac activation. Does not allow inverted functioning or MAX version.

3004	LOCK RELEASE 6000N-GREY

3. SPECIAL LOCK RELEASE
ELECTRIC RIM LOCK

Electric lock for more security. Automatic functioning.

2878	ELECTRIC RIM LOCK 961 DOUBLE KEY

2879	ELECTRIC RIM LOCK 962 W/KEY+PUSH.

UNIVERSAL SERIES

N CTC   CTC

410 SERIES

410-P22 MAX   410N-MAX

410 Series consumption

N,A	12Vac	980mA
N-412 A-412	12Vdc	400mA

990 Series consumption
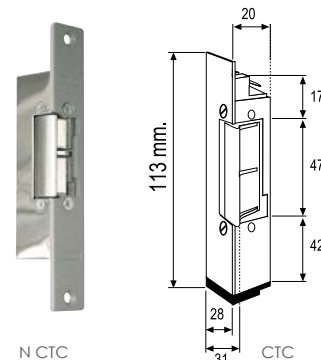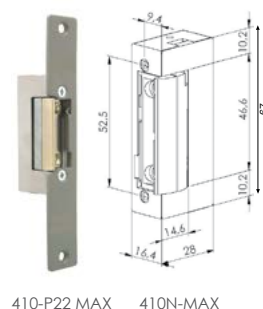
N	12Vac: 250mA
	12Vdc: 280mA
	24Vac: 500mA
	24Vdc: 560mA

990 SERIES

990   990TOP   990TOP

2003 SERIES

N-2003

6000 SERIES

2000 Series consumption

N	12Vac	980mA

6000 Series consumption
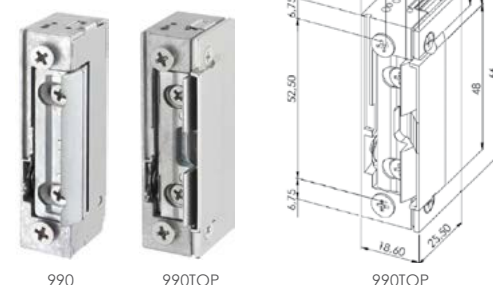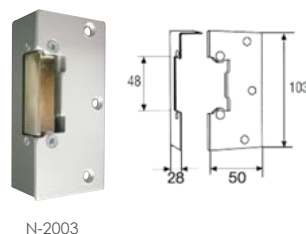
N,A	12Vac	980mA

960 SERIES

960

960 Series consumption

12Vac/Vdc	850mA/1,7A

ELECTRIC 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.

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.

3098 GLASS CIIN-512-SX LOCK RELEASE

Strike plate

Latch
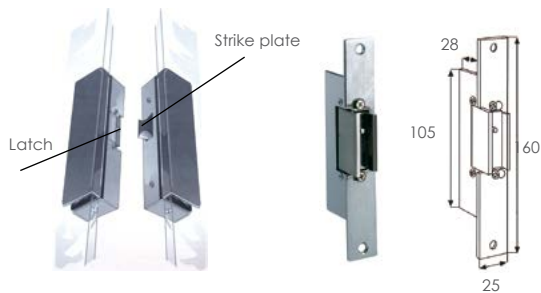
C Series consumption		
N,A	12Vac	980mA

CII Series consumption		
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

3066 LOCK RELEASE PN-512

8000 SERIES (with chain)   **P SERIES (anti-panic)**

Transformer

Short chain section

R

Knob   Large chain section
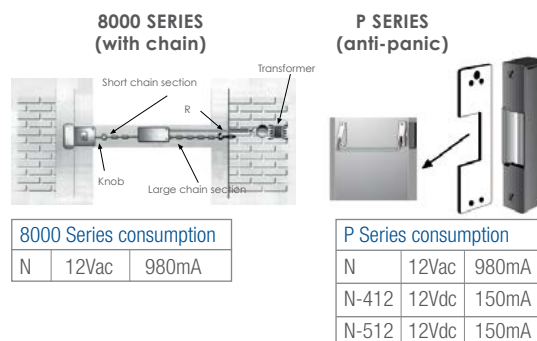
8000 Series consumption		
N	12Vac	980mA

P Series consumption		
N	12Vac	980mA
N-412	12Vdc	150mA
N-512	12Vdc	150mA

AUTOMATIC LOCK

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

3101 AUTOMATIC LOCK 850/50 A

For wood and iron doors.

3103 AUTOMATIC LOCK 850/35 A

For alumminium doors.

H

85

1-3 mm

25/30/35/50
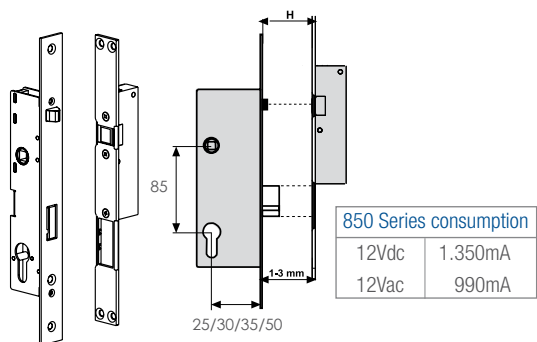
850 Series consumption	
12Vdc	1.350mA
12Vac	990mA

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)

3052

3078

3050

U

ELECTROMAGNETIC Series consumption	
12Vdc	500mA
24Vdc	250mA

4. ACCESSORIES

FLUSH-MOUNTED & SURFACE MOUNTED (Shields & Cases)

2973	S-TYPE SHIELD
2894	P22-TYPE SHIELD
2893	M-TYPE SHIELD
2975	G-TYPE GREY SHIELD
2985	GE-TYPE GREY SHIELD
2979	2001-TYPE CHROME CASE
2981	2003-TYPE CASE

For more information about door locks, see current lock release catalogue.

FOR ALL TYPE OF LOCK RELEASES

2913	DOOR CONTACT 2C (DOUBLE)
2922	DOOR CONTACT 3C (TRIPLE)
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/2A
3264	AC ELECTRIC LOCK COMMANDER
1076	MAGNETIC CONTACT

FERMAX

01/01/2014

4:25

- Do not disturb activated -- Call missed -

?

SOS

FERMAX

MONITORS & TELEPHONES

VIVO MONITOR
SMILE MONITOR
ILOFT MONITOR
LOFT MONITOR
ILOFT TELEPHONE
LOFT TELEPHONE
UNIVERSAL FRAME

VIVO

MULTI-BRAND
HOME
AUTOMATION

VIVO

ALARMS   LIFT   CCTV
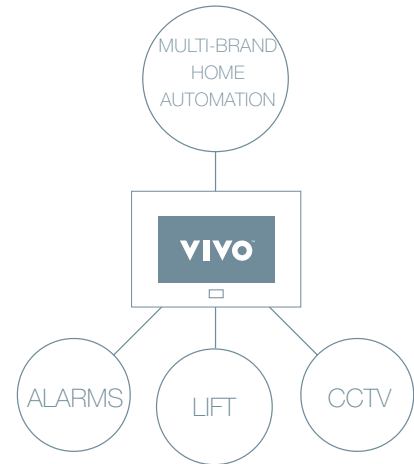
Hands-free slimline VIVO monitor with crystal surface.

Featuring a high tech 7-inch capacitive touch screen, the VIVO monitor operation naturally flows, offering a full and extensive range of operating options and multi-task capacities.

VIVO provides comprehensive and effective control over communication, security and comfort.

DIMENSIONS / INSTALLATION

Surface

164

233   20
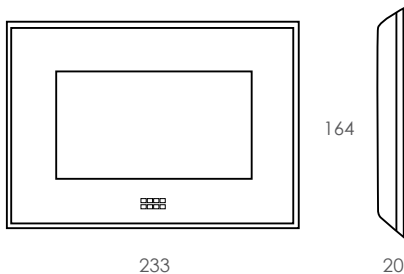
Monitor: 233x164x20.
20 mm protusion from the wall once fixed.

REFERENCES

1620	VIVO MONITOR
1605	VIVO CONNECTOR

FUNCTIONS

• TFT Colour screen.
• Hands-free communication.
• Calls to and from:
- Lynx panels.
- Any Property Managment Unit.
- Any other VIVO monitor inside home.
- Any other VIVO monitor in the same installation and accepted as a friend.
• Messages: Receives messages from and sends messages to the Property Management Units and other VIVO monitors in the friends list.
• Captures and stores images from any Lynx call panel or IP cameras connected to the system.
• Panic call to the Property Management Units upon the activation of one of its sensors or additional panic pushbuttons placed in other parts of the home.
• Audio Notes. Records and stores audio messages.
• Do not disturb. Silent calls can be configured for given or unlimited periods of time.
• Timer. VIVO monitor also acts as an alarm for time management purposes.

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

VIVO

PERSONALISATION & INTEGRATION

The VIVO monitor offers a wide range of background colours to suit every environment.

VIVO offers a wide-ranging freedom of choice for users. The monitor allows:

FRIENDS LIST MANAGEMENT
Calls between different units is only possible upon the acceptance of those units in the friends list.

BACKGROUND SETTINGS
VIVO monitor blends with individual decors and surroundings by providing a range of screen background colours.

RING TONE SETTINGS
A wide range of melodies specifically composed for VIVO monitor provide ring tone selections for each user and each situation, delivered with surround sound through the monitor's two high performance speakers.

MENU CONFIGURATION
With a touch of the finger, the on-screen menu layout can be simply re-configured to reflect the habits and preferences of each individual.

PRIVACY AND RESTRICTIONS MANAGEMENT
The user and installer can simply set or remove barriers for data protection.

LYNX enables projects to be customised to address the different needs of unique real estate developments. Whatever the project environment the VIVO monitor can be smoothly integrated.

COMPATIBILITY WITH MULTI-BRAND HOME AUTOMATION SYSTEMS
Each home is unique and so are its requirements for device integration: wired or wireless, open standards or proprietary protocols, simple or complete. The VIVO monitor is the ideal communication gateway as it can integrate with dedicated applications for each specific Home Automation brand. The VIVO monitor allows for the easiest and most user friendly interaction with the most popular Home Automation systems available in the market.

ALARM SYSTEM
Up to 64 alarm sensors can be connected to the VIVO monitor for maximum family safety and protection.

CCTV CAMERAS
VIVO monitor can display the images from an IP camera connected to the Lynx system making it a window to the world.

LIFT
The Fermax Lynx system and VIVO monitor interact with the elevators for the convenience and increased protection of the residents.

NEW

SMILE

SMILE hands free monitor with 7" or 3,5" TFT COLOUR screen. It is distinguished by its resistant cover with ultraviolet protection, its digital audio quality, its capacitive keypad and its OSD screen menu.

7" Version

PERFORMANCE

When a call is received from the video door entry panel, the image comes up automatically. The user will receive aditional information regarding the call status on screen: calling, in conversation or door open function.

FUNCTIONS

• Colour TFT screen, available in 7" and 3,5".

• 🐾 Activates/deactivates the communication with the outdoor panel.

• 🔑 Door opening.

• 🔲 Access to MENU by pressing during 5 sec. A quick keystroke (1 sec.) activates the invisible keypad to access the additional functions.

• ◯ Activates the panel camera manually.

• F1-F2: Activates additional functions: stair light switching, 2nd door opening, etc.

• Call status information is displayed on screen.

• Allows the installation of a CCTV camera and a view of the image via the monitor.

• VDS technology.

DIMENSIONS / INSTALLATION

The same monitor can be installed surface or flush-mounted.

Surface

172
185   20
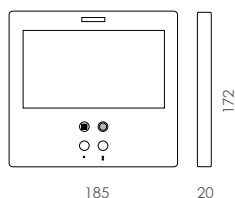
20 mm protusion from the wall once fixed.

Flush-mounted

196
209   4

4 mm mm protusion from the wall once fixed.

ACCESSORIES
(Flush-mounted)

Ref.6552 7" SMILE decorative frame. Dimensions: 209x196x4.
Ref.6551 Flush box. Dimensions: 198x186x44.
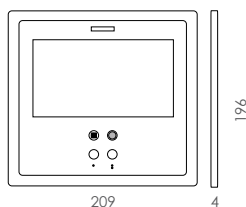
REFERENCES

6550	VDS SMILE 7" MONITOR
6548	VDS SMILE CONNECTOR

6552	SMILE 7" DECORATIVE FRAME
6551	SMILE 7" FLUSH BOX

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

INTUITIVE OSD MENU

The OSD menu enables users to browse through the screen by means of intuitive interpretation of the graphic icons, achieving the maximum performance from the monitor features.

3,5" Version

"Do not disturb" function activated.

Invisible additional pushbuttons / Additional functions

Intuitive screen

ADDITIONAL KEYPAD

Smile includes an additional keypad which remains invisible until it is activated allowing to program them as direct accesses to the functions you want to establish as "favorite".

DIMENSIONS / INSTALLATION

The same monitor can be installed on surface or flush-mounted.

Surface

103   20

20 mm protusion from the wall once fixed.

172

Flush-mounted

127   4

4 mm mm protusion from the wall once fixed.

196

ACCESSORIES
(Flush-mounted)

Ref.6547 3,5" SMILE decorative frame. Dimensions: 127x196x4.
Ref.6546 Flush box.
Dimensions: 112x186x44.

REFERENCES

6545	VDS SMILE 3,5" MONITOR
6548	VDS SMILE CONNECTOR

6547	SMILE 3,5" DECORATIVE FRAME
6546	SMILE 3,5" FLUSH BOX

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

MONITORS & TEL.

iLOFT

Hands-free colour video monitor. Compact and extra slim. Its 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)

FUNCTIONS

• COLOUR TFT screen.

• ⌒ Activate/deactivate the communication with the door entry panel.

• ⌐0 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.

REFERENCES

Surface option.

5614	VDS iLOFT SURFACE MONITOR

Flush-mounted option.

5620	VDS iLOFT MONITOR
5630	iLOFT FLUSH BOX. 108x158x45

PROGRAMMING

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

197

131   36

36 mm protusion from the wall one fixed.

Flush-mounted

197

45

131   13
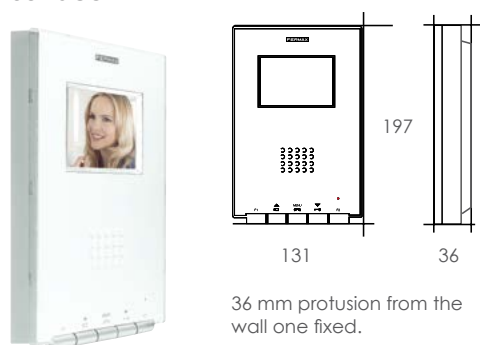
13 mm protusion from the wall one fixed.
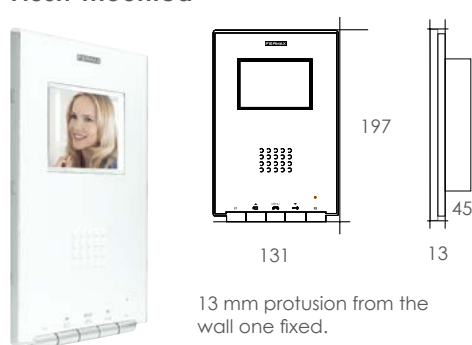
ACCESSORIES

DECORATIVE RAME

COVERS

Frontal colour covers.

SILVER   BLACK   GOLD

REFERENCES

| 5631 | CRYSTAL iLOFT DECORATIVE FRAME |

Made of beveled crystal. Dimensions: 189x256x6.
Only for flush-mounted monitor.

5633	SILVER iLOFT COVER
5634	BLACK iLOFT COVER
5635	GOLD iLOFT COVER

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 ⌐0 to open the door. The image disappears after a few seconds, or when the handset is replaced.

FUNCTIONS

• COLOUR TFT screen.
• ⌐0 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 version).
• Selectable call tones.
• Call volume control: high, medium or disconnected.
• Brightness, contrast and colour control.

DIMENSIONS / INSTALLATION

220

203   60
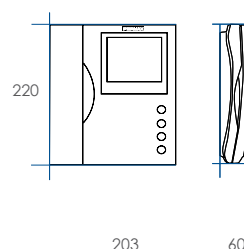
Monitor: 203x220x60.
Surface installation.

REFERENCES

3305	VDS COLOUR LOFT MONITOR
3314	VDS LOFT CONNECTOR

3325	VDS LOFT DESKTOP SUPPORT
3441	LOFT HANDSET W/INDUCTION LOOP

Adapted for people with auditive disability.

ref.3325
(monitor not included)

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

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 interference.

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.

Volume control

REFERENCES

5601	VDS iLOFT TELEPHONE

FUNCTIONS

- 🕿 Button to activate/deactivate the communication with the door entry panel.
- ⌐0 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.

20

146,5

90

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

MONITORS & TEL.
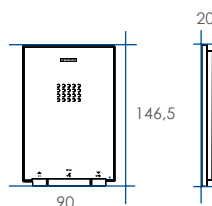
LOFT TELEPHONE

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 stablish a conversation with the outdoor panel.
Push the corresponding button ⌐0 to open the door.

FUNCTIONS

The EXTRA version includes the following features:
• ⌐0 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

220

85   40
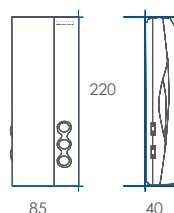
Telephone: 85x220x40.

ref.3380
(telephone not included)

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.

UNIVERSAL DECORATIVE FRAME

Universal frame compatible with FERMAX telephones and monitors. With an extra slim format, it is manufactured in a high resistant ABS plastic with a texturised finish.

In replacement works, allows to cover the space left by older equipments. In addition, it keeps the wall protected from the dirt produced by the use of telephones and monitors.
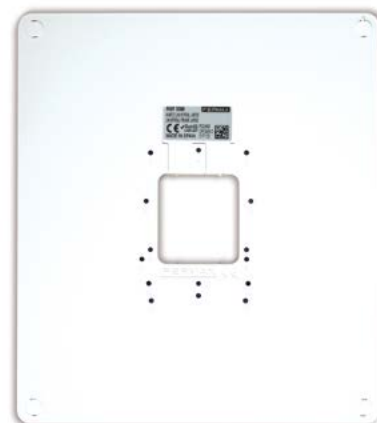
Ref.3388   Ref.3389

TWO DIFFERENT MODELS

There are two different UNIVERSAL FRAMES to choose depending on the terminal which is going to be installed.

| 3388 | UNIV. DECORATIVE FRAME |

Allows to assemble:
- CITYMAX, LOFT and iLOFT telephones.
- 3,5" Smile monitor.

| 3389 | UNIVERSAL LARGE DECORATIVE FRAME |

Allows to assemble:
- CITYMAX, LOFT and iLOFT telephones.
- 3,5" and 7" Smile monitor.
- VIVO monitor.

Loft   Citymax   iLoft   3,5" Smile

Loft   Citymax   iLoft

DIMENSIONS

Universal decorative frame: 120x240.
Universal Large decorative frame: 210x240.

240   240
120   210

3,5" Smile   7" Smile   Vivo
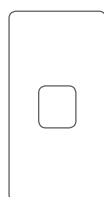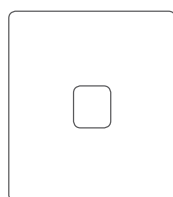
FERMAX

SYSTEMS

DUOX
VDS
MDS
LYNX

AUDIO: 2 COMMON WIRES (WITHOUT POLARITY)

FEATURES

• **A simplified installation audio system.** It utilises the transmission of the signal in a **complety digital way** increasing the equipments capacity using only **2 non polarised wires.**

• **Capacity:** The system enables management of up to 999,999 homes, up to 10 general entrance panels, up to 10 panels by block and 10 panels by sub-blocks, up to 100 interior blocks and up to 100 sub-blocks.

• **Maximum distance:** up to 300 metres (extendable with additional elements).

• The **DUOX amplifier** includes voice synthesizer in 64 languages. When the electric lock is activated, a message is reproduced:
"The door is open. Please, close the door behind you".

• DUOX telephones must be programmed with the house number where they are installed, from a panel configured as a master.

• Communication is PRIVATE.

• It enables the management of 2 conversation channels at the same time.

• In new construction it is possible to use parallel cable, twisted pair cable, UTP (CAT-5) or 9/10° (twisted pair).

• In replacement works, DUOX works with the existing cable from old installations: 5 wires, 2 wire doorbell or even old 4+N wires.

• In case there is more than one panel, a DIRECT keypad (ref.7439) or DUOX programmer (ref.3254) is required for configuration.

A complete DUOX system consists of:

Accesses					Home	Accessories
Panel	Power supply + Adaptor	Line termination	Lock release		Telephones	Relay (optional)
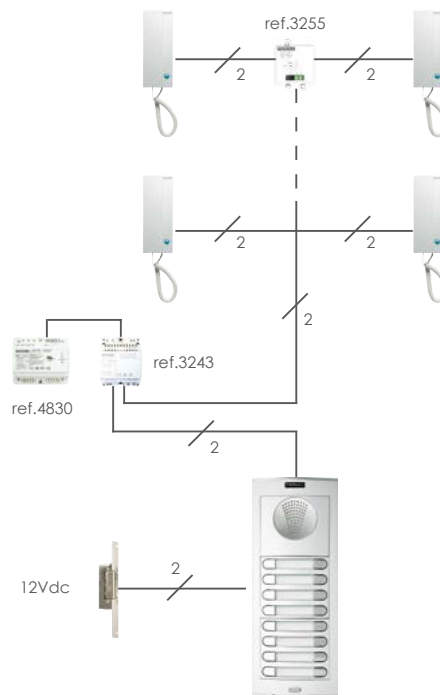
1. OUTDOOR PANEL

PUSHBUTTONS

SKYLINE (See SKYLINE panel)

Choose a DUOX amplifier and the rest of necessary modules to build the panel depending on the number of apartments in the building.

SKYLINE WITH ONE-TO-ONE

DUOX SYSTEM

DIGITAL PANEL

SKYLINE (See SKYLINE panel)

DIGITAL panels include a keypad and a directory display. The keypad incorporates an access control function (350 codes). It is possible to configure any DIGITAL panel combination with other access control or signalling accessories.

MARINE

5523	DUOX DIGITAL AUDIO PANEL ST3
4643	FLUSH BOX ST3
2289	JOINING BOLTS

2. POWER SUPPLY/ADAPTOR

4830	POWER SUPPLY 18Vdc/3,5A

To power the DUOX system. 1 power supply is required for each 80 telephones depending on the cable section.

4812	POWER SUPPLY 18Vdc/1,5A

Necessary for additional monitors in home. DIN6

4810	POWER SUPPLY 18Vdc/1,5A-12Vac/1,5A

3243	DUOX POWER SUPPLY ADAPTOR MODULE

Combining with the power supply (ref.4830, ref.4812 or ref.4810). In small installations with 1 panel and up to 24 telephones, it is not necessary if the power supply is connected directly to the outdoor panel. DIN4.

3255	DUOX LINE TERMINATION

Necessary at the end of every riser.

3258	DUOX TRUNK SHUNT-ISOLATOR

Splits a riser into 2 separate branches, regenerating the signal and isolating each branch against possible breakdowns. Up to 4 modules on 2 levels (16 outputs). Risers can share the power source or have one supply per riser. Cascade connection up to 2 levels. Connection is possible:

TYPE OF CABLE	SECTION	Nº TELEPHONES
Parallel	1mm^2	48
4+N	0,5mm^2	28
Ethernet CAT5	0,128mm^2	16

from each riser splitter output when powered by a single supply from the same splitter. A higher load (up to 200 terminals per riser) may be connected by adding power supplies and depending on the type of wiring used.

DIGITAL panel
with OneToOne

DIGITAL panel
with proximity reader

ref.5523

Panel dimensions:
150x360 (ST3)
Flush box dimensions:
130x340x55 (ST3)

ref.4830

ref.4812

ref.3243

ref.3255

ref.3258

| 3256 | DUOX REGENERATOR |

To regenerate the DUOX signal and extend distances and terminal capacity.

| 3257 | DUOX RELAY MODULE |

An additional function may be triggered from the DUOX handset F1 or F2 buttons, with no extra wiring required. The relay can also be triggered by call or electric lock/door release activation. Allows pairing of 2 relays, one as sender and the other as receiver, for remote switching.

| 3254 | DUOX PROGRAMMER |

The operational status of any DUOX installation can be programmed and checked quickly and easily.

ref.3256   ref.3257

ref.3254

3. LOCK RELEASE

A/C electric lock (Vac).

A power supply ref.4800 (12Vac/1,5A) or Vac door lock release activator (ref.3264) is required.

| 3071 | LOCK RELEASE 450N-S |

Normal functioning and small shield. 12Vac.

| 3069 | LOCK RELEASE 450A-S |

Automatic functioning and small shield. 12Vac.

| 3264 | AC ELECTRIC LOCK COMMANDER |

Maximum current: 1 Ampere.

D/C electric lock (Vdc).

| 3070 | LOCK RELEASE 450N-412-S |

Normal operation and short shield. 12Vdc.

| 3057 | LOCK RELEASE 450A-412-S |

Automatic operation and short shield. 12Vdc.

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

Allows MAX version. Add an 8 to the chosen reference.

4. TELEPHONES

LOFT

The DUOX LOFT telephones include door opener and call to the guard button as standard. They must be programmed with the number of the home in which they are installed. Maximum 3 terminal per house. You can choose the ring tone and set the volume.

| 3420 | DUOX BASIC LOFT TELEPHONE |

Additional functions or accessories are not allowed.

| 3421 | DUOX PLUS BASIC LOFT TELEPHONE |
| 3422 | DUOX EXTRA LOFT TELEPHONE |

ref.3420/ref.3421   ref.3422   ref.3425

DUOX SYSTEM

CITYMAX

3425	DUOX BASIC CITYMAX TELEPHONE

UNIVERSAL DECORATIVE FRAMES

3388	UNIVERSAL DECORATIVE FRAME
3389	UNIVERSAL LARGE DECORATIVE FRAME

ref.3388
120x240mm

ref.3389
210x240mm

5. ACCESSORIES

ADDITIONAL FUNCTIONS
(For PLUS BASIC and EXTRA models)

2013	ADDITIONAL FUNCTION RELAY. 2A

Allows activation of electrical devices remotely using an additional button on the telephone or monitor: switch on the stair light, open the garage, open a 2nd door, etc.

29001	TIMER

Allows activation of 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.2013

ref.29001

CALL ACCESSORIES

2040	ELECTRONIC CALL EXTENSION BELL

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

2438	LIGHT OR BUZZER ACTIVATOR

Allows activation of 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

5925	PARALLEL CABLE (1M)

Parallel cable of 1mm^2.

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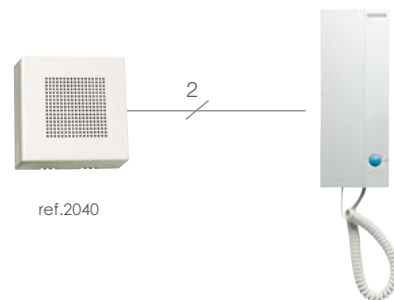
VIDEO: 5 WIRES / UTP CAT5 / 3 WIRES+COAX
AUDIO: 3 WIRES

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 a *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"*.

• COLOUR CAMERA.

• The VDS MONITORS & HANDSETS are simply programmed with the number of the corresponding home. It is possible to combine monitors and telephones in the same installation.

• The communication is PRIVATE.

• As a replacement, the VDS allows the changing of a 4+N entry system for a VDS video entry setup, making use of the existing wiring.

BASIC INSTALLATION
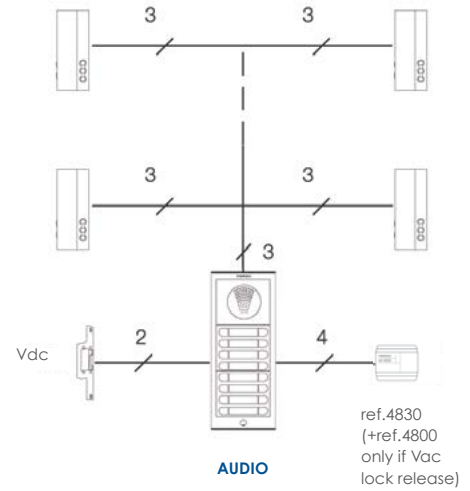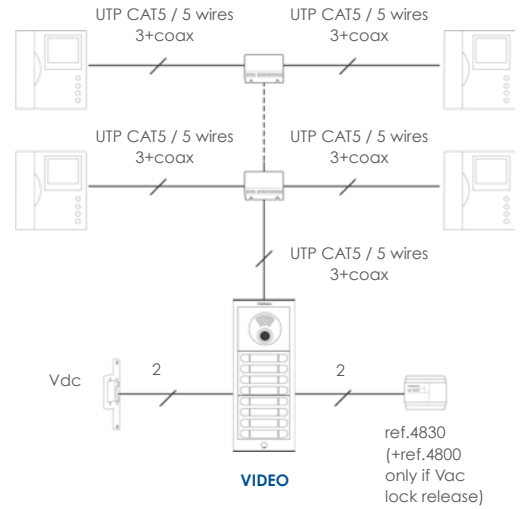
UTP CAT5 / 5 wires 3+coax

Vdc

VIDEO

ref.4830 (+ref.4800 only if Vac lock release)

Vdc

AUDIO

ref.4830 (+ref.4800 only if Vac lock release)

A VDS system consist of the following elements:
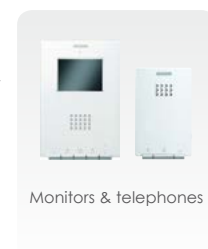
Accesses					Building (by floors)	Home	Accessories
Panel (Pushbutton/Digital)	Power supply	Lock release	Guard Unit	Switcher (2 video accesses)	Distributor (video)	Monitors & telephones	Accessories
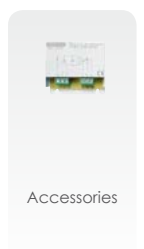
1. OUTDOOR PANEL

PUSHBUTTONS

MARINE (See Marine Panels Section)

• Select the panel according to the number of apartments of the building. VDS amplifier required.
• Request the flush or surface 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

SKYLINE (See next page).

MARINE

SKYLINE

ref.2441

ref.2008

DIGITAL PANEL

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

MARINE
Supplied complete with flush-mounted box.

5468	VDS DIGITAL VIDEO PANEL ST3
5465	VDS DIGITAL AUDIO PANEL ST3
4643	MARINE FLUSH BOX ST3
4647	MARINE SURFACE BOX ST3
5481	VDS DIGITAL VIDEO PANEL W/PRO ST4
5479	VDS DIGITAL AUDIO PANEL W/PRO ST4
5508	VDS DIGITAL VIDEO PANEL W/PAX ST4
5506	VDS DIGITAL AUDIO PANEL W/PAX ST4
4644	MARINE FLUSH BOX ST4
4648	MARINE SURFACE BOX ST4
2289	JOINING BOLTS SET

SKYLINE (See next page).

ref.5468

ref.5465

Dimensions:
ST3 Panel: 150x360
ST3 Flush box: 130x340x45
ST3 Surface box: 154x364x55

ref.5481

ref.5508

Dimensions:
ST4 Panel: 150x485
ST4 Flush box: 130x460x55
ST4 Surface box: 154x489x55

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

VDS

VDS

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 appropiate frames, enables flexibility
to create a panel for any building.

SKYLINE
INFINITE POSSIBILITIES

VIDEO & AUDIO MODULES

Video W
ref.7421

Audio W
ref.7415

SKYLINE FRAMES

| Frame 1V ref.7341 | Series 1 130x128 | Frame 2V ref.7332 | Series 2 130x151 | Frame 3V ref.7333 | Series 4 130x199 | Frame 4V ref.7334 | Series 5 130x246 | Frame 5V ref.7335 | Series 6 130x294 | Frame 6V ref.7336 | Series 7 130x341 | Frame 7V ref.7337 | Series 8 130x389 | Frame 8V ref.7338 | Series 9 130x436,5 |

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

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.

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).

| 3265 | VDS TESTER |

For programming and cheking the workings in a faster, more convenient and efficient way.

COMBINATION WITH OTHER SYSTEMS

| 2409 | VDS/MDS DECODER |

For complexes where a VDS system is combined in apartment internal blocks (I.B.) the complexes 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 VDS models include door opener button as standard and are suitable for guard unit. They must be programmed with the number of the home in which they are installed.

SMILE

6545	VDS 3,5" SMILE MONITOR
6550	VDS 7" SMILE MONITOR
6548	VDS SMILE CONNECTOR

| 6547 | 3,5" SMILE DECORATIVE FRAME |
| 6546 | 3,5" SMILE FLUSH BOX |

| 6552 | 7" SMILE DECORATIVE FRAME |
| 6551 | 7" SMILE FLUSH BOX |

ref.6545   ref.6550

ref.6545 + ref.6547   ref.6550 + ref.6552

VDS

LOFT

3305	VDS LOFT MONITOR	
3299	VDS LOFT MEMORY MONITOR	
3314	VDS LOFT CONNECTOR	
3325	VDS LOFT DESKTOP CONNECTOR	
3441	LOFT HANDSET W/INDUCTION LOOP	

ref.3305   ref.3325

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	

ref.5614   ref.5620 + ref.5631

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

ref.2448

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	

ref.3390   ref.3391   ref.3391+ref.3380

iLOFT TELEPHONE (HANDS-FREE)

5601	VDS iLOFT TELEPHONE

UNIVERSAL DECORATIVE FRAMES

3388	UNIV. DECORATIVE FRAME	120x240
3389	UNIV. LARGE DECORATIVE FRAME	210x240

ref.5601   ref.3388   ref.3389

VDS

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

4. VDS ACCESSORIES

TELEPHONE INTERFACE

4545   TELEPHONE INTERFACE

Connected to the telephone, it allows the communication with the outdoor panel as well as opening the door remotely from any conventional or wireless telephone at home. It allows as well to forward the call to one or two external land lines or mobile telephones.

ref.4545

ADDITIONAL FUNCTIONS

2013   ADDITIONAL FUNCTION RELAY. 2A

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.2013

29001 TIMER

Activates 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.

2472   8-CAMERAS SELECTOR

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

ref.2450   ref.2472

CALL ACCESSORIES

2040   ELECTRONIC CALL EXTENSION BELL

Equipment that recieves 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 1mm^2 + 1 coaxial of 75 Ohms. This cable is supplied in 100 metre rolls. Orders must be multiplied of 100.

ref.5919

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

VDS

MDS SYSTEM
LARGE INSTALLATIONS
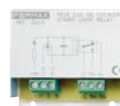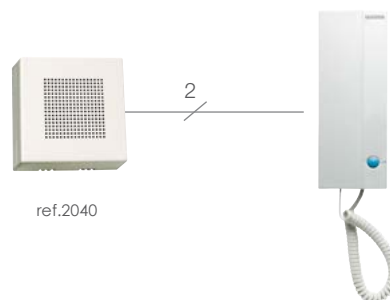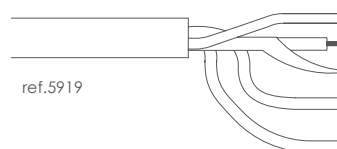
VIDEO: 6 COMMON WIRES + 1 SHIELDED TWISTED PAIR + 1 VIDEO COAX
AUDIO: 4 COMMON WIRES + 1 SHIELDED TWISTED PAIR

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 complexes of any 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 complexes (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.

MDS DECODER
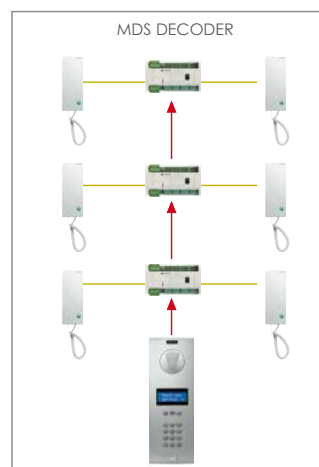
AUDIO BUS + DATA + TELEPHONE BUS

MDS DECODER & DISTRIBUTOR
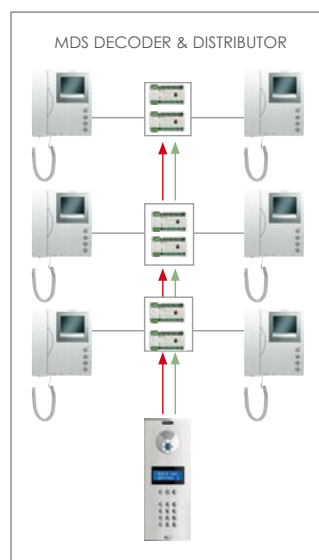
AUDIO BUS + DATA + VIDEO BUS

More information about diagrams at
www.fermaxuk.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.

Apartments

General Entrance (CENTRAL UNIT)

Proximity reader at entrance to tennis court

Bus ❶

Entrance 1st block

Entrance 2nd block

Integrated services: control and management of accesses, in lifts, automations, security systems.

RF receiver for garage entrance.
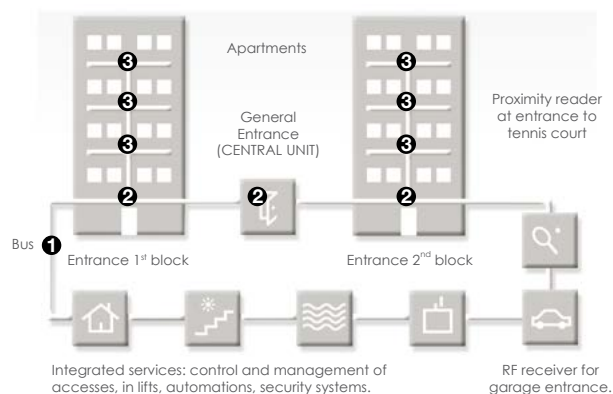
Dimensions: (width) x (height) x (depth) mm.

MDS DIGITAL

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

Accesess/General entrances and blocks
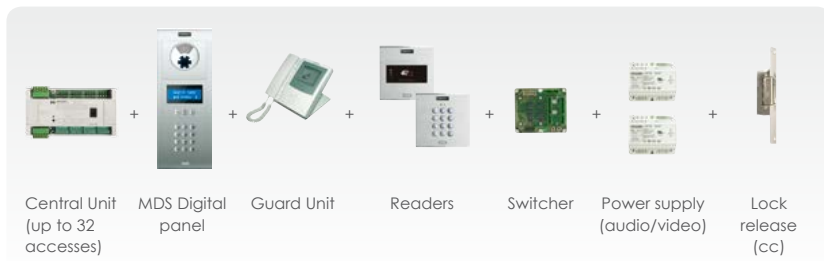
Building (by floors)   At home

Central Unit (up to 32 accesses) + MDS Digital panel + Guard Unit + Readers + Switcher + Power supply (audio/video) + Lock release (cc) +

Video distributor + Audio distributor

Monitors & Telephones
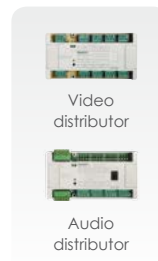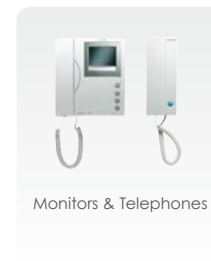
1. OUTDOOR PANEL

Panel with keypad + electronic directory.
A Central Unit is required.

SKYLINE (See Skyline Panel section)

It allows to create any audio or video door entry panel with access control and informative 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

INFORMATION MODULES

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

ACCESS CONTROL MODULES

7440	PROXIMITY READER V
7441	BLUETOOTH READER V

ref.7336
6V

ref.7337
7V

ref.7338
8V

ref.7406

ref.7400

ref.7451

ref.7447

ref.7448

ref.7444

ref.7440

ref.7441

MDS

MARINE

The panel is supplied with the corresponding flush box.

| 5470 | MDS DIGITAL VIDEO PANEL ST3 |
| 5467 | MDS DIGITAL AUDIO PANEL ST3 |

| 4643 | MARINE FLUSH BOX ST3 |
| 4647 | MARINE SURFACE BOX ST3 |

| 5480 | MDS DIGITAL VIDEO PANEL W/PRO ST4 |
| 5478 | MDS DIGITAL AUDIO PANEL W/PRO ST4 |

| 5505 | MDS DIGITAL VIDEO PANEL W/PAX ST4 |
| 5507 | MDS DIGITAL AUDIO PANEL W/PAX ST4 |

| 4644 | MARINE FLUSH BOX ST4 |
| 4648 | MARINE SURFACE BOX ST4 |

| 2289 | JOINING BOLTS SET |

ref.5470   ref.5467   ref.5480   ref.5505

Dimensions:
ST3 Panel:	150x360
ST3 Flush box:	130x340x45
ST3 Surface box:	154x364x55

Dimensions:
ST4 Panel:	150x485
ST4 Flush box:	130x460x55
ST4 Surface box:	154x489x55

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 stablish 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

MDS

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

MDS SYSTEM

LARGE INSTALLATIONS

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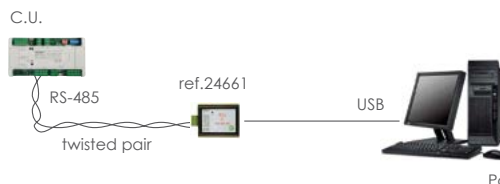
2466 | DECODER PROGRAMMING MODULE. ADAPTOR RS-232 TO RS-485

Enables Central Unit programming by PC (serial port).
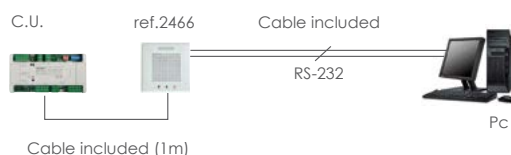
2338 | RS-232 TO RS-485 PC ADAPTOR

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.
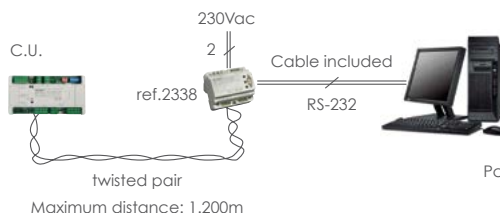
1087 | IP REMOTE MANAGEMENT MODULE

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.
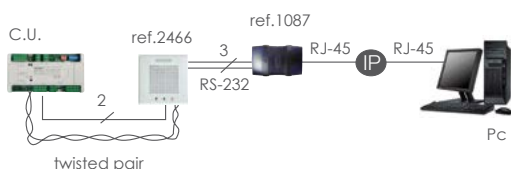
4. POWER SUPPLIES

GENERAL POWER SUPPLY

4813 | AUDIO POWER SUPPLY. 12Vdc/2A

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. DIN6 format.

ref.4813

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

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

ref.4830

4812 | VIDEO POWER SUPPLY. 18Vdc/2A

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

ref.4812

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

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.

ref.2060

2060	EMERGENCY BATTERY ADAPTOR. 12Vdc
1021	EMERGENCY BATTERY ADAPTOR. 18Vdc

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.

ref.2424

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.2436

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

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

MDS

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.

MDS

FERMAX

MDS SYSTEM

LARGE INSTALLATIONS

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 1mm^2+1 twisted pair shielded of 2 x 0,5 mm^2.

5919	VIDEO BUS CABLE (1m)

3 wires of 1mm^2+1 coaxial of 75 Ohms.

5922	DECODER-TELEPHONE CONNECTION CABLE (1m)

6 wires of 0,5mm^2.
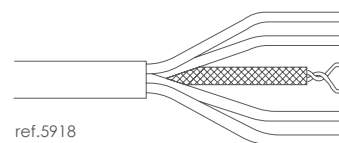
ref.5918
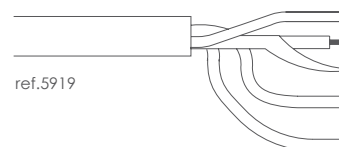
ref.5919
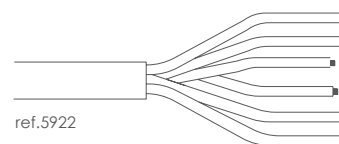
ref.5922

9. MONITORS & TELEPHONES

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

LOFT

3307	COLOUR LOFT MONITOR
3315	LOFT CONNECTOR

3315	LOFT CONNECTOR
3324	DESKTOP CONNECTOR
3441	LOFT HANDSET WITH INDUCTION LOOP

LOFT TELEPHONE

3393	BASIC LOFT TELEPHONE
3394	EXTRA LOFT TELEPHONE
3399	UNIVERSAL LOFT TELEPHONE

For the replacement of most of the standard telephones from other brands (see equivalence table included in the equipment) in both telephones with buzzer call as with electronic call. 4 common call wires.

3380	DECORATIVE FRAME 200x240
3441	LOFT HANDSET WITH INDUCTION LOOP

ref.3307

ref.3324

ref.3393/ref.3399   ref.3394   ref.3394+ref.3380

MDS

MDS SYSTEM

UNIVERSAL DECORATIVE FRAMES

3388	UNIVERSAL DECORATIVE FRAME

120x240mm.

3389	UNIVERSAL LARGE DECORATIVE FRAME

210x240mm.

ref.3388   ref.3389

CITYMAX TELEPHONE

80447	CITYMAX TELEPHONE (white finish)
8039	UNIVERSAL CITYMAX TELEPHONE (pearl finish)

BASIC   UNIVERSAL

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)

MDS

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

FERMAX | MDS/VDS SYSTEM

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 installation.

IN MEDIUM SIZE BLOCKS INSTALLATIONS

One MDS/VDS Decoder is required ❸ per block.

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

VDS telephones & monitors are required.

INSTALLATION

• System with simplified MDS BUS installation ❶ 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 ❷ 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 ❸ .

The MDS/VDS decoder (new version) allows VDS Monitors and Telephones to have additional functions such as panic call to the concierge or lift control.

Apartments

VDS

VDS

Proximity reader

MDS Bus

Entrance 1st block

General Entrance (CENTRAL UNIT)

Entrance 2nd block

Integrated services: control and management of accesses, in lifts, automations, security systems.

RF receiver for garage entrance.
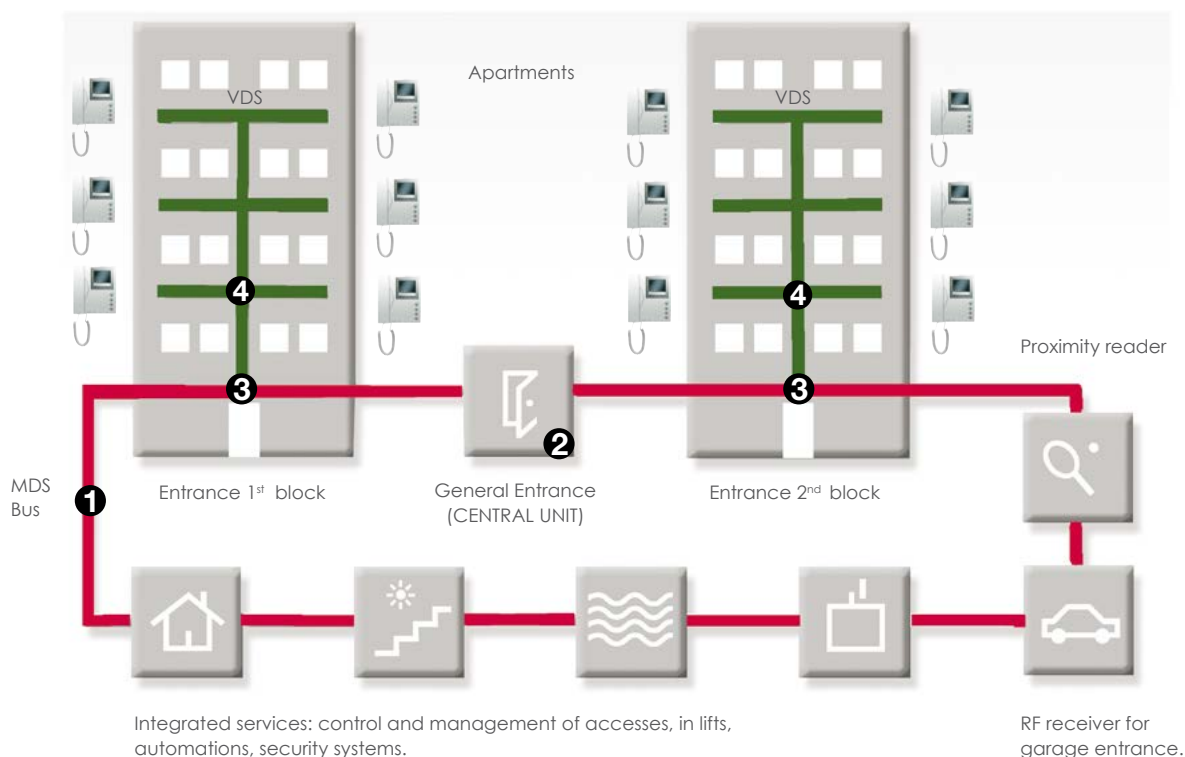
MDS/VDS SYSTEM

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

Central Unit (Up to 32 accesses) + MDS digital panel + Guard Unit + Readers + Switcher + P.S.U. (audio & video) + Lock release

+ MDS/VDS decoder per block

+ VDS entry panel — VDS Monitors or Telephones
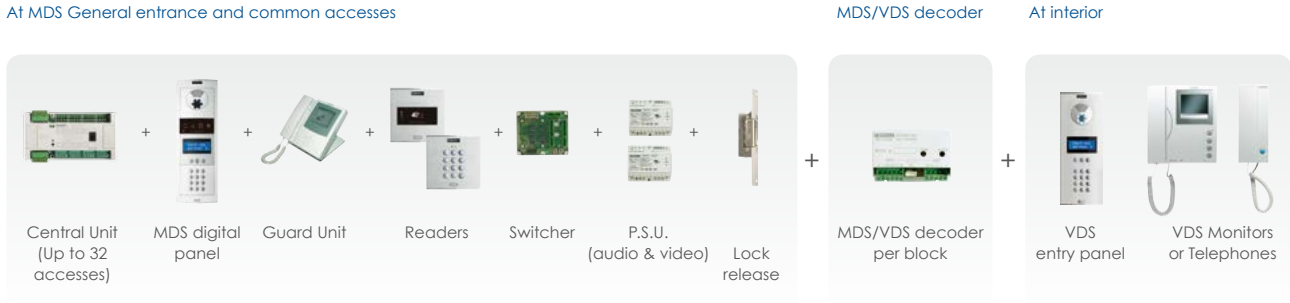
IN BIG SIZE BLOCKS INSTALLATIONS

In large interior blocks with several terminals in each floor where specific functionalities are demanded, a MDS/VDS Decoder ❸ is required per floor.

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

VDS telephones & monitors are required.

VDS   Apartments   VDS

Proximity reader

MDS Bus ❶

Entrance 1st block   General Entrance (CENTRAL UNIT)   Entrance 2nd block

Integrated services: control and management of accesses, in lifts, automations, security systems.

RF receiver for garage entrance.
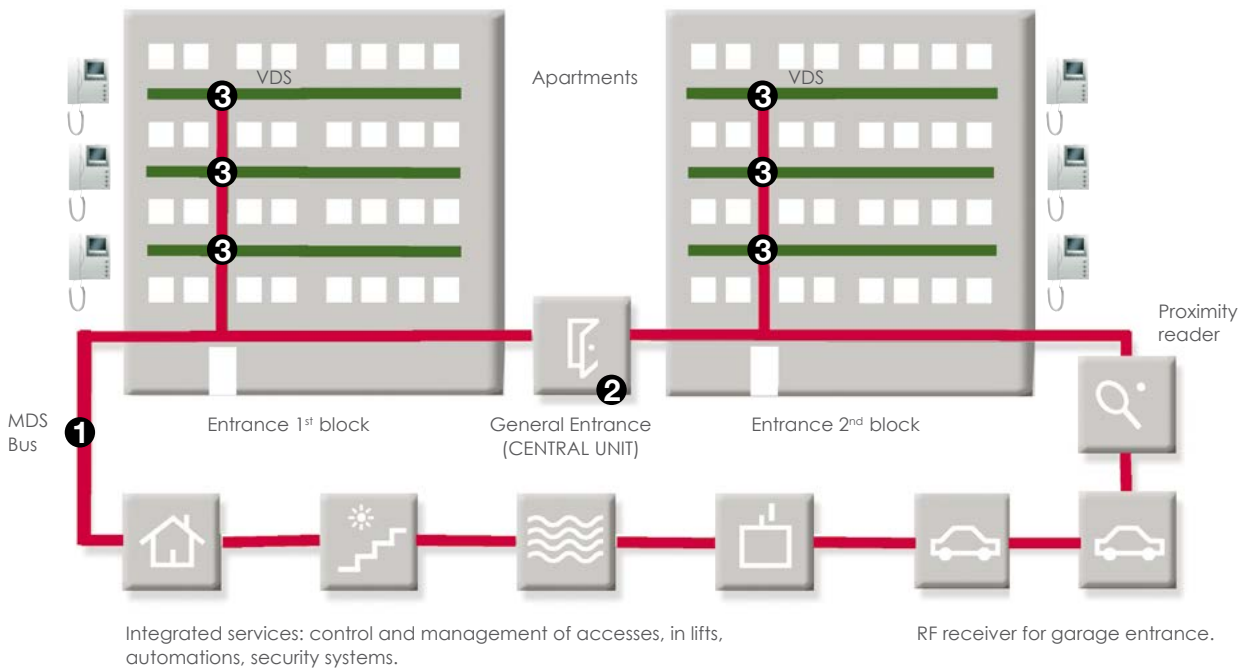
MDS/VDS Digital system with large size interior blocks basically consist of the following elements:

At MDS General entrance and common accesses | Access to building | At interior per floor

Central Unit (up to 32 accesses) + MDS digital panel + Guard Unit + Readers + Switcher + P.S.U. (audio & video) + Lock release

+ C.U. (up to 32 accesses) — VDS entry panel

+ MDS/VDS decoder by floor — VDS Monitors or Telephones

MDS
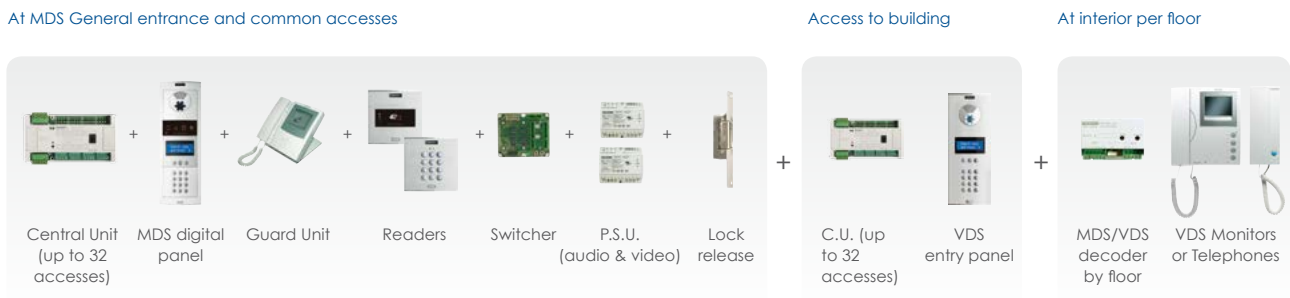
FEATURES

• TCP/IP system.

• Allows users to manage from small systems to large installations:

  - A virtually unlimited number of monitors can run under one LYNX installation.

  - Unlimited distances from end to end of and installation.

  - Multichannel for conversations and data flows, which unlimited capacity.

• Easy and simple installation with the maximum robustness:

  - Power over Ethernet (PoE) simplifies the installation.

  - LYNX can be integrated into existing local area networks. LYNX employs structured cabling system (SCS), and standard network equipment with network convergence.

  - Blackout free. SIP peer to peer distributed architecture allows independent operation for each device, without the need for a centralized server.

  - Upload configuration from an SD card makes installation a basic, straightforward process without any need for complicated training.

• Compatible with home automation systems.

• Simple access control included.

• Easily expandable.
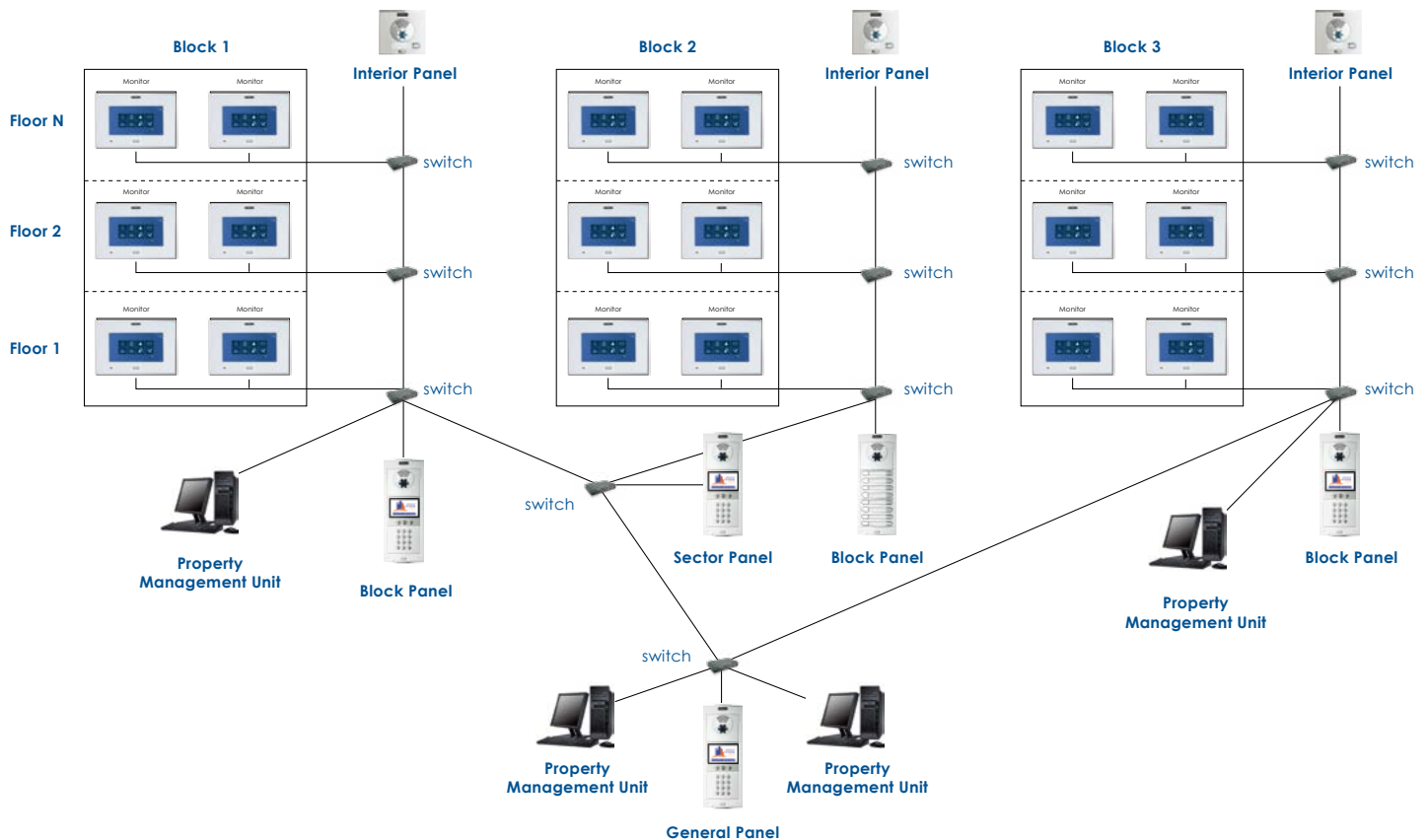
LYNX SYSTEM

A complete LYNX system consist of the following elements:

Accesses | Building (by floors) | Home | Accessories

Panel + PC + Power supply + Switch + Lock release + Switch + Monitors + Relay decoder

(Consult availability).

1. OUTDOOR PANEL

• COLOUR CAMERA.

• The LYNX amplifier includes a *Voice Synthesizer* as standard. A messages is reproduced when the lock-released is activated: *"The door is open. Please, close the door behind you"*. Configurable in 32 languages.

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).

LYNX VIDEO MODULE

Video W
ref.1622

SKYLINE FRAMES

| Frame 1V ref.7341 | Series 1 130x128 | Frame 2V ref.7332 | Series 2 130x151 | Frame 3V ref.7333 | Series 4 130x199 | Frame 4V ref.7334 | Series 5 130x246 | Frame 5V ref.7335 | Series 6 130x294 | Frame 6V ref.7336 | Series 7 130x341 | Frame 7V ref.7337 | Series 8 130x389 | Frame 8V ref.7338 | Series 9 130x436,5 |

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

LYNX DIGITAL MODULES

Direct keypad W
ref.7457

Lynx Display W
ref.1623

INFORMATIVE MODULES

Cardholder W
ref.7445

Cardholder V
ref.7444

ACCESSORIES

Metallic complement W
ref.7443

Metallic complement V
ref.7442

STAND-ALONE ACCESS CONTROL

Keypad W
ref.7438

Proximity V
ref.7440

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.8856. Flush box S6. 115x280x45
ref.8852. Flush box S2. 115x138x45	ref.8857. Flush box S7. 115x328x45
ref.8854. Flush box S4. 115x185x45	ref.8858. Flush box S8. 115x375x45
ref.8855. Flush box S5. 115x233x45	ref.8982. Flush box S9. 115x420,5x45

If the configuration needs an access reader connected with the panel, a connection cable between them (ref.2545) is required.

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

FERMAX **LYNX** SYSTEM

CITY PANEL

| 1625 | 1/W LYNX CITY PANEL |

Panel S1: 130x128 / Kit flush box S1: 115x114x45.

ref.1625

MARINE PANEL
Marine panels are supplied with flush box:

5484	1/W LYNX MARINE PANEL ST1
5485	LYNX DIGITAL MARINE PANEL ST3
5486	LYNX DIGITAL MARINE PANEL ST4 WITH PROXIMITY

Panel ST1: 150x180   Flush box: 130x160x55
Panel ST3: 150x360   Flush box: 130x340x55
Panel ST4: 150x460   Flush box: 130x460x55

ref.5484   ref.5485   ref.5486

2. POWER SUPPLY

| 4813 | AUDIO POWER SUPPLY 12Vdc/2A |

A power supply is required for each outdoor panel.
DIN6 format.

ref.4813

3. LOCK RELEASE

For more information about door locks, see current lock release catalogue.

| 3070 | LOCK RELEASE 450-412-S |

Normal operation and short shield.

| 30708 | LOCK RELEASE 450-412-S MAX |

Normal operation and short shield. 12Vdc.
MAX version.

Consumption Series 450		
N-412	12Vdc	400mA

4. MONITORS

VIVO

| 1620 | VIVO MONITOR |

Dimensions: 233x164x20.

| 1605 | VIVO CONNECTOR |

ref.1620

LYNX

5. ACCESSORIES

1610 LYNX PROPERTY MANAGEMENT UNIT

The Property Management Unit is LYNX's software application which allows management of communications, security and comfort in buildings. It is intuitive. A developing guard which configures functions of the system. It is prepared for use by means of a PC touch screen or with a conventional keypad.

It operates using three user profiles:
- **Installer profile (configuration):** Easy, quick and adaptable. LYNX allows for a great variety of settings to customise function and performance to the specific needs of each residence.
- **Administrator profile (maintenance):** Property Management Unit offers administrators straightforward and intuitive command protocols to manage system passwords, user-privilege settings and to create or delete guard profiles.
- **Guard profile (operation):** Comprehensive, easy to use and dependable. Property Management Unit guards the information and tools they need to provide first-class attentive service, protection and support to the most demanding of residents.

Depending on the circunstances, the Property Management Unit offers three operating modes:
- **Full service:** All calls from panels to units are forwarded to the assigned Property Management Unit for filtering.
- **Home service:** Visitors can call both the apartment or the PMU.
- **Off service:** When guards are absent calls can be forwarded to others on duty. Supplies multifunction services: communication with homes, message service, event recording, protection using CCTV cameras, lift control…

1615 MASTER LYNX RELAY DECODER

1616 10-WAYS LYNX RELAY DECODER

NOTE: LYNX requieres a local area network. A switch is required. The system is compatible with most of the switches (preferably with PoE and QoS support).
No need for any special configuration for LYNX.

1617 SWITCH LYNX (4 PoE +4)

1618 SWITCH LYNX (8 PoE +8)

ref.1615

ref.1616

6. INTEGRATION WITH OTHER SYSTEMS

LYNX provides users freedom of choice through existing technologies and home automation systems. This system offers synergy through unlimited solutions which support integration, interaction and compatibility with other systems.

FERMAX

ACCESS CONTROL

STAND-ALONE
CENTRALIZED

STAND-ALONE ACCESS CONTROL

Stand alone systems allow control of doors or other accesses. 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.

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).

7438	SKYLINE MEMOKEY MODULE W

Accessory for SKYLINE panels.

3610	CITY CLASSIC MEMOKEY READER

4699	MARINE MEMOKEY READER

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

4540	LOFT MEMOKEY

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

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).

Vac 2

ref.4800   ref.6991
            Vac
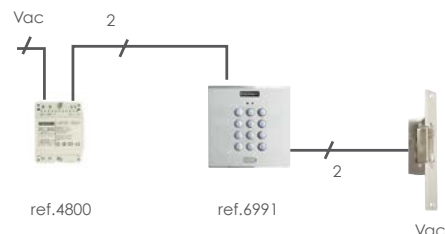
ref.6991   ref.7438

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

ref.4699   ref.4540

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

230 Vac 2

ref.4800   ref.6992
(12Vac/1,5A   Vac
recommended)

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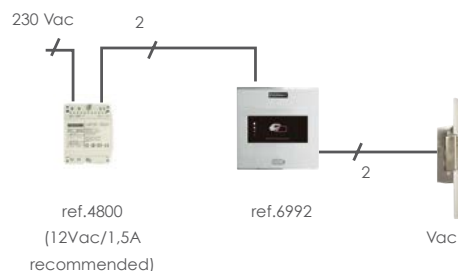
ACCESS CONTROL

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
2336	PROXIMITY CARD W/MAGNETIC STRIP
44501	PROXIMITY KEYRING

ACCESSORIES

2306	PRIVATE PROGRAMMING KEYPAD

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   ref.2336   ref.44501   ref.2306

Customizable

3. BLUETOOTH

Enables users 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).

7441	SKYLINE BLUETOOTH MODULE V

Accessory for SKYLINE and CITYLINE panels.

5473	MARINE BLUETOOTH READER

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

Vac

230Vac

ref.4800
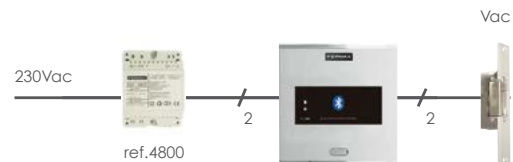
ref.6993

ref.6993

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

ref.7441   ref.5473

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

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

4. 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 dimmensions, so it can be hidden in distribution boxes. Dimensions: 90x60x20.

24651   DIGITAL RF REMOTE CONTROL

With 1 unique code by transmitter.

ref.7960   ref.24651

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

ACCESS CONTROL

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.

AC Access sofware

| 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.
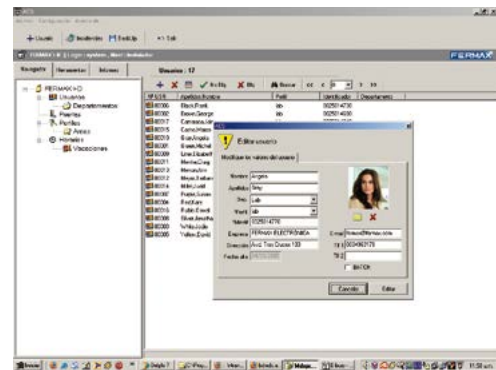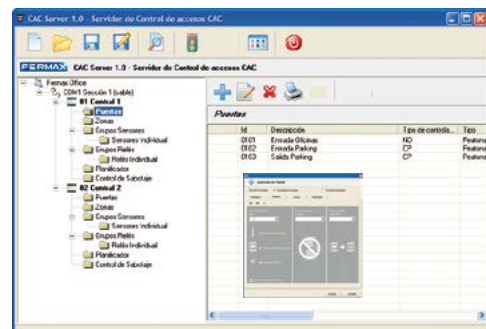
AC Server sofware

4813 POWER SUPPLY 12VDC/2A. DIN6

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

2060 BATTERY ADAPTOR 12VDC

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

2339 MDS REPEATER

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

ref.4813

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.
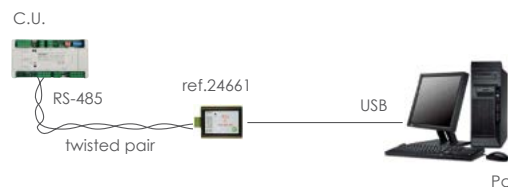
1087 IP REMOTE MANAGEMENT MODULE

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.

C.U.
RS-485   ref.24661   USB
twisted pair   Pc

C.U.   ref.2466   ref.1087
3   RJ-45   RJ-45
RS-232   IP
2   Pc
twisted pair
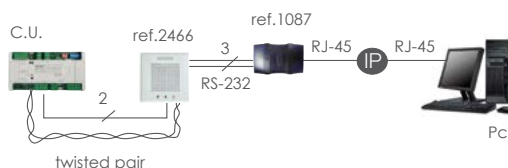
FIBER OPTIC ACCESSSORIES

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.

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

ACCESS CONTR.

ACCESS CONTROL

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

ACCESSSORIES

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

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

ref.4420

ref.6992

ref.6995

ref.6993

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

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

7440	SKYLINE PROXIMITY READER V
7441	SKYLINE BLUETOOTH READER V

ref.7440

ref.7441

5472	MARINE PROXIMITY READER
5473	MARINE BLUETOOTH READER

ref.5472

ref.5473

Reader dimensions:
(ST1) 150x180
Flush box dimensions:
(S1) 130X160X55 (ref.4641)

4560	LOFT PROXIMITY READER
4550	LOFT PROXIMITY/KEYPAD READER

ref.4560/ref.4550
Surface

Loft reader dimensions:
60x130

IDENTIFIERS

23361	PROXIMITY CARD WITH STRIP
2336	PROXIMITY CARD WITH MAGNETIC STRIP
44501	PROXIMITY KEYRING

ref.23361
Customizable

ref.2336

ref.44501

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

ACCESS CONTR.

FERMAX

TECHNICAL INFO

PROJECTS
DIAGRAMS

Nº APART.	SERIES	FRAME	REF. FRAME	FLUSH BOX	JOIN. BOLTS ref. 8829	CA-BLE ref. 2541	COL. VIDEO ref. 7421	201 ref. 7376	202 ref. 7372	204 ref. 7371	COMPL. V ref. 7442	COMPL. W ref. 7443	POWER SUPPLY ref. 4830	4 WAYS DISTRIB. ref. 2449	MONITOR ref.3305 COLOUR	CONNECTOR 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	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			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.

DISPLAY VDS REF.7421   DISPLAY KEYPAD REF.7447

Nº APART.	SERIES	FRAME	REF. FRAME	FLUSH BOX	JOIN. BOLTS	CA-BLE	COL. VIDEO	201	202	204	COMPL. V	COMPL. W	POWER SUPPLY	4 WAYS DISTRIB.	MONITOR	CONNECTOR
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.

DUOX AUDIO (SKYLINE) 2 wires DUOX

SKYLINE PANEL															
Nº APART.	SERIES		FRAME	FLUSH BOX	JOINING BOLTS	CABLE	AMPLI-FIER	201	202	204	WITHOUT PUSH. V	WITHOUT PUSH. W	POWER SUPPLY	LINE TERMINAT.	TELEPHONE
			ref.	ref.	ref. 8829	ref. 2451	ref. 7390	ref. 7376	ref. 7372	ref. 7371	ref. 7442	ref. 7443	ref. 4830	ref. 3255	ref. 3420
2	S4	3V	7333	8854			1	1					1	1	2
4	S4	3V	7333	8854			1		1				1	1	4
6	S5	4V	7334	8855			1	1	1				1	1	6
8	S5	4V	7334	8855			1			1			1	1	8
10	S6	5V	7335	8856			1	1		1			1	1	10
12	S6	5V	7335	8856			1		1	1			1	1	12
14	S7	6V	7336	8857			1	1	1	1			1	1	14
16	S7	6V	7336	8857			1			2			1	1	16
18	S8	7V	7337	8858			1	1		2			1	1	18
20	S8	7V	7337	8858			1		1	2			1	1	20
22	S9	8V	7338	8982			1	1	1	2			1	1	22
24	S9	8V	7338	8982			1			3			1	1	24
24	S5	4V	7334x2	8855x2	1	1	1			3			1	1	24
26	S6	5V	7335x2	8856x2	1	1	1	1	2	2	1		1	1	26
28	S6	5V	7335x2	8856x2	1	1	1		1	3	1		1	1	28
30	S6	5V	7335x2	8856x2	1	1	1	1	1	3			1	1	30
32	S6	5V	7335x2	8856x2	1	1	1		2	3			1	1	32
32	S7	6V	7336x2	8857x2	1	1	1			4		1	1	1	32
34	S7	6V	7336x2	8857x2	1	1	1	1		4	1		1	1	34
36	S7	6V	7336x2	8857x2	1	1	1		1	4	1		1	1	36
38	S7	6V	7336x2	8857x2	1	1	1	1	1	4			1	1	38
40	S7	6V	7336x2	8857x2	1	1	1			5			1	1	40

*NOTE: A DC electric lock (ref.30708) is required. 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.

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 T₂ DUOX LOFT telephone (ref.3420).

CABLE	D1 (max) meters	D2 (max) meters	Telephones per apartment
PARALLEL CABLE 2 x 1 mm²	120m	350m	1
	120m	200m	2
	120m	120m	3
MULTIFILAR Cable 0,5 mm²	60m	200m	1
	60m	100m	2
	60m	60m	3
UTP CAT5	30m	90m	1
	30m	45m	2
	30m	30m	3

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 LOFT telephone (ref.3420).

CABLE	D1 (max) meters	D2 (max) meters	Telephones per apartment
PARALLEL CABLE 2 x 1 mm²	120m	350m	1
	120m	200m	2
	120m	120m	3
MULTIFILAR Cable 0,5 mm²	60m	200m	1
	60m	100m	2
	60m	60m	3
UTP CAT5	30m	90m	1
	30m	45m	2
	30m	30m	3
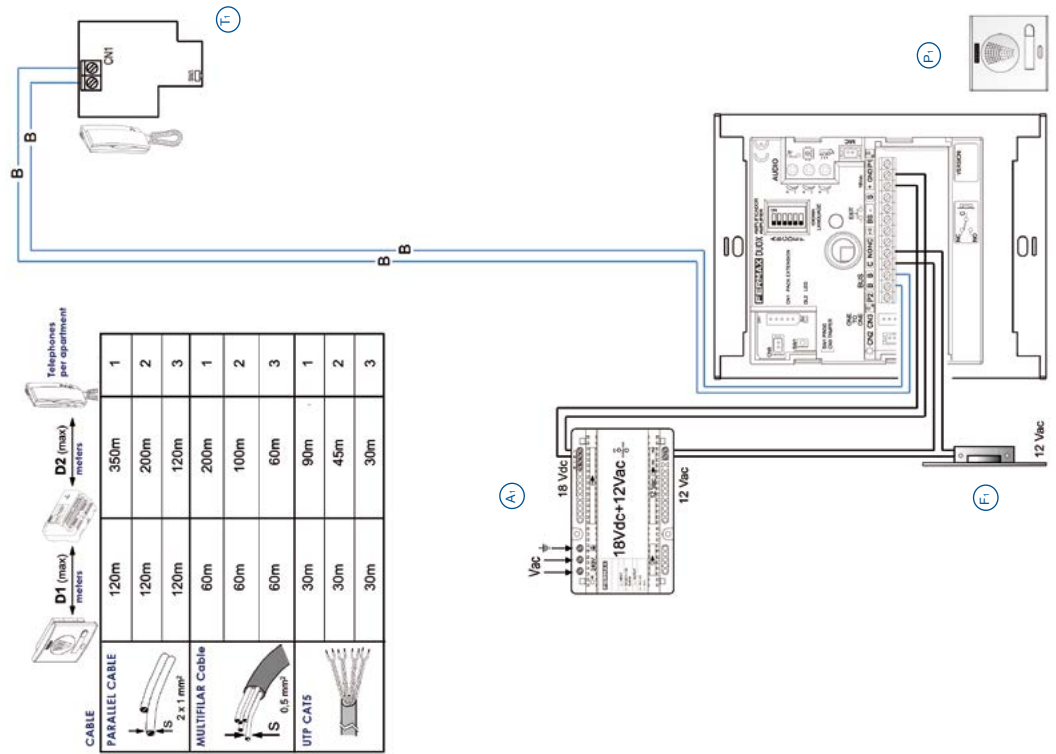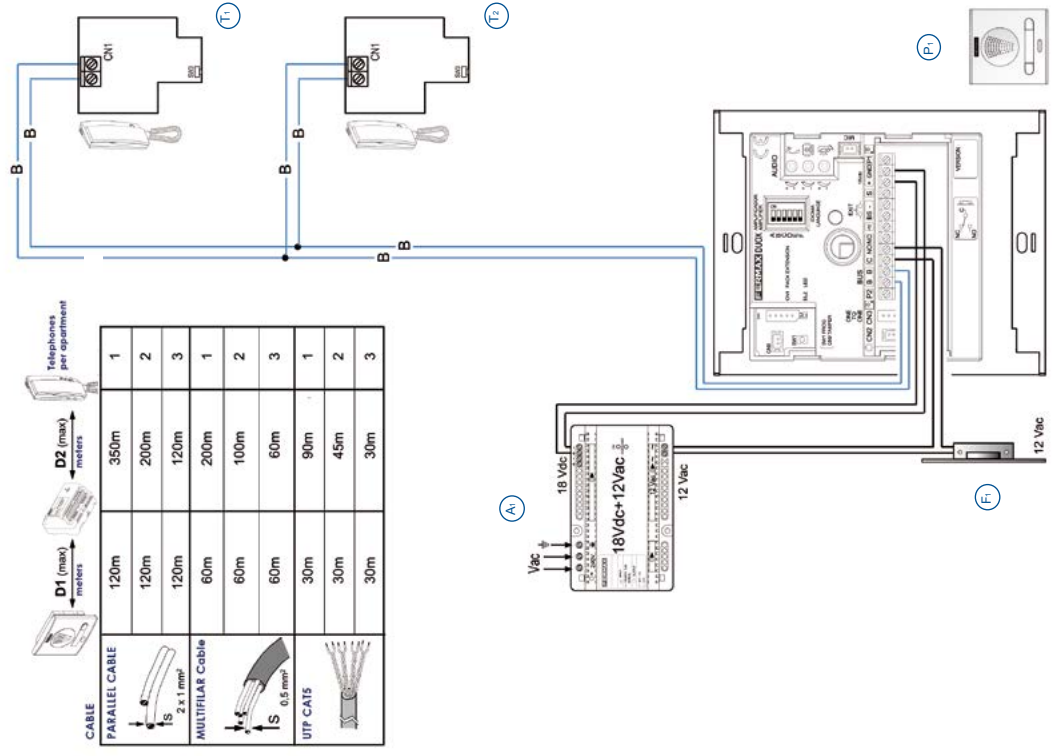
DIAGRAMS: DUOX AUDIO

1 ACCESS AUDIO DUOX WITH CITYLINE PANEL

- (P₁) DUOX CITYLINE panel.
- (F₁) Electric lock 12Vac (ref.3071).
- (A₁) Power supply 18Vdc + 12Vac (ref.4810).
- (D₁) DUOX power supply adaptor module (ref.3243).
- (T₁) (Tₙ) DUOX LOFT telephone (ref.3420).
- (E₁) Call extension module.
- (L₁) DUOX line termination (ref.3255).

FERMAX   DIAGRAMS: VDS VIDEO

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

- Ⓟ₁ SKYLINE or MARINE panel.
- Ⓕ₁ Lock release 12Vdc (ref.3070).
- Ⓐ₁ Power supply 18Vdc (ref.4830).
- Ⓓ₁ 2-ways video distributor (ref.2448).
- Ⓜ₁ Ⓜ₆ B/W Loft monitor (ref.3311) or Colour (ref.3305) + VDS connector (ref.3314).

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.
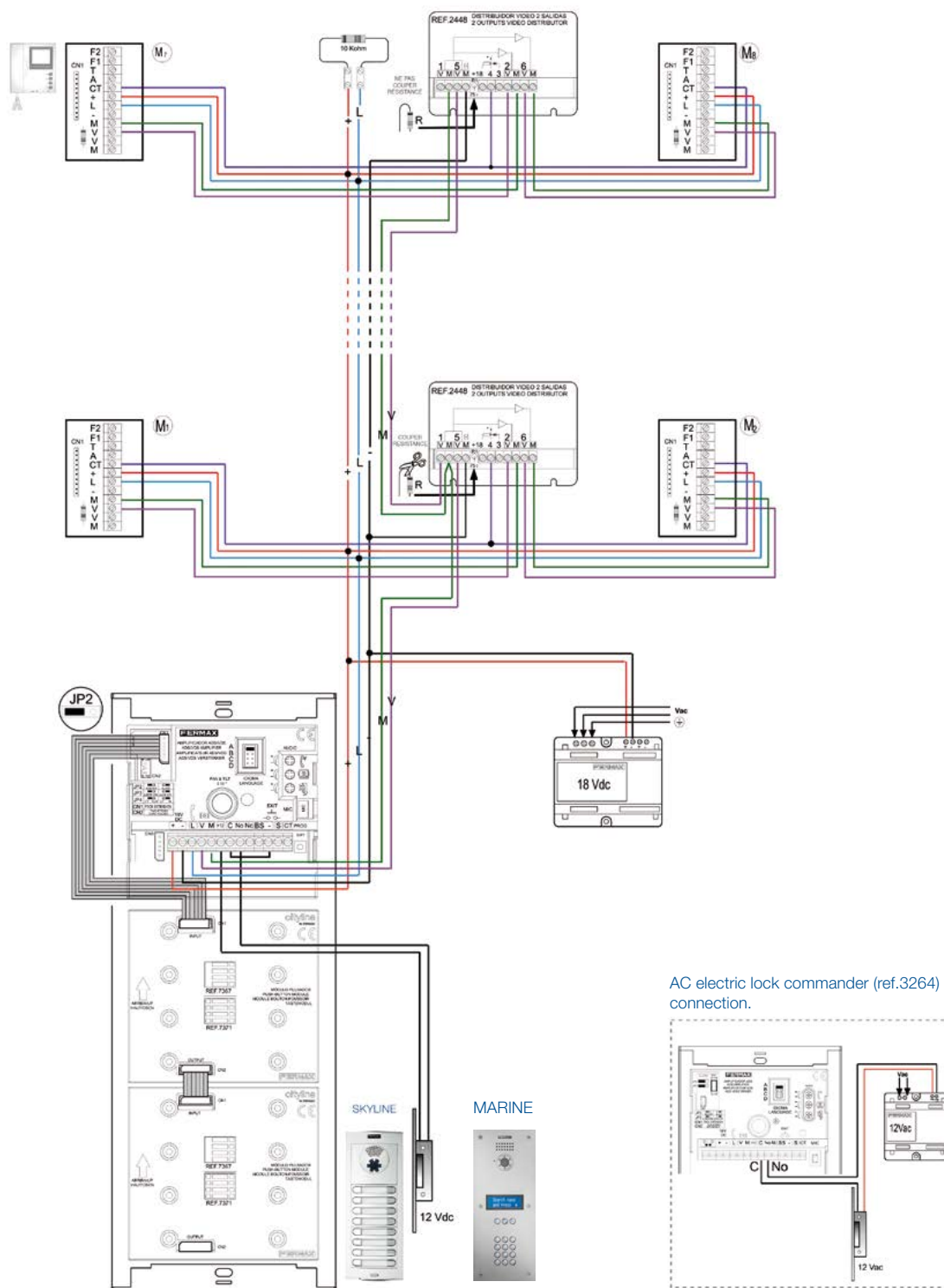
DIAGRAMS: VDS AUDIO

1 ACCESS VDS AUDIO WITH SKYLINE OR MARINE PANEL.

- (P₁) Skilyne or Marine panel.
- (F) 12Vdc door lock (ref.3070).
- (A) 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.

10 KOhm

F1 F2 + - L A T

18 Vdc

SKYLINE

MARINE
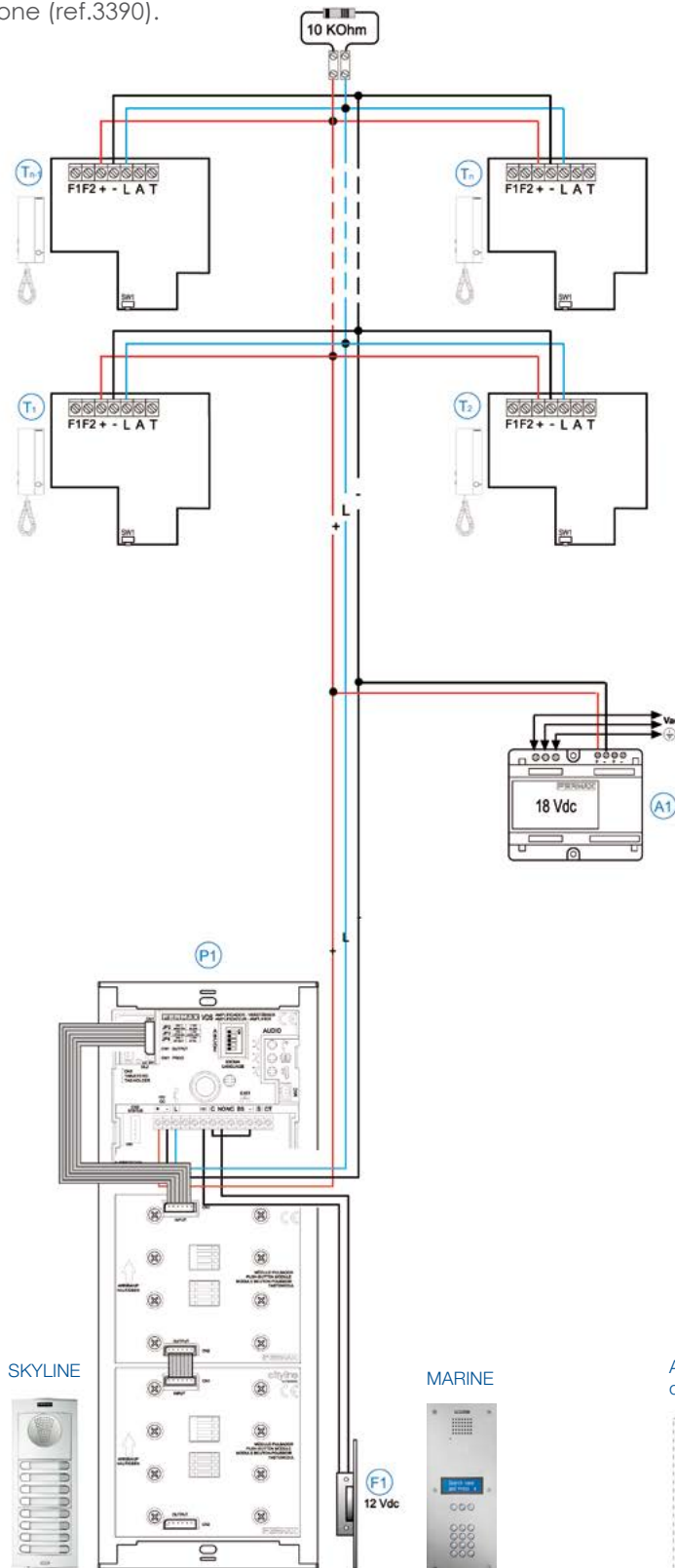
AC electric lock commander (ref.3264) connection.
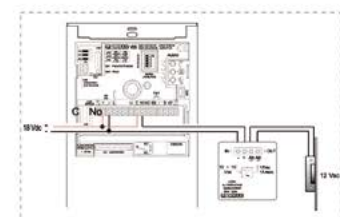
1 ACCESS 4+N AUDIO WITH SKYLINE/CITYLINE CLASSIC PANEL

(P₁)   SKYLINE/CITYLINE CLASSIC panel.

(F₁)   Door lock release 12Vac (ref.3071).

(A₁)   Power supply 12Vac (ref.4800).

(T₁) (Tₙ)   Loft telephone (ref.3393).

meter	model	mm2	AWG	mm2	AWG
0 - 100	3 - 300	0,5mm²	20	1 mm²	17
100 - 300	300 - 900	1 mm²	17	1 mm²	17

SKYLINE

CALLS to the call terminal (4) of each telephone

CITYLINE CLASSIC

UNIVERSAL AMPLIFIER
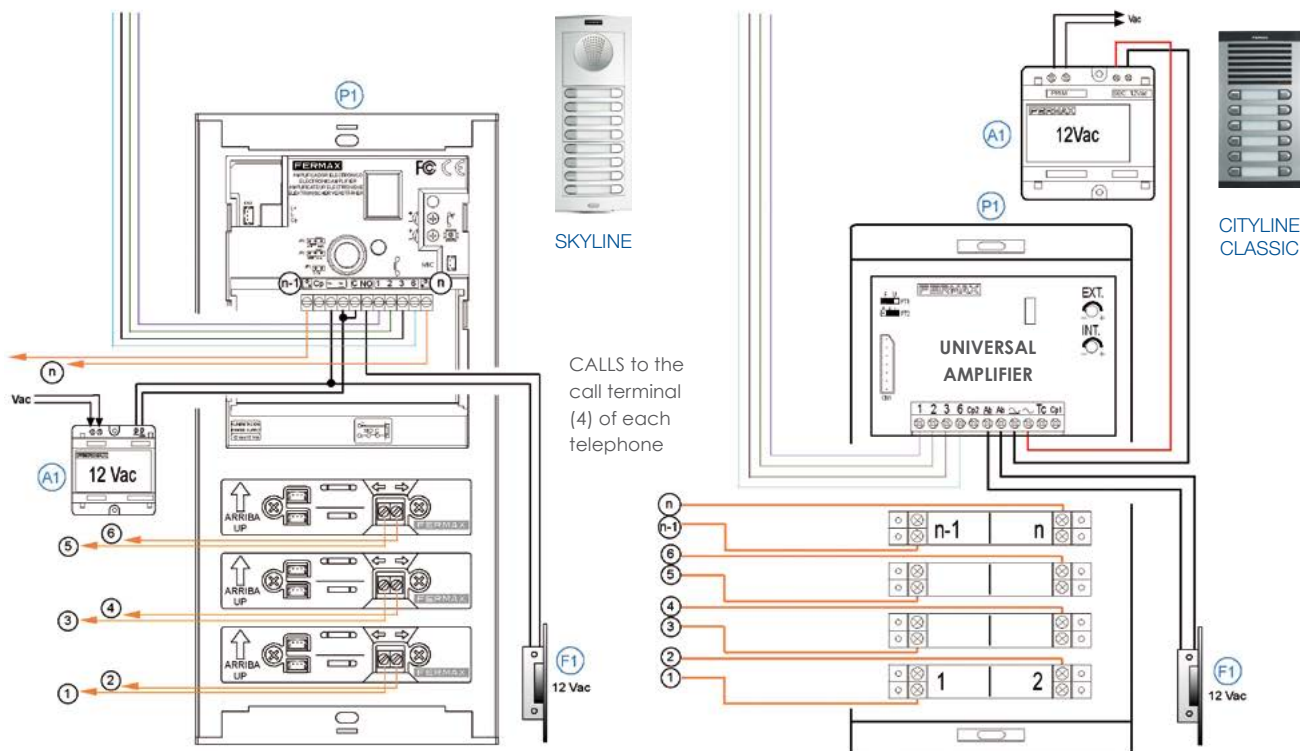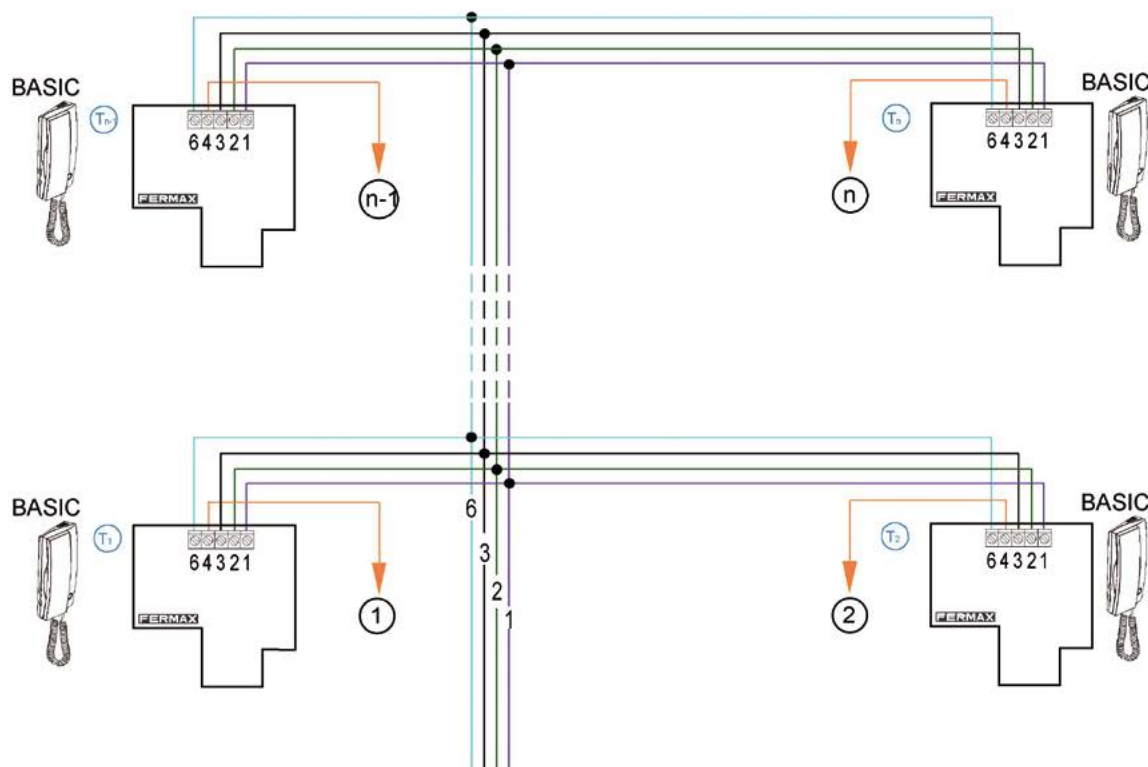
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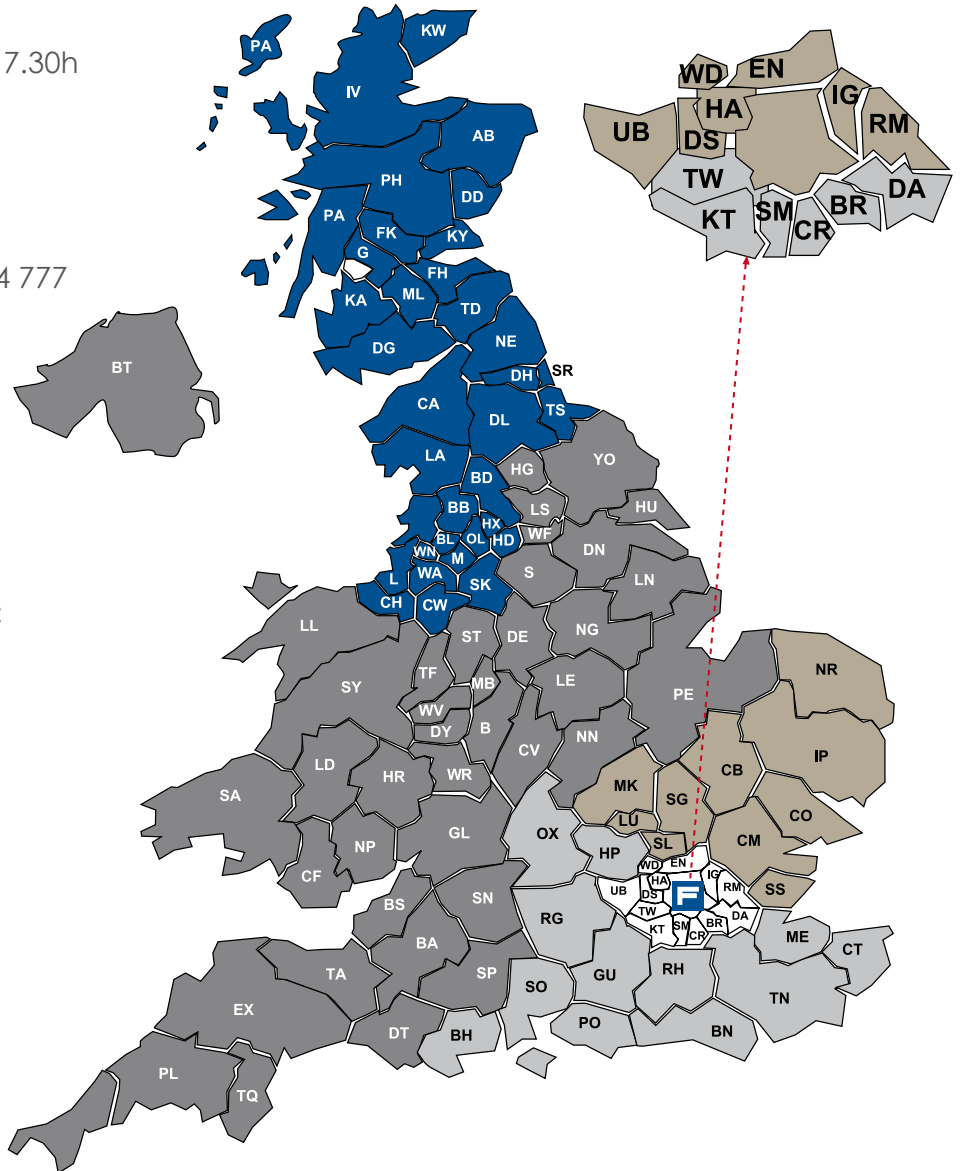FAX: 01277 634 666
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Our customers are professionals with whom we intend to establish long lasting bonds based on confidence and trust.

Our evolution has not made FERMAX forget its family business roots. We know that a company is first and foremost, a family. With a good team, FERMAX can offer more to our customers.

Our mission/commitment is to guarantee your satisfaction.

• Quick deliveries
• Quotations within 24 hours.
• Free technical help line.
• Dynamic and professional telephone assistance to solve problems.
• Customized diagrams adapted to your installation.
• Excellent post sales service.
• Personalized commercial or technical training intended for installers and distributors.
• Product presentations and training from our commercial team.

GENERAL

These general conditions shall apply to all contracts entered into by FERMAX UK Ltd. for the sale of goods and shall extend to any goods supplied in substitution or in addition to the contract goods.

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.

QUOTES

Prices are valid for 30 days from date of quotation.

ORDERS

Orders bellow £400 net will be subject to a carriage charge of £10.50.

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. 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.
3. 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 an the Company.
4. The Buyer shall be responsible for arranging insurance on goods collected by their own carriers.
5. 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.

JURISDICTION

Any contract entered into by FERMAX UK shall be governed and constructed under English Law and the Buyer shall submit to the jurisdiction of the English Court. Otherwise agreed in writing.

FERMAX reserves the right to modify these commercial conditions of sale, as well as the prices of the Products. The technical and aesthetic characteristics of the Products may be modified from time to time. The graphic representations included are merely for illustrative purposes. FERMAX ® is a registered trademark. All intellectual property and license rights reserved.

FERMAX