FERMAX

BUILDING COMMUNICATIONS

GENERAL CATALOGUE

2015 / 2016

DESIGN
Fermax Electrónica S.A.U.

2015/2016 GENERAL CATALOGUE
1st Edition. May 2015

FERMAX

www.fermax.co.uk

FERMAX

BUILDING COMMUNICATIONS

Fermax is a company with Spanish origin specialized in designing, manufacturing and commercializing audio and video door entry systems, with its Headquarters based in Valencia, Spain.

Founded by Mr. Fernando Maestre in 1949, Fermax has always encouraged creativity and enterprising spirit to develop the most innovative advance communications system solutions for the building.

Fermax, throughout its 65 year history, has known how to develop its cutting-edge products, while keeping the essence of its corporate identity unchanged. The values of specialization and a family business, along with a passion for technology and design, have guided the firm to its prominent positioning among the world's most important brands.

With a decisive customer focus, the team is proud to transmit the Fermax values in the 15 countries where the company has its own subsidiaries or representative offices, as well as in the rest of the 70 countries where Fermax products are sold through a well-established network of distributors.

Palm Jumeirah **DUBAI-UAE**

Eureka Tower **MELBOURNE-AUSTRALIA**

Torres Isozaki **BILBAO-SPAIN**

Reflections **SINGAPORE**

King Abdullah Financial D. **ARABIA SAUDI**

Millenium Tower **VIENNA- AUSTRIA**

Today, the company continues to work towards facing future challenges, creating new communication lines and making the video entry system the technological heart of the home. The inclusion in our portfolio of new lines of business such as fully digital video entry systems, home automation or energy-efficient solutions enables the company to supply the most complete range of products to meet the specific needs both of professional client and end-users. And always under the firm commitment to being an excellent company in the sector, setting the highest quality standards for both products and processes.

Participation in benchmark projects worldwide is the main guarantee of success for Fermax over the years. They make up our past and present, and will continue to be our paradigm in the future.

FERMAX UK Ltd

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 18 years, has become one of the leading brands in the UK door entry market.

Etihad Towers **ABU DHABI- EAU**

Capital Group **MOSCOW-RUSSIA**

Trafalgar Place, **LONDON, UK**

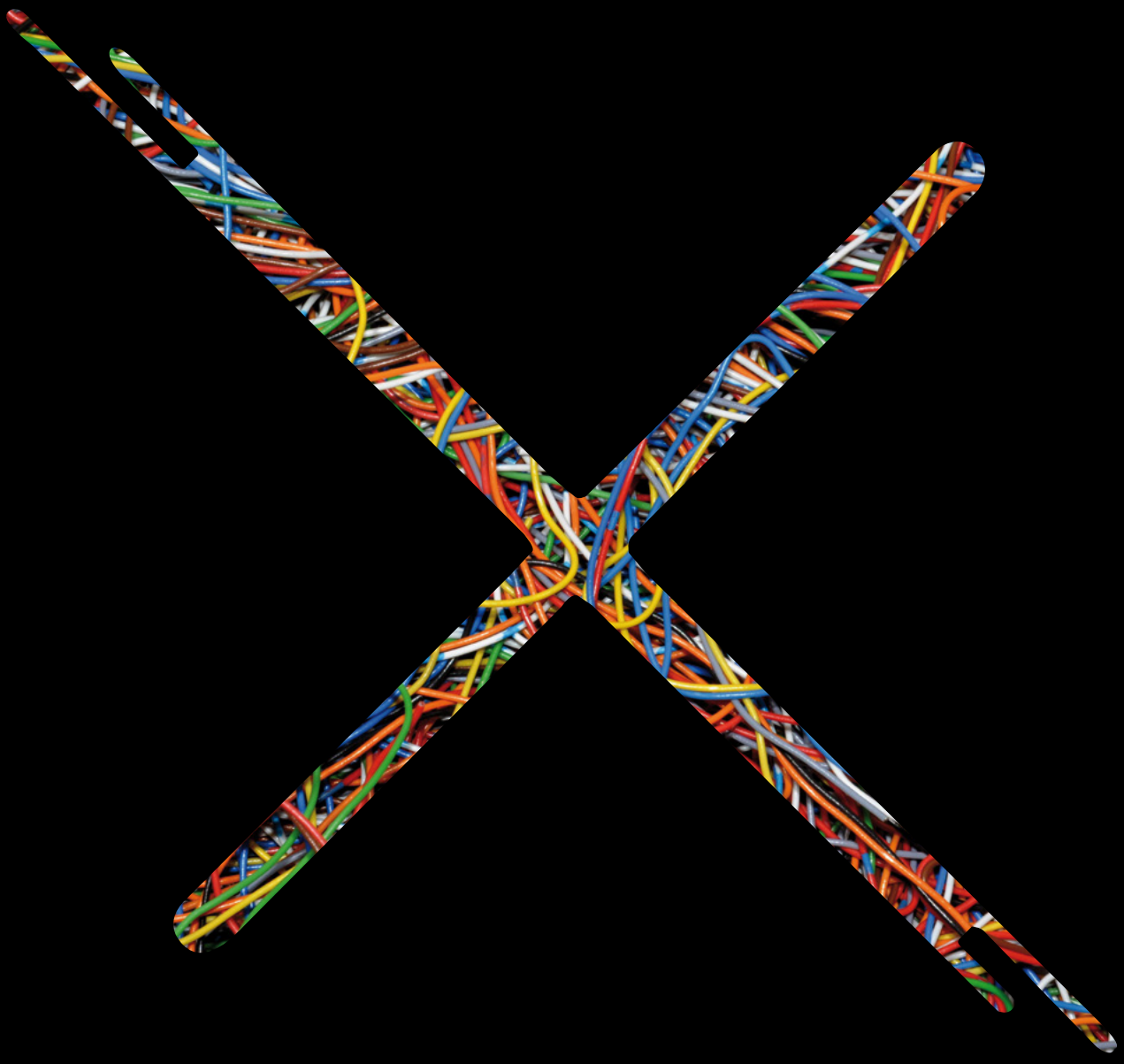
One 57 **NEW YORK - USA**

Central Park **MEXICO DF - MEXICO**

Folkart Towers **TURKEY**

DUOX

SMART SYSTEM



NEW PRODUCTS

FERMAX

DUOX SMART SYSTEM

LYNX: CALL DIVERTER APP AND VIVO IN DIFFERENT COLOURS

WAY KIT

DOMINIUM PACKS

NO MORE TANGLES,
INCOMPATIBLE CONNECTIONS AND IMPOSSIBLE INSTALLATIONS.
WITH DUOX IT COMES EASY.
THE NEW, THE

REVOLUTIONARY

DUOX by FERMAX
SMART SYSTEM

DUOX

Changes everything

DUOX IS THE FIRST FULL DIGITAL AUDIO AND VIDEO DOOR ENTRY SMART SYSTEM IN 2-WIRE NON POLARIZED TECHNOLOGY.
IT IS THE WORLD'S MOST TECHNOLOGICALLY ADVANCED SYSTEM AND EXCEEDS ALL EXPECTATIONS. BECAUSE IT MAKES THE DIFFICULT EASY.

It is a technological revolution destined to change our notions of audio and video door entry systems. Because it provides better performance and capacities, greater simplification and speed. But above all, because it takes us to a new dimension, where information (audio, video, data) becomes digital material which is transported using just two non-polarized wires.

With DUOX something more than a new video entry system reaches homes. With DUOX today, we are installing THE FUTURE.

FULL DIGITAL. SMART SYSTEM
LIMITLESS CAPACITIES. ALL TYPES OF INSTALLATION
FOR ALL. YOU CHOOSE THE WIRING
BASIC WIRING, SIMPLIFIED INSTALLATION AND VOICE-GUIDED PROGRAMMING
FOR SPECIALIST COMPANIES
THE USER DECIDES THE EQUIPMENT
DIGITAL PLATFORM. TECHNOLOGICAL INFRASTRUCTURE

VIVO™

by FERMAX

For LYNX, the most cutting-edge TCP/IP technology system, FERMAX has created **VIVO**, the video entry monitor with capacitive touchscreen that becomes the **technological interface of the home.** VIVO manages the communication, security and comfort of the world's most prestigious residential complexes.

AN EXCLUSIVE SPACE

White

Black

Silver

LYNX

PERFECTLY INTEGRATED TECHNOLOGY

Always connected to VIVO. From any tablet or mobile device, VIVO allows to control the apartment door from any place in the world.
By incorporating a LYNX router in the installation, **calls received at the door entry panel can be diverted to mobile devices,** where the user can view the visitor's picture, set up communication with them and, if desired, open the door.

IP VIVO Monitor

Installation for this application is stand-alone, without affecting any other apartments in the building. Once installed, the VIVO monitor works normally, so the call can be answered directly... If there is anybody at home.

If no one is at home, the visitor doesn't know, as the call is diverted to the resident's mobile device anywhere in the world. All they will need is a 3G or Wi-Fi connection to receive it.

VIVO with call diverter through the FERMAX LYNXed APP. Free App. Available in Apple Store, Play Store and Windows Store.

LYNXed FERMAX

FERMAX Way Kit

Choose among **20 different melodies,** customize the monitor's settings, **record videos and capture images** of your visits and all of this in **a single Kit!**

PLUG&PLAY. The monitor and the door entry panel are already programmed and ready for installation!

THE OUTDOOR PANEL. The Way kit includes a video door entry panel made of zamak metal with high sensitivity colour CCD camera as standard. **Surface installation.**

THE MONITOR. A digital 7" TFT colour monitor with capacitive touch screen that facilitates an intuitive use.
3 shortcut buttons for a quick access without using the screen.

Kits for 1 & 2 residences

Technology: 2 wires non-polarized

Do it your Way

Intercom

Establish communication with other installed monitor inside the house.
In the 2 apartments kit
the option to call to another apartment is available as well.

Playback

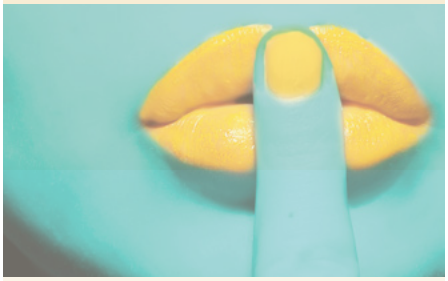
After 3 seconds the monitor automatically records a video (in case there is a micro SD Card installed) or a picture (in case there isn't) of the visitors. While answering, you also have the option to manually take a snapshot of your visit. The recorded videos/ pictures from the outdoor panel will be played on the screen.

Settings

Brightness, contrast, selection of melodies, date & time, scene mode (brightly, soft and user), ring volume for day time and night time, language selection (16 different), etc.

Do not disturb

Take your time to relax.
Activate the Do not Disturb in
1 HOUR, 8 HOURS or ALWAYS.



Call record

All the calls from panel-to-monitor, monitor-to-monitor and between monitors will be recorded and can be reviewed afterwards.

Call record		01/08
06-23	15:22	Neighbour
06-18	20:54	Outdoor Panel
06-12	21:43	Neighbour
05-29	13:16	Inner call
06-18	21:43	Outdoor Panel

Touch screen

Digital TFT colour monitor with capacitive touch screen that facilitates an intuitive use.
3 shortcut buttons for a quick access without using the screen.

dominium

FERMAX home management

HOME MANAGEMENT INTEGRATED IN YOUR VIDEO DOOR ENTRY SYSTEM

DOMINIUM is the line FERMAX has created to furnish the market with a robust and flexible **home automation system** designed specifically for residential surroundings. Able to adjust to the simplest needs of a small apartment or the complex specifications of a large villa. Able to grow and change to continue to meet the needs of the user. And, of course, with the option of controlling the system from the video door entry system.

The **iLOFT DOMINIUM** monitor is available in HOME PACKS format ready for inclusion in any VDS installation. Three models for different needs:
-Security and well-being at home.
-Monitoring of electrical consumption.
-All energy consumption under control.

COMFORT
A PLACE TO FEEL AT HOME

COMMUNICATION
THE CONNECTED HOME

ENERGY MANAGEMENT
MOTORIZE. RATIONALIZE. PROGRAM

SECURITY
TECHNICAL AND PERSONAL PROTECTION

FERMAX IN YOUR HANDS

OUR WEB

In Fermax we want to make it really easy to find the solution that each customer is looking for at any time, from any device and any place.

www.fermax.co.uk has two very different environments: a corporate website and another professional area, supporting both end users and professionals.

As a professional, in this section you will find specific and useful technical information, whether you are an installer, distributor, architect or developer interior decorator or builder:

- Technical specifications, installation configuration and management software.
- Catalogues, brochures and product photographs.
- Guides, manuals, courses and technical presentations.

And if you can't find what you're looking for, you can use our powerful search engine, which provides wide-ranging and structured information in response to the product or service sought.

DUOX WEB

www.duoxbyfermax.com is the Fermax website for end users, who can set up a communication channel where we present the advantages of DUOX as full-digital video door entry technology.

With DUOX, it is the user who decides which equipment or solution best suits their needs and from the web we will gradually incorporate all the new features, applications and products we place at your disposal, as well as for professionals. With DUOX, we leave the door open to the future.

NEWSLETTERS

Fermax regularly publishes two circulars with all the latest company news:

Fermax Global News: Corporate newsletter with the latest technological developments, the best products, and the world's most prestigious installations or interesting marketing ideas.

Tech Channel: For true professionals with a purely technical profile, where you will discover the latest developments in the world of technology for video door entry systems.

FERMAX FOR REAL

FERMAX FOR REAL is the new free app from Fermax for mobile devices, so you can check how our products would look in your customer's home or your own office. Interact with them as though they were already installed. Thanks to its built-in Augmented Reality technology, everything is possible. Fermax for Real is a great tool in the sales process, as it minimizes the customary hesitation and indecision that crop up in owner communities. Because with this application and via a tablet or mobile you have all the Fermax solutions within your reach. You will have the most complete information on each product and be able to integrate a virtual image into a real one and then take a picture of the final result and save it or attach it along with the budget estimates, speeding up the decision-making process.

Available in:
Apple Store, Play Store and Windows Store.

FERMAX General Headquarters facade in Valencia, Spain

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KITS

FERMAX

VIDEO HOME-AUTOMATION **AUDIO**

NEW

FERMAX

VIDEO KITS

FOR INDIVIDUAL RESIDENCES AND SME'S

FERMAX way kit 2 wires

NON POLARIZED

Plug & Play

1401 1/W 2-WIRE WAY KIT

1407. 1/W video door entry panel with hood. Surface panel: 95x155x25.
1405. 7'' touch screen colour monitor
1410. Power supply.

1402 2/W 2-WIRE WAY KIT

The same as kit ref.1401 but with 2/W video panel (ref.1408) and two 7" monitors (one ref.1405 for 1st apartment and one ref.1406 for 2nd apartment).

FEATURES

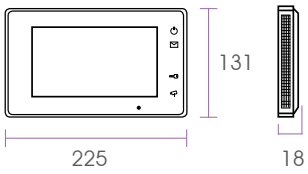
- 7'' touch screen monitor.
- Slim surface panel made of zamak. Hood included.
- Intercommunication between 2 monitors.
- Pictures capture.
- Video recording with a SD card (not included in the kit).
- Calls records.
- 20 melodies to choose.

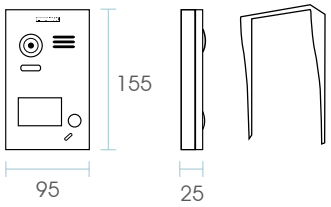
EXTENSIONS

The way kits admit a 2nd monitor in the apartment, without extra supply.
Only 2 wires are necessary between monitor 1 and monitor 2.

1405 7'' additional monitor 1/W way kit
1406 7'' additional monitor 2/W way kit

DIMENSIONS





DIAGRAM

REF.	DESCRIPTION	POWER SUPPLY	CABLE	SECTION	MAX. DISTANCE (panel-monitor)	EXTENSIONS w/o extra PSU
1401	1/W 2-WIRE WAY KIT	28VDC-2A (ref.1410)	Twisted cable	2x0,75mm² 2x1 mm²	120 m 160 m	1 monitor

Power-supply included in the kit limited for a 12Vdc 250mA door-lock.

FERMAX

VIDEO KITS

FOR INDIVIDUAL RESIDENCES AND SME'S

cityline

Technology

VDS

Stainless Steel Panel

4961 1/W VDS COLOUR CITY VIDEO KIT

48505. 1/W COLOUR VDS CITY panel and flush box.
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.

49627 2/W VDS COLOUR CITY VIDEO KIT

The same as in ref.4961but with panel ref.48515 and 2 monitors.

5432 1/W VDS COLOUR MARINE VIDEO KIT

The same as in ref.4961but with panel ref.54337.

EXTENSIONS

It is possible to install 1 additional monitor or 2 handsets without adding any power supply. For bigger extensions, extra PSU will be necessary.

3305 Colour VDS Loft monitor
3314 VDS Loft connector
3390 VDS Basic Loft telephone
3391 VDS Extra Loft telephone

The VDS VIDEO KITS can be extended with a 2nd access. A switcher module (ref. 2450) is necessary.

48505 1/W colour VDS video City kit panel
48515 2/W colour VDS video City kit panel
54337 1/W Marine VDS video panel

ACCESSORIES

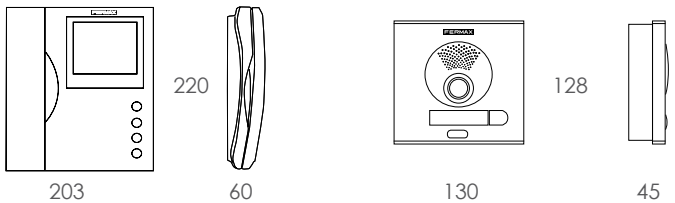
Citykits
8851 Flush box S1: 115x114x45
7061 Surface box S1: 130x128x33
9191 Decorative frame S1: 211x210
8400 Hood S1: 135x130

Marine kit (stainless steel)
4641 Marine ST1 flush box: 130x160x55
4645 Marine ST1 surface box: 154x184x96
4701 Marine ST1 hood: 154x184x40

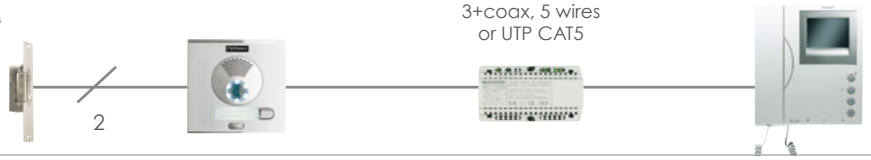
In option:
4545 Telephone interface
To forward the call from the outdoor panel to a home telephone or a mobile phone. A power supply ref.4810 is required. See more info at VDS section.

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

DIMENSIONS



DIAGRAM



REF.	DESCRIPTION	POWER SUPPLY	CABLE	SECTION	MAX. DISTANCE (panel-monitor)	EXTENSIONS w/o extra PSU	RELAY
4961 5432	1/W COLOUR VDS VIDEO CITY KIT 1/W COLOUR VDS VIDEO MARINE KIT	DIN10 230VAC/12VAC + 18VDC-1.5A REF. 4810	- Coax recommended for the video. - Possible with CAT5	0,5 mm² CAT5 1 mm² 1,5 mm²	50 m 80 m 100 m 150 m	2 handsets or 1 monitor	Ref. 2013 for additional functions

* Recommended lock release ref.67501 Universal Multi-voltage 12Vac / 12Vdc 250mA.
Recommended distance between panel and power supply: 30m

FERMAX

VIDEO KITS
FOR INDIVIDUAL RESIDENCES AND SME'S

iLOFT Technology
VDS

4950 1/W VDS iLOFT VIDEO KIT

48505.1/W COLOUR VDS CITY panel with kit flush box S1.
Panel S1: 130x128. Kit flush box: S1 115x114x45.
5620. iLOFT VDS COLOUR monitor (flush-mounted).
5630. iLOFT flush box. 158x108x45.
4810. Power supply 18Vdc/1,5A-12Vac/1,5A. DIN 10.

4954 1/W VDS iLOFT SURFACE VIDEO KIT

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

EXTENSIONS

It is possible to install 1 additional monitor or 2 handsets without adding any power supply. For bigger extensions, extra PSU will be necessary.

5620 VDS colour iLoft monitor (flush-mounted)
5614 VDS surface iLoft monitor
5601 iLoft telephone
3390 VDS Basic Loft telephone
3391 VDS Extra iLoft telephone

The VDS VIDEO KITS can be extended with a 2nd access. A switcher module (ref. 2450) is necessary.

48505 1/W Colour VDS video city kit panel

ACCESSORIES

Panel ACCESSORIES:

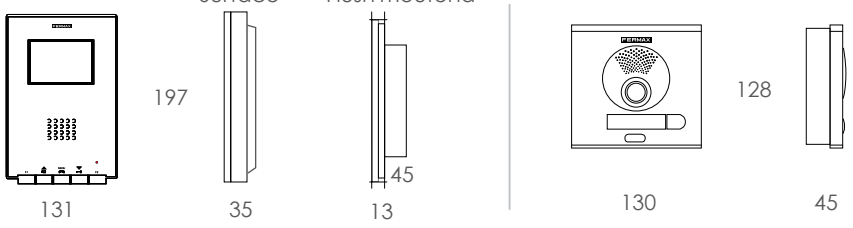
8851 Kit flush box S1: 115x114x45
7061 Surface box S1: 130x128x33
9191 Decorative frame S1: 211x210
8400 Hood S1: 135x130

Optional:

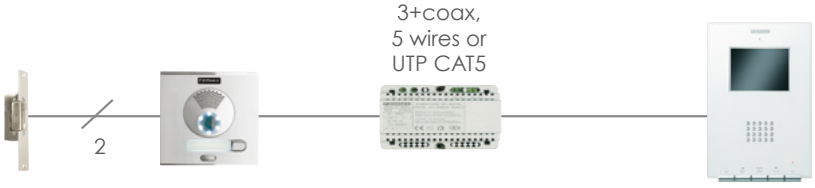
4545 Telephone interface
To forward the call from the outdoor panel to a home telephone or a mobile phone. A power supply ref. 4810 is required.

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

DIMENSIONS



DIAGRAM



Optional Telephone interface

REF.	DESCRIPTION	POWER SUPPLY	CABLE	SECTION	MAX. DISTANCE (panel-monitor)	EXTENSIONS w/o extra PSU	RELAY
4950 4954	1/W VDS iLOFT VIDEO KIT 1/W VDS iLOFT SURFACE VIDEO KIT	DIN10 230VAC/12VAC + 18VDC-1.5A REF. 4810	- Coax recommended for the video. - Possible with CAT5	0,5 mm² CAT5 1 mm² 1,5 mm²	50 m 80 m 100 m 150 m	2 handsets or 1 monitor	Ref. 2013 for additional functions

* Recommended lock release ref.67501 Universal Multi-voltage 12Vac / 12Vdc 250mA.
Recommended distance between panel and power supply: 30m

VIDEO KITS
FOR INDIVIDUAL RESIDENCES AND SME'S

3.5" SMILE
Technology
VDS

KITS ALREADY PROGRAMMED

5061 1/W VDS 3.5" SMILE KIT

48505. 1/W COLOUR VDS CITY panel and S1kit flush box.
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).

EXTENSIONS

It is possible to install 1 additional monitor or 2 handsets without adding any power supply. For bigger extensions, extra PSU will be necessary.

6545 VDS colour 3.5'' Smile monitor
6548 VDS Smile connector
3390 VDS basic Loft telephone
3391 VDS extra Loft telephone

The VDS VIDEO KITS can be extended with a 2nd access. A switcher module (ref. 2450) is necessary.

48505 1/W Colour VDS video city kit panel
48515 2/W Colour VDS video city kit panel

ACCESSORIES

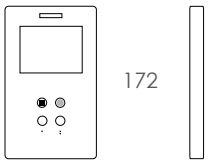
To fit the monitor into the wall:
6547 3.5" Smile decorative frame (127x196x44)
6546 3.5" Smile flush box (112x186x44)

Panel accessories
8851 Flush box S1: 115x114x45
7061 Surface box S1: 130x128x33
9191 Modular frame S1: 211X210
8400 Hood S1: 135x130

Optional:
4545 Telephone interface
To forward the call from the outdoor panel to a home telephone or a mobile phone. A power supply ref. 4810 is required.

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

DIMENSIONS



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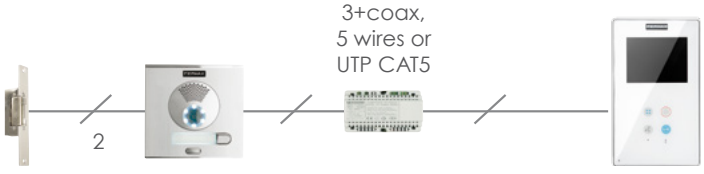
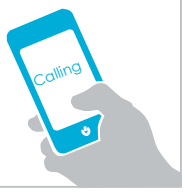


Telephone interface optional



REF.	DESCRIPTION	POWER SUPPLY	CABLE	SECTION	MAX. DISTANCE (panel-monitor)	EXTENSIONS w/o extra PSU	RELAY
5061	1/W VDS 3.5'' SMILE KIT	DIN10 230VAC/12VAC + 18VDC-1.5A REF. 4810	- Coax recommended for the video. - Possible with CAT5	0,5 mm² CAT5 1 mm² 1,5 mm²	50 m 80 m 100 m 150 m	2 handsets or 1 monitor	Ref. 2013 for additional functions

* Recommended lock release ref.67501 Universal Multi-voltage 12Vac / 12Vdc 250mA.
Recommended distance between panel and power supply: 30m

FERMAX

VIDEO KITS

FOR INDIVIDUAL RESIDENCES AND SME'S

7" SMILE
Technology
VDS

KITS ALREADY PROGRAMMED

5071 1/W VDS 7" SMILE KIT

48505. 1/W COLOUR VDS CITY panel and S1 kit flush box.
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).

EXTENSIONS

It is possible to install 1 additional monitor or 2 handsets without adding any power supply. For bigger extensions, extra PSU will be necessary.

6550 VDS colour 7'' Smile monitor
6548 VDS Smile connector
3390 VDS Basic Loft telephone
3391 VDS Extra Loft telephone

The VDS VIDEO KITS can be extended with a 2nd access. A switcher module (ref. 2450) is necessary.

48505 1/W Colour VDS video city kit panel
48515 2/W Colour VDS video city kit panel

ACCESSORIES

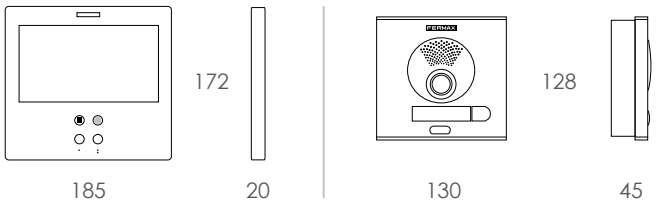
To fit the monitor into the wall:
6552 7" Smile decorative frame.
6551 7" Smile flush box.

Panel accessories
8851 Flush box S1: 115x114x45
7061 Surface box S1: 130x128x33
9191 Modular frame S1: 211X210
8400 Hood S1: 135x130

Optional:
4545 TELEPHONE INTERFACE
To forward the call from the outdoor panel to a home telephone or a mobile phone. A power supply ref.4810 is required.

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

DIMENSIONS



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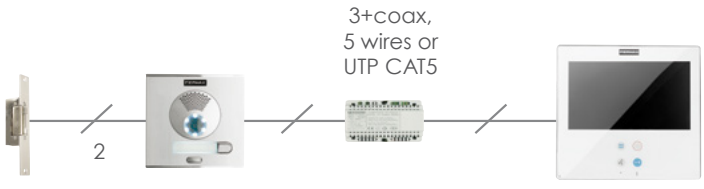
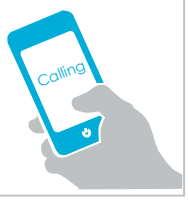


Telephone interface optional



REF.	DESCRIPTION	POWER SUPPLY	CABLE	SECTION	MAX. DISTANCE (panel-monitor)	EXTENSIONS w/o extra PSU	RELAY
5071	1/W VDS 7'' SMILE KIT	DIN10 230VAC/12VAC + 18VDC-1.5A REF. 4810	- Coax recommended for the video. - Possible with CAT5	0,5 mm² CAT5 1 mm² 1,5 mm²	50 m 80 m 100 m 150 m	2 handsets or 1 monitor	Ref. 2013 for additional functions

* Recommended lock release ref.67501 Universal Multi-voltage 12Vac / 12Vdc 250mA.
Recommended distance between panel and power supply: 30m

VIDEO KITS
FOR INDIVIDUAL RESIDENCES AND SME'S

VIVO Technology
TCP/IP

PLUG & PLAY

FULL IP TECHNOLOGY

1635 1/W VIVO-LYNX KIT

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

1636 1/W VIVO-LYNX KIT WITH CALL DIVERT

With call diverter to mobile or tablet!
The same as kit ref.1635 but with LYNX router (ref.1609).

EXTENSIONS

With the switch included in the kit it is possible to install up to 3 monitors and 3 additional panels without any additional switch (1 PSU per panel). KIT ALREADY PROGRAMMED.

1620 Vivo Monitor
1605 Vivo connector
1625 1/W Lynx IP City Panel

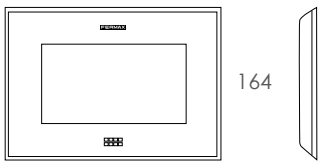
ACCESSORIES

Panel ACCESSORIES:

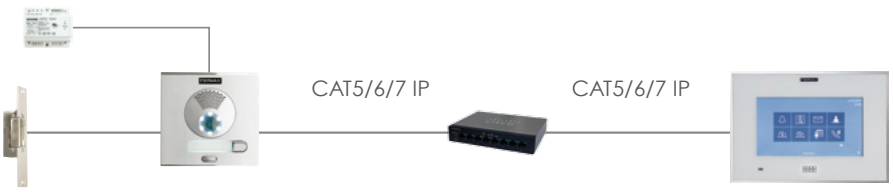
8851 Flush box S1: 115x114x45
7061 Surface box S1: 130x128x33
9191 Decorative frame S1: 211x210
8400 Hood S1: 135x130

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

DIMENSIONS



DIAGRAM



REF.	DESCRIPTION	POWER SUPPLY	CABLE	MAX. DISTANCE (panel-monitor)	EXTENSIONS w/o extra PSU	RELAY
1635 1636	1/W VIVO-LYNX KIT 1/W VIVO-LYNX KIT WITH CALL DIVERT	12Vdc/2A	CAT5/CAT6 Fiber optic	80 m 5 km	3 monitors and 1 panel	2 relays included on the panel

* Recommended lock release ref.67501 Universal Multi-voltage 12Vac / 12Vdc 250mA.
Recommended distance between panel and power supply: 30m

FERMAX **VIDEO KITS**
FOR INDIVIDUAL RESIDENCES AND SME'S

Technology
VDS

With OneToOne module

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 w/induction loop.
3314. VDS connector.
2438. Light/buzzer activator.
4810. Power supply 18Vdc/1,5A-12Vac/1,5A. DIN10.

With proximity reader

4887 1/W VDS COLOUR PRIVATE VIDEO KIT

4899. 1/W COLOUR VDS PRIVATE CITY panel and Kit flush box S4 (ref.8949).
Panel S4: 130x199. Flush box S4: 115x185x45.
2336. Proximity cards (5units).
4515. Proximity keyring.
3305. VDS COLOUR LOFT monitor.
3314. VDS connector.
4810. Power supply 18Vdc/1,5A-12Vac/1,5A. DIN 10.

With keypad

4984 1/W VDS COLOUR MEMOVISION KIT

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

With fingerprint module

4926 1/W VDS COLOUR BIOVISION KIT

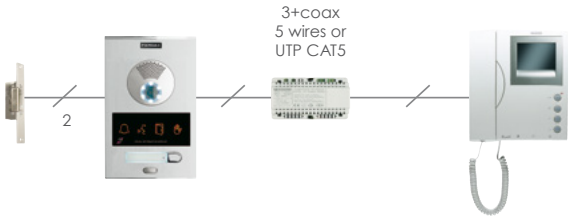
4910. 1/W COLOUR VDS BIOVISION panel and flush box (ref.8855)
Panel S5:130x246 / Kit Flush box S5: 115x233x45.
3305. LOFT COLOUR VDS monitor.
3314. VDS connector.
4810. Power supply 18Vdc/1,5A-12Vac/1,5A. DIN10.
23361. Proximity card.
4515. Proximity keyring.

EXTENSIONS

It is possible to install 1 additional monitor or 2 handsets without adding any power supply. The installation can be extended with a 2nd access (video: ref. 48505, audio: ref.48455.) A switcher module (ref. 2450) is necessary.

Optional:
4545 TELEPHONE INTERFACE
To forward the call from the outdoor panel to a home telephone or a mobile phone. A power supply ref. 4810 is required.

DIAGRAM



* Recommended lock release ref.67501 Universal Multi-voltage 12Vac / 12Vdc 250mA.
Recommended distance between panel and power supply: 30m

DUOX BUILDING KITS UP TO 24 APARTMENTS

INSTALLATION: 2 WIRES

The 1 and 2 way kits are supplied compete. The kits from 3 to 24 apartments are supplied with all necessary material for a complete video installation (except monitor and connectors): video door entry panel with COLOUR camera, flush box, power supply 18Vdc-1,5A (ref.4812) for the system and power supply 12Vac (ref.4800) for the lock release. 2 line terminations (ref.3255) are required for each additional riser.

2 wires
non polarized

LOFT
Monitors NOT included
(except 1/W and 2/W kits)

4341 1/W DUOX VIDEO KIT

1 apartment

70708. 1CP101 DUOX CITY panel. S1: 130x128.
8948. Kit flush box S1: 115x114x45.
3412. DUOX LOFT COLOUR monitor.
3415. DUOX surface connector.
3255. Line Termination.
3243. DUOX Power supply adaptor mod.
4810. Power supply 18Vdc/1,5A-12Vac/1,5A.DIN10.

4342 2/W DUOX VIDEO KIT

2 apartments

70008. 1CP201 DUOX CITY panel. S1: 130x128.
8948. Kit flush box S1: 115x114x45.
3412. DUOX LOFT COLOUR monitor (2 u.).
3415. DUOX surface connector.
3255. Line Termination (2 units).
3243. DUOX Power supply adaptor mod.
4810. Power supply 18Vdc/1,5A-12Vac/1,5A.DIN10.

49638 3/W DUOX VIDEO KIT

3 apartments

70738. 4CP103 DUOX CITY panel. S4: 130x199.
8949. Kit flush box S4: 115x185x45.
2008. 8-call extension module.
3255. Line Termination (2 units).
3243. DUOX Power supply adaptor module.
4800. Power supply 12Vac/1,5A. DIN4.
4812. Power supply 18Vdc/1,5A

49648 4/W DUOX VIDEO KIT

4 apartments

70748. 4CP104 CITY DUOX panel. S4: 130x199.
8949. Kit flush box S4: 115x185x45.
2008. 8-call extension module.
3255. Line Termination (2 units).
3243. DUOX Power supply adaptor module.
4800. Power supply 12Vac/1,5A. DIN4.
4812. Power supply 18Vdc/1,5A

49658 5/W DUOX VIDEO KIT

5 apartments

70828. 5CP105 DUOX CITY panel. S5: 130x246.
8855. Kit flush box S5: 115x233x45.
2008. 8-call extension module.
3255. Line Termination (2 units).
3243. DUOX Power supply adaptor module.
4800. Power supply 12Vac/1,5A. DIN4.
4812. Power supply 18Vdc/1,5A

49668 6/W DUOX VIDEO KIT

6 apartments

70038. 4CP203 DUOX CITY panel. S4: 130x199.
8949. Kit flush box S4: 115x185x45.
2008. 8-call extension module.
3255. Line Termination (2 units).
3243. DUOX Power supply adaptor module.
4800. Power supply 12Vac/1,5A. DIN4.
4812. Power supply 18Vdc/1,5A

NEW

FERMAX **VIDEO** KITS
BUILDINGS

DUOX by FERMAX

49688 8/W DUOX VIDEO KIT

8 apartments

70048. 4CP204 DUOX CITY panel. S4: 130x199.
8949. Kit flush box S4: 115x185x45.
2008. 8-call extension module.
3255. Line Termination (2 units).
3243. DUOX Power supply adaptor module. (2 units).
4800. Power supply 12Vac/1,5A. DIN4.
4812. Power supply 18Vdc/1,5A

49718 10/W DUOX VIDEO KIT

10 apartments

70128. 5CP205 DUOX CITY panel. S5: 130x246.
8855. Kit flush box S5: 115x233x45.
2441. 16-call extension module.
3255. Line Termination (2 units).
3243. DUOX Power supply adaptor module. (2 units).
4800. Power supply 12Vac/1,5A. DIN4.
4812. Power supply 18Vdc/1,5A

49728 12/W DUOX VIDEO KIT

12 apartments

70138. 5CP206 DUOX CITY panel. S5: 130x246.
8855. Kit flush box S5: 115x233x45.
2441. 16-call extension module.
3255. Line Termination (2 units).
3243. DUOX Power supply adaptor module.
4800. Power supply 12Vac/1,5A. DIN4.
4812. Power supply 18Vdc/1,5A

49738 14/W DUOX VIDEO KIT

14 apartments

70228. Panel CITY DUOX 6CP207. S6: 130x294.
8856. Caja de empotrar S6: 115x280x45.
2441. 16-call extension module.
3255. Line Termination (2 units).
3243. DUOX Power supply adaptor module. (2 units).
4800. Power supply 12Vac/1,5A. DIN4.
4812. Power supply 18Vdc/1,5A (2 units).

49748 16/W DUOX VIDEO KIT

16 apartments

70238. 6CP208 DUOX CITY panel. S6: 130x294.
8856. Kit flush box S6: 115x280x45.
2441. 16-call extension module.
3255. Line Termination (2 units).
3243. DUOX Power supply adaptor module. (2 units).
4800. Power supply 12Vac/1,5A. DIN4.
4812. Power supply 18Vdc/1,5A (2 units).

49758 18/W DUOX VIDEO KIT

18 apartments

70328. 7CP209 DUOX CITY panel. S7: 130x341.
8857. Kit flush box S7: 115x328x45.
2441. 16-call extension module (2 units).
3255. Line Termination (2 units).
3243. DUOX Power supply adaptor module. (2 units).
4800. Power supply 12Vac/1,5A. DIN4.
4812. Power supply 18Vdc/1,5A (2 units).

49768 20/W DUOX VIDEO KIT

20 apartments

70338. 7CP210 DUOX CITY panel. S7: 130x341.
8857. Kit flush box S7: 115x328x45.
2441. 16-call extension module (2 units).
3255. Line Termination (2 units).
3243. DUOX Power supply adaptor module. (2 units).
4800. Power supply 12Vac/1,5A. DIN4.
4812. Power supply 18Vdc/1,5A (2 units).

49778 22/W DUOX VIDEO KIT

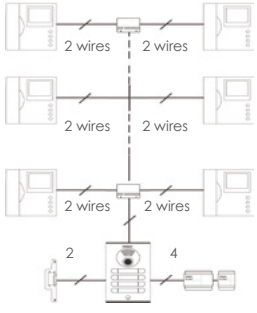
22 apartments

71148. 8CP211 DUOX CITY panel. S8: 130x389.
8858. Kit flush box S8: 115x375x45.
2441. 16-call extension module (2 units).
3255. Line Termination (2 units).
3243. DUOX Power supply adaptor module. (2 units).
4800. Power supply 12Vac/1,5A. DIN4.
4812. Power supply 18Vdc/1,5A (2 units).

49788 24/W DUOX VIDEO KIT

24 apartments

71158. CITY DUOX 8CP212 panel. S8: 130x389.
8858. Kit flush box S8: 115x375x45.
2441. 16-call extension module (2 units).
3255. Line Termination (2 units).
3243. DUOX Power supply adaptor module. (2 units).
4800. Power supply 12Vac/1,5A. DIN4.
4812. Power supply 18Vdc/1,5A (2 units).



NOTE: The kits don't include monitors. Required monitors must be requested separately to complete the installation depending on the number of apartments.

NEW

HOME AUTOMATION PACKS

dominium FERMAX home management

HOME AUTOMATION PACKS FOR BUILDING

COMFORT AND ENERGY EFFICIENCY

Wi Fi ZONE

In apartments with **VDS digital video entry installation**, the home's functions can be expanded with Home Automation packs, including a high-performance iLOFT DOMINIUM monitor with touchscreen and iconic menu. The monitor easily manages functions such as security, air conditioning or energy efficiency. The iLOFT DOMINIUM monitors included in the packs have **built-in Wi-Fi connectivity,** so users can control the home automation features from mobile devices (Android and iOS). These packs do not include an outdoor panel. For installation in residences, please ask for the VDS panel and power supply. Packs can be expanded with additional elements to handle other functions such as raising and lowering blinds, lighting control, etc.

COMFORT PACK. Security and well-being at home.

- 3.5" colour monitor with function control touchscreen.
- Presence and water leak detector with outputs for electro valve control and sirens.
- Telephone alerts and remote control by talking menus.
- Temperature probe for air conditioning control.
- Remote control of the facility by phone.

BUSing

9845 iLOFT COMFORT HOME PACK

5641. iLOFT DOMINIUM surface monitor.
9865. Flood sensor.
9867. Infrared movement sensor.
9854. Detection central with notices.
9890. BUSing NTC temperature sensor.
9855. BUSing-FERMAX gateway.

ENERGY EFFICIENCY HOME PACK. Monitoring of electrical consumption.

- 3.5" colour monitor with touchscreen for functions control.
- General home electricity consumption metering.
- Instant consumption reading and archive consumption statistics.

9847 iLOFT EFFICIENCY HOME PACK

5641. iLOFT DOMINIUM surface monitor.
9869. Power mater 1C.
9855. BUSing-FERMAX gateway.
4813. Power supply 100-240VAC/12VDC-2A. DIN6.

ENERGY EFFICIENCY HOME PACK PLUS. All energy consumption under control

- 3.5" colour monitor with touchscreen for functions control.
- 3-channel home electricity consumption metering (general + 2 channels).
- Inputs to gauge water and gas consumption by pulse output meter.
- Instant consumption reading and archive water, gas and electricity usage statistics.
- Temperature probe for air conditioning control.

9846 iLOFT EFFICIENCY PLUS HOME PACK

5641. iLOFT DOMINIUM surface monitor.
9868. BUSing temperature sensor.
9850. 2 inputs and outputs digital module.
9853. Power meter 3C.
9852. 3 inputs module adaptor.
9855. BUSing-Fermax gateway.
4813. Power supply 100-240VAC/12VDC-2A. DIN6.

FERMAX

AUDIO KITS

FOR INDIVIDUAL RESIDENCES AND SME'S

Technology
4+N

Stainless Steel Panel

4860 1/W 4+N CITY AUDIO KIT

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.

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).

5431 1/W 4+N MARINE AUDIO KIT

54331. 1/W 4+N 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.

EXTENSIONS

Without extra power supply.
3 LOFT telephones (Basic: ref.3393 - Extra: ref.3394). For more than 4 telephones, 1 power supply ref.4812 and 1 call multiplier (ref.2340) are required.

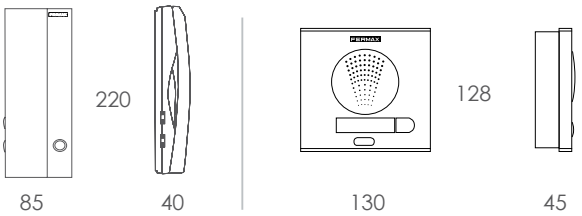
2nd Audio access
4845. 1/W audio panel and flush box.
5433. 1/W Marine audio panel.
8819. 1/W Automatic Switcher

ACCESSORIES

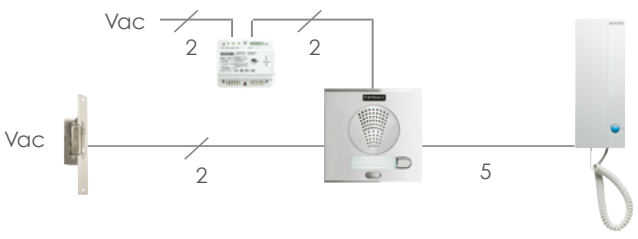
8851. Kit flush box S1: 115x114x45 .
7061. Surface box S1: 130x128x33.
9191. Decorative frame S1: 211x210.
8400. Hood S1: 135x130.
3380. Telephone decorative frame. 200x240.

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

DIMENSIONS



DIAGRAM



REF.	DESCRIPTION	POWER SUPPLY	CABLE	SECTION	MAX. DISTANCE (panel-telephone)	EXTENSIONS w/o extra PSU
4860 5431	1/W 4+N CITY AUDIO KIT 1/W 4+N MARINE AUDIO KIT	18Vdc/1,5A- REF. 4812	4+N CABLE	0,5 mm² 1 mm² CAT5	0-100 m 100-300 m UP to 80 m	3 handsets

* Recommended lock release ref.67501 Universal Multi-voltage 12Vac / 12Vdc 250mA.

FERMAX

AUDIO KITS

FOR INDIVIDUAL RESIDENCES AND SME'S

DUOX 2 wires non polarized

4920 1/W DUOX CITY AUDIO KIT

70704. 1AP101 DUOX CITY panel. Panel S1: 130x128.
8948. Kit flush box S1: 115x114x45.
3421. DUOX LOFT telephone.
4810. Power supply 18Vdc/1,5A-12Vac/1,5A. DIN10.
3243. DUOX power supply adaptor module.

4921 2/W DUOX CITY AUDIO KIT

70004. 1AP201 DUOX CITY panel. Panel S1: 130x128.
8948. Kit flush box S1: 115x114x45.
3421. DUOX LOFT telephone (2 units).
4810. Power supply 18Vdc/1,5A-12Vac/1,5A. DIN10.
3243. DUOX power supply adaptor module.

EXTENSIONS

It is possible to install 2 additional handset without adding any PSU.
3421. DUOX Loft telephone

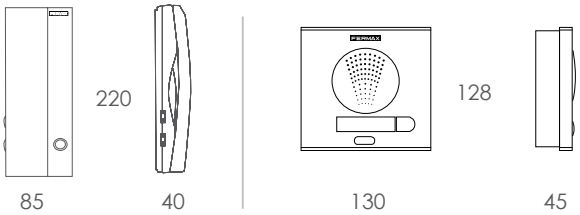
The DUOX kits can be extended with a 2nd access.
70704. 1/W DUOX City panel
70004. 2/W DUOX City panel

ACCESSORIES

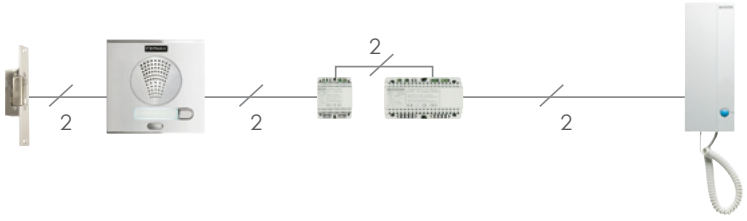
8851. Kit flush box S1: 115x114x45 .
7061. Surface box S1: 130x128x33.
9191. Decorative frame S1: 211x210.
8400. Hood S1: 135x130.
3380. Telephone decorative frame. 200x240.

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

DIMENSIONS



DIAGRAM



REF.	DESCRIPTION	POWER SUPPLY	CABLE	SECTION	MAX. DISTANCE (PSU - Panel)	MAX. DISTANCE (Panel - telephone)	EXTENSIONS w/o extra PSU	RELAY
4920	1/W DUOX CITY AUDIO KIT	18Vdc/12Vac REF.4810	Any type of cable	2x1 mm² 2x0,5 mm² 2x0,2 mm²	50 m 25 m 15 m	300 m 200 m 90 m	2 handsets	REF.3257

FERMAX

AUDIO KITS

FOR INDIVIDUAL RESIDENCES AND SME'S

iLOFT Technology VDS

HANDS-FREE COMMUNICATION

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 AUDIO KIT

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

EXTENSIONS

It is possible to install 2 additional handsets without adding any power supply. For bigger extensions, extra PSU will be necessary.

5601 iLoft telephone

The VDS 1/w AUDIO KITS can be extended with a 2nd access.

48455. 1/W audio video City kit panel

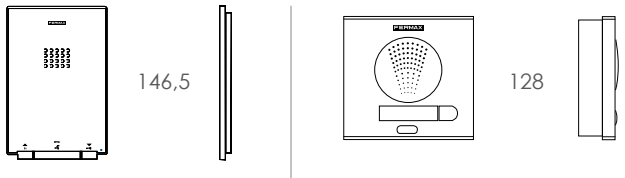
ACCESSORIES

Panel ACCESSORIES:

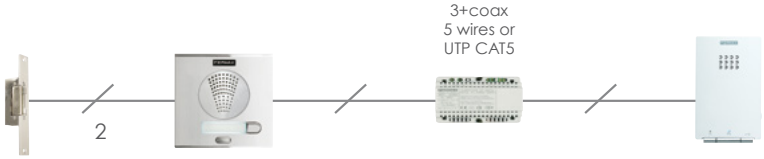
8851. Kit flush box S1: 115x114x45
7061. Surface box S1: 130x128x33
9191. Decorative frame S1: 211x210
8400. Hood S1: 135x130

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

DIMENSIONS



DIAGRAM



REF.	DESCRIPTION	POWER SUPPLY	CABLE	SECTION	MAX. DISTANCE (panel-telephone)	EXTENSIONS w/o extra PSU	RELAY
4878	1/W VDS ILOFT AUDIO KIT	DIN10 230VAC/12VAC + 18VDC-1.5A REF. 4810	- Coax recommended for the video. - Possible with CAT5	0,5 mm² CAT5 1 mm² 1,5 mm²	50 m 80 m 100 m 150 m	2 handsets	Ref. 2013 for additional functions

* Recommended Lock release ref.67501 Universal Multi-voltage 12Vac / 12Vdc 250mA.
Recommended distance between panel and power supply: 30m

FERMAX **AUDIO** KITS
FOR INDIVIDUAL RESIDENCES AND SME'S

citymax
Technology
4+N

6201 1/W 4+N CITYMAX AUDIO KIT

TECHNOLOGY: 4+N

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.

EXTENSIONS

Without extra power supply.
3 CITYMAX telephones (ref.80447). For more than 4 telephones, 1 power supply ref.4812 and 1 call multiplier (ref.2340) is required.

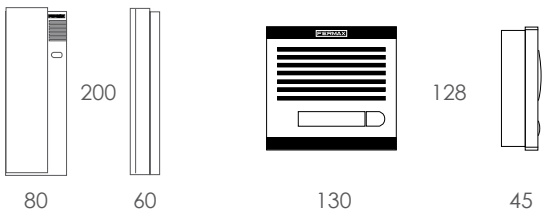
2nd Audio access
8300. 1/W City Classic kit Panel
8819. 1/W Automatic Switcher

ACCESSORIES

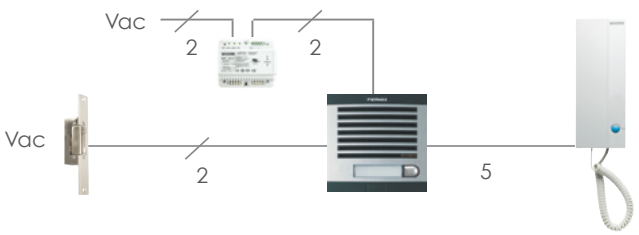
8851. Kit flush box S1: 115x114x45.
8951. Surface box S1.130x128X33.
9191. Decorative frame S1: 211x210.
8400. Hood S1: 135x130.

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

DIMENSIONS



DIAGRAM



REF.	DESCRIPTION	POWER SUPPLY	CABLE	SECTION	MAX. DISTANCE (panel-telephone)	EXTENSIONS w/o extra PSU
6201	1/W 4+N CITYMAX AUDIO KIT	18Vac/1,5A REF. 4812	4+N CABLE	0,5 mm² 1 mm² CAT5	0-100 m 100 - 300 m UP to 80 m	3 handsets

* Recommended Lock release ref.67501 Universal Multi-voltage 12Vac / 12Vdc 250mA.

FERMAX

AUDIO KITS

FOR INDIVIDUAL RESIDENCES AND SME'S

Technology
4+N

Surface mounted

1502 1/W 4+N MINI KIT

1519. 1/W surface MINI panel.
Panel: 100x166x26,50.
80447. CITYMAX telephone.
Power supply 12Vac.

1503 2/W 4+N MINI KIT

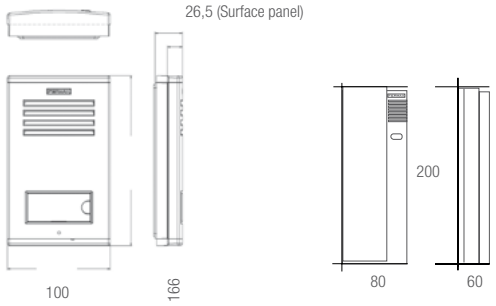
The same as ref.1502 but with 2 CITYMAX telephones and 2/W surface MINI panel (ref.1520).

EXTENSIONS

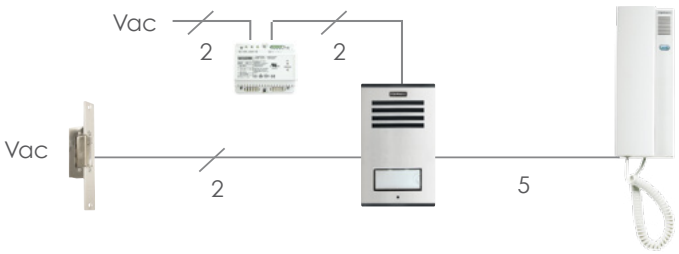
The Mini Kits allow the installation of 1 Extra telephone without additional P.S.U.
80447. 4+N Citymax Basic Telephone

A second panel can be installed.
1519. 1/W Mini surface Panel
1520. 2/W Mini surface Panel

DIMENSIONS



DIAGRAM



REF.	DESCRIPTION	POWER SUPPLY	CABLE	SECTION	DISTANCE MAX. (platine-poste)	EXTENSIONS SANS ALIM. SUP.
1502 1503	1/W 4+N MINI KIT 2/W 4+N MINI KIT	12Vac	4+N CABLE	0,5 mm² 1 mm² CAT5	0-100 m 100-300 m UP to 80 m	1 handset

* Recommended Lock release ref.67501 Universal Multi-voltage 12Vac / 12Vdc 250mA.

With OneToOne module

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 reader

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).
4515. Proximity keyrings.
3391. VDS LOFT EXTRA telephone.
4810. Power supply 18Vdc/1,5A-12Vac/1,5A. DIN 10.

With keypad

4982 1/W VDS MEMOPHONE KIT

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

With fingerprint module

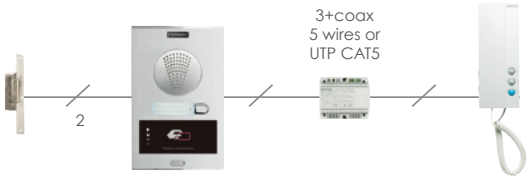
4925 1/W VDS BIOPHONE KIT

4911. 1/W VDS BIOPHONE panel and kit flush box (ref.8855). Panel S5: 130x246 / Flush box S5: 115x233x45.
3391. VDS LOFT EXTRA telephone.
4810 Power Supply 18Vdc/1,5A-12Vac/1,5A. DIN10.
23361. Proximity card.
4515 . Proximity Keyring.

EXTENSIONS

It is possible to install 2 handsets without adding any power supply. The installation can be extended with a 2nd access (audio: ref.48455.) A switcher module (ref. 2450) is necessary.

DIAGRAM



ANALOGUE BUILDING 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 (ref.88231). Only on 2/W (ref.48620), 2 additional wires (ref.2540) are required.
- At apartment: up to 3 telephones (ref.3393) without additional power supply.
- Recommended door lock: 450N-S (ref.30711).

4860 1/W CITY AUDIO KIT

(4+1)

4845. 1AP101 CITY kit panel and flush box.
Panel S1: 130x128.
Flush box (ref.8948)
S1: 115x114x45.
3393. LOFT 4+N telephone.
4800. Power supply 12Vac/1,5A. DIN4.

4862 2/W CITY AUDIO KIT

(4+2)

4846. 1AP201 CITY kit panel and flush box.
Panel S1: 130x128.
Flush box (ref.8948)
S1: 115x114x45.
3393. LOFT 4+N telephone (2 units).
4800. Power supply 12Vac/1,5A. DIN4.

4863 3/W CITY AUDIO KIT

(4+3)

4847. 4AP103 CITY kit panel and flush box.
Panel S4: 130x199.
Flush box (ref.8949) S4: 115x185x45.
3393. LOFT 4+N telephone (3 units).
4800. Power supply 12Vac/1,5A. DIN4.

4864 4/W CITY AUDIO KIT

(4+4)

4848. 4AP104 CITY kit panel and flush box.
Panel S4: 130x199.
Flush box (ref.8949) S4: 115x185x45.
3393. LOFT 4+N telephone (4 units).
4800. Power supply 12Vac/1,5A. DIN4.

4866 6/W CITY AUDIO KIT

(4+6)

4849. 4AP203 CITY kit panel and flush box.
Panel S4: 130x199.
flush box (ref.8949) S4: 115x185x45.
3393. LOFT 4+N telephone (6 units).
4800. Power supply 12Vac/1,5A. DIN4.

4868 8/W CITY AUDIO KIT

(4+8)

4852. 4AP204 CITY kit panel and flush box.
Panel S4: 130x199.
Flush box (ref.8949) S4: 115x185x45.
3393. LOFT 4+N telephone (8 units).
4800. Power supply 12Vac/1,5A. DIN4.

4865 10/W CITY AUDIO KIT

(4+10)

4853. 5AP205 CITY kit panel and flush box.
Panel S5: 130x246.
Flush box (ref.8855) S5: 115x233x45.
3393. LOFT 4+N telephone (10 units).
4800. Power supply 12Vac/1,5A. DIN4.

4867 12/W CITY AUDIO KIT

(4+12)

4854. 5AP206 CITY kit panel and flush box.
Panel S5: 130x246.
Flush box (ref.8855) S5: 115x233x45.
3393. LOFT 4+N telephone (12 units).
4800. Power supply 12Vac/1,5A. DIN4.

4869 14/W CITY AUDIO KIT

(4+14)

4855. 6AP207 CITY kit panel and flush box.
Panel S6: 130x294.
Flush box (ref.8856) S6: 115x280x45.
3393. LOFT 4+N telephone (14 units).
4800. Power supply 12Vac/1,5A. DIN4.

4871 16/W CITY AUDIO KIT

(4+16)

4856. 6AP208 CITY kit panel and flush box.
Panel S6: 130x294.
Flush box (ref.8856) S6: 115x280x45.
3393. LOFT 4+N telephone (16 units).
4800. Power supply 12Vac/1,5A. DIN4.

4874 18/W CITY AUDIO KIT

(4+18)

4857. 7AP209 CITY kit panel and flush box.
Panel S7: 130x341.
Flush box (ref.8857) S7: 115x328x45.
3393. LOFT 4+N telephone (18 units).
4800. Power supply 12Vac/1,5A. DIN4.

4875 20/W CITY AUDIO KIT

(4+20)

4858. 7AP210 CITY kit panel and flush box.
Panel S7: 130x341.
Flush box (ref.8857) S7: 115x328x45.
3393. LOFT 4+N telephone (20 units).
4800. Power supply 12Vac/1,5A. DIN4.

4876 22/W CITY AUDIO KIT

(4+22)

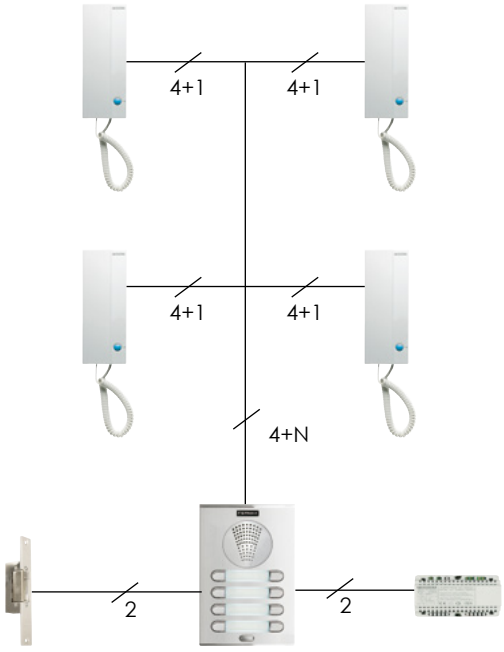
4843. 8AP211 CITY kit panel and flush box.
Panel S8: 130x389.
Flush box (ref.8858) S8: 115x375x45.
3393. LOFT 4+N telephone (22 units).
4800. Power supply 12Vac/1,5A. DIN4.

4877 24/W CITY AUDIO KIT

(4+24)

4844. 8AP212 CITY kit panel and flush box.
Panel S8: 130x389.
Flush box (ref.8858) S8: 115x375x45.
3393. LOFT 4+N telephone (24 units).
4800. Power supply 12Vac/1,5A. DIN4.

4+N Basic installation



FERMAX AUDIO KITS
BUILDING

Technology
4+N

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.30711).

ANALOGUE 4+1

6201 1/W CITYMAX AUDIO KIT

8300. 1/W CITY CLASSIC panel and flush box (flush box included ref.8948).
Panel S1: 130x128.
Kit flush box S1: 115x114x45.
80447. CITYMAX BASIC telephone.
4800. Power supply 12Vac/1,5A. DIN4.

ANALOGUE 4+2

6202 2/W CITYMAX AUDIO KIT

8301. 2/W CITY CLASSIC panel and flush box (flush box included ref.8948).
Panel S1: 130x128.
Kit flush box S1: 115x114x45.
80447. CITYMAX BASIC telephone (2 units).
4800. Power supply 12Vac/1,5A. DIN4.

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.
Flush box S4: 115x185x45.
80447. CITYMAX BASIC telephone (3 units).
4800. Power supply 12Vac/1,5A. DIN4.

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.
Flush box S4: 115x185x45.
80447. CITYMAX BASIC telephone (4 units).
4800. Power supply 12Vac/1,5A. DIN4.

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.
Flush box S4: 115x185x45.
80447. CITYMAX BASIC telephone (6 units).
4800. Power supply 12Vac/1,5A. DIN4.

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.
Flush box S4: 115x185x45.
80447. CITYMAX BASIC telephone (8 units).
4800. Power supply 12Vac/1,5A. DIN4.

ANALOGUE 4+10

6210 10/W CITYMAX AUDIO KIT

8320. 10/W CITY CLASSIC panel and flush box (Flush box included ref.8855).
Panel S5: 130x246.
Flush box S5: 115x246x45.
80447. CITYMAX BASIC telephone (10 units).
4800. Power supply 12Vac/1,5A. DIN4.

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.
Flush box S5: 115x246x45.
80447. CITYMAX BASIC telephone (12 units).
4800. Power supply 12Vac/1,5A. DIN4.

ANALOGUE 4+14

6214 14/W CITYMAX AUDIO KIT

8660. 14/W CITY CLASSIC panel.
Panel S6: 130x294.
8856. 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

8661. 16/W CITY CLASSIC panel.
Panel S6: 130x294.
8856. 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

8700. 18/W CITY CLASSIC panel.
Panel S7: 130x341.
8857. 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

8701. 20/W CITY CLASSIC panel.
Panel S7: 130x341.
8857. 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

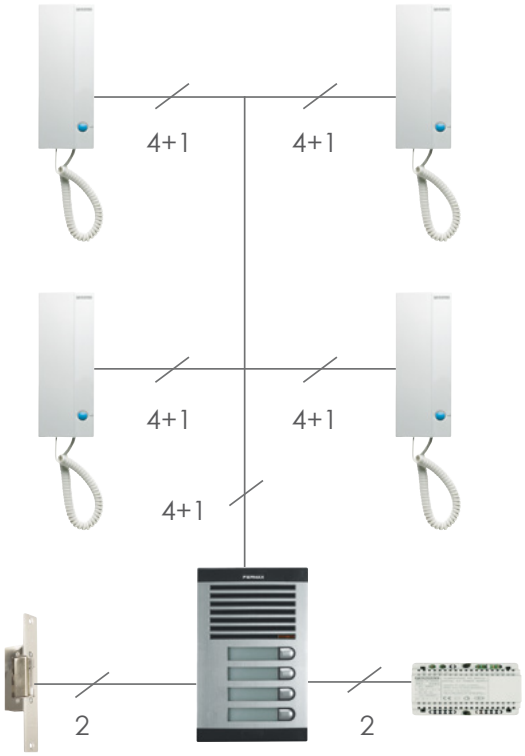
8740. 22/W CITY CLASSIC panel.
Panel S8: 130x389.
8858. Flush box S8: 115x375x45.
80447. CITYMAX BASIC telephone (22 units).
4800. Power supply 12Vac/1,5A. DIN4.

ANALOGUE 4+24

6224 24/W CITYMAX AUDIO KIT

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

4+N Basic installation



PANELS

FERMAX

SKYLINE PANEL. MARINE PANEL

FERMAX SKYLINE PANEL

SKYLINE INFINITE POSSIBILITIES

VERSATILITY. MODULAR COMPOSITION

SKYLINE is the perfect door entry panel for contemporary installations that requires multiple integration systems: information, communication and access control.

It's versatility makes it the only panel capable to respond to any requirements which may arise in any residential, industrial or service sector project.

It's modular design and versatility provide TOTAL CREATIVE FREEDOM to create any imaginable combination.

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

COMBINES

It consists of different modules: 8 frames of different dimensions, audio-video modules, push buttons 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 or the fingerprint reader 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 push buttons and reinforcements, polycarbonate in transparent elements, stainless steel inner grids, etc - are chosen for their beauty and maximum resistance to bad weather conditions.

SKYLINE PANEL

PROJECT

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

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

VIDEO AND AUDIO MODULES

Video W

Audio W

SKYLINE FRAMES

Frame 1V

Frame 2V

Frame 3V

Frame 4V

Frame 5V

Frame 6V

Frame 7V

Frame 8V

DOUBLE PUSH BUTTONS

8 Push. 204 W

4 Push. 202 V

2 Push. 201 V

SINGLE PUSH BUTTONS

4 Push. 104 W

2 Push. 102 V

1 Push. 101 V

DIGITAL PUSH BUTTONS

Direct/Digital keypad W

Display W

Display Lynx W

Digitizer MDS V

INFORMATION MODULES

Cardholder W

Cardholder V

OneToOne V

ACCESSORIES

Metallic complement W

Metallic complement V

ACCESS CONTROL

Keypad W

Fingerprint W

Proximity V

Bluetooth V

Module Assembly sequence.

COMBINATIONS

The combination of frames and modules depend 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 = 105,2x47,5mm

W = 105,2x95mm

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

Dimensions: (width) x (height) mm.

SKYLINE PANEL

TECHNICAL FEATURES

VDS VIDEO PANEL WITH PUSH BUTTONS

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	Push button 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 ±10°.

Push button with waterlight contacts. IP 66.

Able to resist 100.000 pressings 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

ref.7341
1V

ref.7332
2V

ref.7333
3V

ref.7334
4V

ref.7335
5V

ref.7336
6V

ref.7337
7V

ref.7338
8V

TWO OR MORE PANELS

8829 JOINING BOLTS SET

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

CONNECTION CABLES

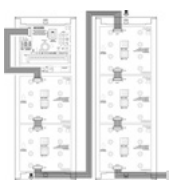
Needed when there is more than one frame for connection of push buttons modules between frames (70 cm).

Choose the right cable depending on the panel configuration:

	PUSH BUTTONS	CARDHOLDER	ONE-TO-ONE	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

2540	4+N (3W) CONNECTION CABLE
2541	DUOX/VDS (6W) CONNECTION CABLE
2542	DUOX/VDS (5W) CONNECTION CABLE
2543	MDS (7W) CONNECTION CABLE

ref.2541/ 2540


DUOX/VDS

SKYLINE PANEL

SKYLINE AND CITYLINE ACCESSORIES

FLUSH BOX

Made in aluminium and zamak, with folding hinges.

SURFACE BOX

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

HOOD

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

ANGULAR COMPLEMENT

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

MODULAR DECORATIVE FRAME

In replacement applications, allows to cover up the hole left by the old panel. It is also an aesthetic element. Modular assembly.

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

AUDIO AND VIDEO AMPLIFIER

7391 DUOX VIDEO MODULE W
7421 VDS VIDEO MODULE W
7406 ANALOGUE VIDEO MODULE W
1622 LYNX VIDEO MODULE W

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

COLOUR VIDEO MODULE W

AUDIO MODULE W

PUSH BUTTON MODULES

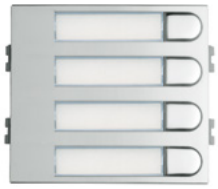
DOUBLE PUSH BUTTONS

7371 8 PUSH. 204 DUOX/VDS/LYNX W
7369 8 PUSH. 204 4+N W

7372 4 PUSH. 202 DUOX/VDS/LYNX V
7370 4 PUSH. 202 4+N V

7376 2 PUSH. 201 DUOX/VDS/LYNX V
7374 2 PUSH. 201 4+N V

8 PUSH. 204 W



4 PUSH. 104 W

SINGLE PUSH BUTTONS

7367 4 PUSH. 104 DUOX/VDS/LYNX W
7365 4 PUSH. 104 4+N W

7368 2 PUSH. 102 DUOX/VDS/LYNX V
7366 2 PUSH. 102 4+N V

7375 1 PUSH. 101 DUOX/VDS/LYNX V
7373 1 PUSH. 101 4+N V

4 PUSH. 202 V

2 PUSH. 102 V

2 PUSH. 201 V

1 PUSH. 101 V

BRAILLE LABELS

6945 BRAILLE SINGLE PUSH BUTTON LABEL Nº1-76
6946 BRAILLE DOUBLE PUSH BUTTON LABEL Nº1-76

SKYLINE PANEL

DIGITAL MODULES

The **DISPLAY** module makes it possible to search through the list of residents and their allocated door codes (telephone book type). It indicates the communication status. The keys ◁ ▷ allow 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/AC+ DISPLAY W

ref.7449/7451

ref.1623

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

7447 DUOX/VDS/MDS DIGITAL KEYPAD W

7439 DUOX/VDS/MDS DIRECT KEYPAD W

7457 LYNX DIRECT KEYPAD W

7460 MDS DIGITIZER V

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

ref.7439

ref.7447

INFORMATION MODULES AND ACCESSORIES

7448 ONE-TO-ONE MODULE V

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

ref.7448

7445 CARDHOLDER W

7444 CARDHOLDER V

Informative cardholder with lighting to personalize the building, indicate the address or use as a residents and 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 up to 6 digits is entered. Admits 100 different codes that can activate 1 or 2 relays. Power supply 12Vac/Vdc.

ref.7438

7453 MDS/AC+ KEYPAD W

For centralized systems with MDS Central Unit ref.2405 or ACPlus ref.4410.

7457 LYNX/AC+ SKYLINE DIRECT KEYPAD W

For access control combinations: keypad with proximity.

7441 BLUETOOTH READER V

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

ref.7441

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

6936 FINGERPRINT READER W

Indoor/outdoor. Maximum capacity of 4.500 user (stand-alone). Includes an informative display and signalation leds. Includes a built-in proximity reader to boost security and a remote infrared keypad for programming. 12Vdc/Vac.

ref.6936

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).

ref.7440

23361 PROXIMITY CARD W/O MAGNETIC BAND

2336 PROXIMITY CARD WITH MAGNETIC BAND

4515 PROXIMITY KEYRING

ref.23361

ref.4515

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.fermax.co.uk

FERMAX MARINE PANEL

VANDAL-PROOF MADE IN STAINLESS STEEL

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 torx key supplied.
- The FLUSH-MOUNTED BOX is galvanized 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.

1. PANELS WITH PUSH BUTTONS

Select the corresponding panel accessories. Flush and surface box must be requested separately. The indicated references include DUOX, VDS or 4+N amplifier and COLOUR camera.

In case of DUOX and VDS amplifiers, extension call modules are required: 8-calls (ref.2008) or 16-calls (ref.2441).

For the combination of 2 Marine panels of the same series, joining bolts (ref.2289are required between the flush boxes.

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

AUDIO MARINE PANEL

ST1			ST2			ST3			ST4			JOINING BAOLTS SET
FLUSH BOX	SURFACE BOX	HOOD	FLUSH BOX	SURFACE BOX	HOOD	FLUSH BOX	SURFACE BOX	HOOD	FLUSH BOX	SURFACE BOX	HOOD	
ref.4641 130x160x55	ref.4645 154x184x96	ref.4701 154x184x40	ref.4642 130x220x55	ref.4646 154x244x96	ref.4702 154x244x40	ref.4643 130x340x55	ref.4647 154x364x96	ref.4703 154x364x40	ref.4644 130x465x55	ref.4648 154x489x96	ref.4704 154x489x40	ref.2289

Hood included in the surface box.

AUDIO MARINE PANELS WITH PUSH BUTTONS ONLY

SERIES ST1 Panel: 150x180

1PB
VDS: ref. SSLA01_3
4+N: ref. SSLA01_1
DUOX: ref. SSLA01_4

2PB
VDS: ref. SSLA02_3
4+N: ref. SSLA02_1
DUOX: ref. SSLA02_4

3PB
VDS: ref. SSLA03_3
4+N: ref. SSLA03_1
DUOX: ref. SSLA03_4

SERIES ST2 Panel: 150x240

4PB
VDS: ref. SSLA04_3
4+N: ref. SSLA04_1
DUOX: ref. SSLA04_4

5PB
VDS: ref. SSLA05_3
4+N: ref. SSLA05_1
DUOX: ref. SSLA05_4

6PB
VDS: ref. SSLA06_3
4+N: ref. SSLA06_1
DUOX: ref. SSLA06_4

7PB
VDS: ref. SSLA07_3
4+N: ref. SSLA07_1
DUOX: ref. SSLA07_4

8PB
VDS: ref. SSLA08_3
4+N: ref. SSLA08_1
DUOX: ref. SSLA08_4

9PB
VDS: ref. SSLA09_3
4+N: ref. SSLA09_1
DUOX: ref. SSLA09_4

SERIES ST3 Panel: 150x360

10PB
VDS: ref. SSLA10_3
4+N: ref. SSLA10_1
DUOX: ref. SSLA10_4

11PB
VDS: ref. SSLA11_3
4+N: ref. SSLA11_1
DUOX: ref. SSLA11_4

12PB
VDS: ref. SSLA12_3
4+N: ref. SSLA12_1
DUOX: ref. SSLA12_4

13PB
VDS: ref. SSLA13_3
4+N: ref. SSLA13_1
DUOX: ref. SSLA13_4

14PB
VDS: ref. SSLA14_3
4+N: ref. SSLA14_1
DUOX: ref. SSLA14_4

15PB
VDS: ref. SSLA15_3
4+N: ref. SSLA15_1
DUOX: ref. SSLA15_4

16PB
VDS: ref. SSLA16_3
4+N: ref. SSLA16_1
DUOX: ref. SSLA16_4

17PB
VDS: ref. SSLA17_3
4+N: ref. SSLA17_1
DUOX: ref. SSLA17_4

18PB
VDS: ref. SSLA18_3
4+N: ref. SSLA18_1
DUOX: ref. SSLA18_4

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

FERMAX AUDIO MARINE PANEL

AUDIO MARINE PANELS WITH PUSH BUTTONS & KEYPAD

SERIES ST3 Panel: 150x360

1PB + KPAD
VDS: ref. SSLA01N_3
4+N: ref. SSLA01N_1
DUOX: ref. SSLA01N_4

2PB + KPAD
VDS: ref. SSLA02N_3
4+N: ref. SSLA02N_1
DUOX: ref. SSLA02N_4

3PB + KPAD
VDS: ref. SSLA03N_3
4+N: ref. SSLA03N_1
DUOX: ref. SSLA03N_4

4PB + KPAD
VDS: ref. SSLA04N_3
4+N: ref. SSLA04N_1
DUOX: ref. SSLA04N_4

5PB + KPAD
VDS: ref. SSLA05N_3
4+N: ref. SSLA05N_1
DUOX: ref. SSLA05N_4

6PB + KPAD
VDS: ref. SSLA06N_3
4+N: ref. SSLA06N_1
DUOX: ref. SSLA06N_4

7PB + KPAD
VDS: ref. SSLA07N_3
4+N: ref. SSLA07N_1
DUOX: ref. SSLA07N_4

8PB + KPAD
VDS: ref. SSLA08N_3
4+N: ref. SSLA08N_1
DUOX: ref. SSLA08N_4

9PB + KPAD
VDS: ref. SSLA09N_3
4+N: ref. SSLA09N_1
DUOX: ref. SSLA09N_4

SERIE ST4 Panel: 150x485

10PB + KPAD
VDS: ref. SSLA10N_3
4+N: ref. SSLA10N_1
DUOX: ref. SSLA10N_4

11PB + KPAD
VDS: ref. SSLA11N_3
4+N: ref. SSLA11N_1
DUOX: ref. SSLA11N_4

12PB + KPAD
VDS: ref. SSLA12N_3
4+N: ref. SSLA12N_1
DUOX: ref. SSLA12N_4

13PB + KPAD
VDS: ref. SSLA13N_3
4+N: ref. SSLA13N_1
DUOX: ref. SSLA13N_4

14PB + KPAD
VDS: ref. SSLA14N_3
4+N: ref. SSLA14N_1
DUOX: ref. SSLA14N_4

15PB + KPAD
VDS: ref. SSLA15N_3
4+N: ref. SSLA15N_1
DUOX: ref. SSLA15N_4

16PB + KPAD
VDS: ref. SSLA16N_3
4+N: ref. SSLA16N_1
DUOX: ref. SSLA16N_4

17PB + KPAD
VDS: ref. SSLA17N_3
4+N: ref. SSLA17N_1
DUOX: ref. SSLA17N_4

18PB + KPAD
VDS: ref. SSLA18N_3
4+N: ref. SSLA18N_1
DUOX: ref. SSLA18N_4

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

AUDIO MARINE PANEL

AUDIO MARINE PANELS WITH PUSH BUTTONS & PROXIMITY READER

SERIES ST2 Panel: 150x240

1PB + PROX
VDS: ref. SSLA01X_3
4+N: ref. SSLA01X_1
DUOX: ref. SSLA01X_4

2PB + PROX
VDS: ref. SSLA02X_3
4+N: ref. SSLA02X_1
DUOX: ref. SSLA02X_4

3PB + PROX
VDS: ref. SSLA03X_3
4+N: ref. SSLA03X_1
DUOX: ref. SSLA03X_4

SERIES ST3 Panel: 150x360

4PB + PROX
VDS: ref. SSLA04X_3
4+N: ref. SSLA04X_1
DUOX: ref. SSLA04X_4

5PB + PROX
VDS: ref. SSLA05X_3
4+N: ref. SSLA05X_1
DUOX: ref. SSLA05X_4

6PB + PROX
VDS: ref. SSLA06X_3
4+N: ref. SSLA06X_1
DUOX: ref. SSLA06X_4

7PB + PROX
VDS: ref. SSLA07X_3
4+N: ref. SSLA07X_1
DUOX: ref. SSLA07X_4

8PB + PROX
VDS: ref. SSLA08X_3
4+N: ref. SSLA08X_1
DUOX: ref. SSLA08X_4

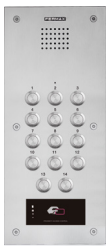
9PB + PROX
VDS: ref. SSLA09X_3
4+N: ref. SSLA09X_1
DUOX: ref. SSLA09X_4

10PB + PROX
VDS: ref. SSLA10X_3
4+N: ref. SSLA10X_1
DUOX: ref. SSLA10X_4

11PB + PROX
VDS: ref. SSLA11X_3
4+N: ref. SSLA11X_1
DUOX: ref. SSLA11X_4

12PB + PROX
VDS: ref. SSLA12X_3
4+N: ref. SSLA12X_1
DUOX: ref. SSLA12X_4

13PB + PROX
VDS: ref. SSLA13X_3
4+N: ref. SSLA13X_1
DUOX: ref. SSLA13X_4



14PB + PROX
VDS: ref. SSLA14X_3
4+N: ref. SSLA14X_1
DUOX: ref. SSLA14X_4

15PB + PROX
VDS: ref. SSLA15X_3
4+N: ref. SSLA15X_1
DUOX: ref. SSLA15X_4

SERIES ST4 Panel: 150x485

16PB + PROX
VDS: ref. SSLA16X_3
4+N: ref. SSLA16X_1
DUOX: ref. SSLA16X_4

17PB + PROX
VDS: ref. SSLA17X_3
4+N: ref. SSLA17X_1
DUOX: ref. SSLA17X_4

18PB + PROX
VDS: ref. SSLA18X_3
4+N: ref. SSLA18X_1
DUOX: ref. SSLA18X_4

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

FERMAX AUDIO MARINE PANEL

AUDIO MARINE PANELS WITH PUSH BUTTONS & PAC CUT OUT

(Paxton Reader not included)

SERIES ST2 Panel: 150x240

1PB + PAC
VDS: ref. SSLA01P_3
4+N: ref. SSLA01P_1
DUOX: ref. SSLA01P_4

2PB + PAC
VDS: ref. SSLA02P_3
4+N: ref. SSLA02P_1
DUOX: ref. SSLA02P_4

3PB + PAC
VDS: ref. SSLA03P_3
4+N: ref. SSLA03P_1
DUOX: ref. SSLA03P_4

SERIES ST3 Panel: 150x360

4PB + PAC
VDS: ref. SSLA04P_3
4+N: ref. SSLA04P_1
DUOX: ref. SSLA04P_4

5PB + PAC
VDS: ref. SSLA05P_3
4+N: ref. SSLA05P_1
DUOX: ref. SSLA05P_4

6PB + PAC
VDS: ref. SSLA06P_3
4+N: ref. SSLA06P_1
DUOX: ref. SSLA06P_4

7PB + PAC
VDS: ref. SSLA07P_3
4+N: ref. SSLA07P_1
DUOX: ref. SSLA07P_4

8PB + PAC
VDS: ref. SSLA08P_3
4+N: ref. SSLA08P_1
DUOX: ref. SSLA08P_4

9PB + PAC
VDS: ref. SSLA09P_3
4+N: ref. SSLA09P_1
DUOX: ref. SSLA09P_4

10PB + PAC
VDS: ref. SSLA10P_3
4+N: ref. SSLA10P_1
DUOX: ref. SSLA10P_4

11PB + PAC
VDS: ref. SSLA11P_3
4+N: ref. SSLA11P_1
DUOX: ref. SSLA11P_4

12PB + PAC
VDS: ref. SSLA12P_3
4+N: ref. SSLA12P_1
DUOX: ref. SSLA12P_4

13PB + PAC
VDS: ref. SSLA13P_3
4+N: ref. SSLA13P_1
DUOX: ref. SSLA13P_4

14PB + PAC
VDS: ref. SSLA14P_3
4+N: ref. SSLA14P_1
DUOX: ref. SSLA14P_4

15PB + PAC
VDS: ref. SSLA15P_3
4+N: ref. SSLA15P_1
DUOX: ref. SSLA15P_4

SERIE ST4 Panel: 150x485

16PB + PAC
VDS: ref. SSLA16P_3
4+N: ref. SSLA16P_1
DUOX: ref. SSLA16P_4

17PB + PAC
VDS: ref. SSLA17P_3
4+N: ref. SSLA17P_1
DUOX: ref. SSLA17P_4

18PB + PAC
VDS: ref. SSLA18P_3
4+N: ref. SSLA18P_1
DUOX: ref. SSLA18P_4

VIDEO MARINE PANEL

VIDEO MARINE PANELS WITH PUSH BUTTONS ONLY

SERIES ST1 Panel: 150x180

1PB
VDS: ref. SSLV01_3
4+N: ref. SSLV01_1
DUOX: ref. SSLV01_4

2PB
VDS: ref. SSLV02_3
4+N: ref. SSLV02_1
DUOX: ref. SSLV02_4

3PB
VDS: ref. SSLV03_3
4+N: ref. SSLV03_1
DUOX: ref. SSLV03_4

SERIES ST2 Panel: 150x240

4PB
VDS: ref. SSLV04_3
4+N: ref. SSLV04_1
DUOX: ref. SSLV04_4

5PB
VDS: ref. SSLV05_3
4+N: ref. SSLV05_1
DUOX: ref. SSLV05_4

6PB
VDS: ref. SSLV06_3
4+N: ref. SSLV06_1
DUOX: ref. SSLV06_4

7PB
VDS: ref. SSLV07_3
4+N: ref. SSLV07_1
DUOX: ref. SSLV07_4

8PB
VDS: ref. SSLV08_3
4+N: ref. SSLV08_1
DUOX: ref. SSLV08_4

9PB
VDS: ref. SSLV09_3
4+N: ref. SSLV09_1
DUOX: ref. SSLV09_4

SERIES ST3 Panel: 150x360

10PB
VDS: ref. SSLV10_3
4+N: ref. SSLV10_1
DUOX: ref. SSLV10_4

11PB
VDS: ref. SSLV11_3
4+N: ref. SSLV11_1
DUOX: ref. SSLV11_4

12PB
VDS: ref. SSLV12_3
4+N: ref. SSLV12_1
DUOX: ref. SSLV12_4

13PB
VDS: ref. SSLV13_3
4+N: ref. SSLV13_1
DUOX: ref. SSLV13_4

14PB
VDS: ref. SSLV14_3
4+N: ref. SSLV14_1
DUOX: ref. SSLV14_4

15PB
VDS: ref. SSLV15_3
4+N: ref. SSLV15_1
DUOX: ref. SSLV15_4

16PB
VDS: ref. SSLV16_3
4+N: ref. SSLV16_1
DUOX: ref. SSLV16_4

17PB
VDS: ref. SSLV17_3
4+N: ref. SSLV17_1
DUOX: ref. SSLV17_4

18PB
VDS: ref. SSLV18_3
4+N: ref. SSLV18_1
DUOX: ref. SSLV18_4

FERMAX VIDEO MARINE PANEL

VIDEO MARINE PANELS WITH PUSH BUTTONS & KEYPAD

SERIES ST3 Panel: 150x360

1PB + KPAD
VDS: ref. SSLV01N_3
4+N: ref. SSLV01N_1
DUOX: ref. SSLV01N_4

2PB + KPAD
VDS: ref. SSLV02N_3
4+N: ref. SSLV02N_1
DUOX: ref. SSLV02N_4

3PB + KPAD
VDS: ref. SSLV03N_3
4+N: ref. SSLV03N_1
DUOX: ref. SSLV03N_4

4PB + KPAD
VDS: ref. SSLV04N_3
4+N: ref. SSLV04N_1
DUOX: ref. SSLV04N_4

5PB + KPAD
VDS: ref. SSLV05N_3
4+N: ref. SSLV05N_1
DUOX: ref. SSLV05N_4

6PB + KPAD
VDS: ref. SSLV06N_3
4+N: ref. SSLV06N_1
DUOX: ref. SSLV06N_4

7PB + KPAD
VDS: ref. SSLV07N_3
4+N: ref. SSLV07N_1
DUOX: ref. SSLV07N_4

8PB + KPAD
VDS: ref. SSLV08N_3
4+N: ref. SSLV08N_1
DUOX: ref. SSLV08N_4

9PB + KPAD
VDS: ref. SSLV09N_3
4+N: ref. SSLV09N_1
DUOX: ref. SSLV09N_4

SERIE ST4 Panel: 150 x 485

10PB + KPAD
VDS: ref. SSLV10N_3
4+N: ref. SSLV10N_1
DUOX: ref. SSLV10N_4

11PB + KPAD
VDS: ref. SSLV11N_3
4+N: ref. SSLV11N_1
DUOX: ref. SSLV11N_4

12PB + KPAD
VDS: ref. SSLV12N_3
4+N: ref. SSLV12N_1
DUOX: ref. SSLV12N_4

13PB + KPAD
VDS: ref. SSLV13N_3
4+N: ref. SSLV13N_1
DUOX: ref. SSLV13N_4

14PB + KPAD
VDS: ref. SSLV14N_3
4+N: ref. SSLV14N_1
DUOX: ref. SSLV14N_4

15PB + KPAD
VDS: ref. SSLV15N_3
4+N: ref. SSLV15N_1
DUOX: ref. SSLV15N_4

16PB + KPAD
VDS: ref. SSLV16N_3
4+N: ref. SSLV16N_1
DUOX: ref. SSLV16N_4

17PB + KPAD
VDS: ref. SSLV17N_3
4+N: ref. SSLV17N_1
DUOX: ref. SSLV17N_4

18PB + KPAD
VDS: ref. SSLV18N_3
4+N: ref. SSLV18N_1
DUOX: ref. SSLV18N_4

MARINE PANEL

VIDEO MARINE PANELS WITH PUSH BUTTONS & PROXIMITY READER

SERIES ST2 Panel: 150x240

1PB + PROX
VDS: ref. SSLV01X_3
4+N: ref. SSLV01X_1
DUOX: ref. SSLV01X_4

2PB + PROX
VDS: ref. SSLV02X_3
4+N: ref. SSLV02X_1
DUOX: ref. SSLV02X_4

3PB + PROX
VDS: ref. SSLV03X_3
4+N: ref. SSLV03X_1
DUOX: ref. SSLV03X_4

SERIES ST3 Panel: 150x360

4PB + PROX
VDS: ref. SSLV04X_3
4+N: ref. SSLV04X_1
DUOX: ref. SSLV04X_4

5PB + PROX
VDS: ref. SSLV05X_3
4+N: ref. SSLV05X_1
DUOX: ref. SSLV05X_4

6PB + PROX
VDS: ref. SSLV06X_3
4+N: ref. SSLV06X_1
DUOX: ref. SSLV06X_4

7PB + PROX
VDS: ref. SSLV07X_3
4+N: ref. SSLV07X_1
DUOX: ref. SSLV07X_4

8PB + PROX
VDS: ref. SSLV08X_3
4+N: ref. SSLV08X_1
DUOX: ref. SSLV08X_4

9PB + PROX
VDS: ref. SSLV09X_3
4+N: ref. SSLV09X_1
DUOX: ref. SSLV09X_4

10PB + PROX
VDS: ref. SSLV10X_3
4+N: ref. SSLV10X_1
DUOX: ref. SSLV10X_4

11PB + PROX
VDS: ref. SSLV11X_3
4+N: ref. SSLV11X_1
DUOX: ref. SSLV11X_4

12PB + PROX
VDS: ref. SSLV12X_3
4+N: ref. SSLV12X_1
DUOX: ref. SSLV12X_4

13PB + PROX
VDS: ref. SSLV13X_3
4+N: ref. SSLV13X_1
DUOX: ref. SSLV13X_4

14PB + PROX
VDS: ref. SSLV14X_3
4+N: ref. SSLV14X_1
DUOX: ref. SSLV14X_4

15PB + PROX
VDS: ref. SSLV15X_3
4+N: ref. SSLV15X_1
DUOX: ref. SSLV15X_4

SERIES ST4 Panel: 150x485

16PB + PROX
VDS: ref. SSLV16X_3
4+N: ref. SSLV16X_1
DUOX: ref. SSLV16X_4

17PB + PROX
VDS: ref. SSLV17X_3
4+N: ref. SSLV17X_1
DUOX: ref. SSLV17X_4

18PB + PROX
VDS: ref. SSLV18X_3
4+N: ref. SSLV18X_1
DUOX: ref. SSLV18X_4

FERMAX VIDEO MARINE PANEL

VIDEO MARINE PANELS WITH PUSH BUTTONS & PAC CUT OUT

(Paxton Reader not included)

SERIES ST2 Panel: 150x240

1PB + PAC
VDS: ref. SSLV01P_3
4+N: ref. SSLV01P_1
DUOX: ref. SSLV01P_4

2PB + PAC
VDS: ref. SSLV02P_3
4+N: ref. SSLV02P_1
DUOX: ref. SSLV02P_4

3PB + PAC
VDS: ref. SSLV03P_3
4+N: ref. SSLV03P_ 1
DUOX: ref. SSLV03P_4

SERIES ST3 Panel: 150x360

4PB + PAC
VDS: ref. SSLV04P_3
4+N: ref. SSLV04P_1
DUOX: ref. SSLV04P_4

5PB + PAC
VDS: ref. SSLV05P_3
4+N: ref. SSLV05P_1
DUOX: ref. SSLV05P_4

6PB + PAC
VDS: ref. SSLV06P_3
4+N: ref. SSLV06P_1
DUOX: ref. SSLV06P_4

7PB + PAC
VDS: ref. SSLV07P_3
4+N: ref. SSLV07P_1
DUOX: ref. SSLV07P_4

8PB + PAC
VDS: ref. SSLV08P_3
4+N: ref. SSLV08P_1
DUOX: ref. SSLV08P_4

9PB + PAC
VDS: ref. SSLV09P_3
4+N: ref. SSLV09P_1
DUOX: ref. SSLV09P_4

10PB + PAC
VDS: ref. SSLV10P_3
4+N: ref. SSLV10P_1
DUOX: ref. SSLV10P_4

11PB + PAC
VDS: ref. SSLV11P_3
4+N: ref. SSLV11P_1
DUOX: ref. SSLV11P_4

12PB + PAC
VDS: ref. SSLV12P_3
4+N: ref. SSLV12P_1
DUOX: ref. SSLV12P_4

13PB + PAC
VDS: ref. SSLV13P_3
4+N: ref. SSLV13P_1
DUOX: ref. SSLV13P_4

14PB + PAC
VDS: ref. SSLV14P_3
4+N: ref. SSLV14P_1
DUOX: ref. SSLV14P_4

15PB + PAC
VDS: ref. SSLV15P_3
4+N: ref. SSLV15P_1
DUOX: ref. SSLV15P_4

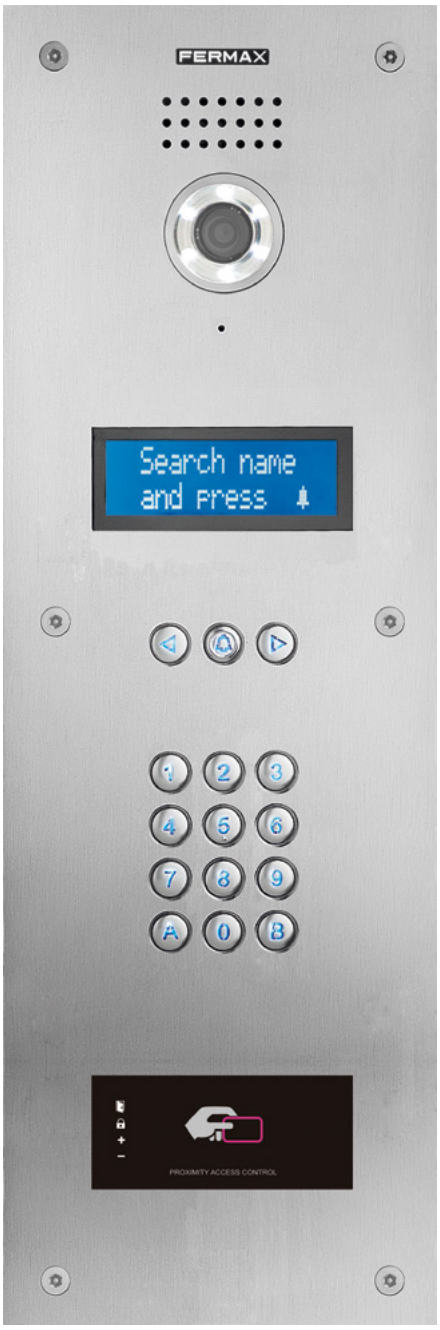
SERIE ST4 Panel: 150x485

16PB + PAC
VDS: ref. SSLV16P_3
4+N: ref. SSLV16P_1
DUOX: ref. SSLV16P_4

17PB + PAC
VDS: ref. SSLV17P_3
4+N: ref. SSLV17P_1
DUOX: ref. SSLV17P_4

18PB + PAC
VDS: ref. SSLV18P_3
4+N: ref. SSLV18P_1
DUOX: ref. SSLV18P_4

MARINE DIGITAL PANEL

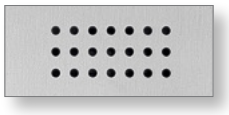


IP54 IK09

COLOUR CAMERA as standard.

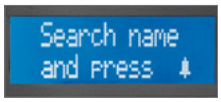
Includes: illumination for night vision in poor lighting conditions. PAN & TILT system to adjust camera lens (+/-10°).

AMPLIFIER



Amplifier manufactured in SMD and subjected to tropicalization process for weather resistance. Voice synthesizer configurable in 32 languages. Loudspeaker ensures high performance level and sound quality.

DISPLAY



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

METALLIC KEYPAD

High contrast, enables to view the names of the residents and the codes through a phone book type DIRECTORY. The display shows the communication status: calling, busy channel, etc.
The keys ◁ ▷ allow to browse through the user and programming menu.
Once the door code is entered, press 🔔 to call the house.

VANDAL-PROOF SAFETY BOLTS

That can only be removed with a special key supplied.

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 entered, 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 type of panel: 350 codes (VDS) and 1,020 codes (MDS with Central Unit ref.2405) .

DIGITAL PANELS

Flush or surface box must be requested separately.

DUOX

5523 DUOX DIGITAL AUDIO MARINE PANEL ST3

5483 DUOX DIGITAL VIDEO MARINE PANEL ST3

VDS

5468 VDS DIGITAL VIDEO MARINE PANEL ST3

5465 VDS DIGITAL AUDIO MARINE PANEL ST3

MDS

5470 MDS DIGITAL VIDEO MARINE PANEL ST3

5467 MDS DIGITAL AUDIO MARINE PANEL ST3

LYNX

5485 LYNX DIGITAL VIDEO MARINE PANEL ST3

ref.5483 / ref.5468 / ref.5470

ST3: 150x360

ref.5523 / ref.5465 / ref.5467

ST3: 150x360

ACCESSORIES

4643	MARINE FLUSH BOX ST3	130x340x55
4703	MARINE HOOD ST3	154x364x40
4647	MARINE SURFACE BOX ST3	154x364x55. With hood
2289	JOINING BOLTS SET	

ACCESS CONTROL READERS

The reader includes the flush box ref.4641. Dimensions ST1: 150x180.

4699 MEMOKEY MARINE READER

4696 MDS/AC+ MARINE KEYPAD

5472 MARINE PROXIMITY READER

5482 MARINE FINGERPRINT READER

5473 MARINE BLUETOOTH READER

ref.4699

ref.5472

ref.5482

ref.5473

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

MARINE DIGITAL PANELS

Marine by FERMAX

DIGITAL PANELS WITH PROXIMITY READER

Proximity reader included. Flush or surface box must requested separately.

VDS

5481 VDS DIG. VIDEO MARINE PANEL W/PROX ST4

5479 VDS DIG. AUDIO MARINE PANEL W/PROX ST4

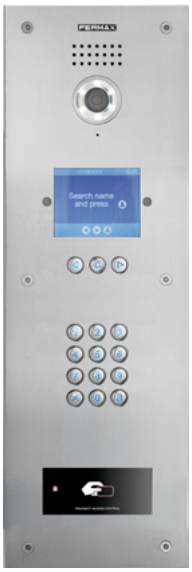
MDS

5480 MDS DIG. VIDEO MARINE PANEL W/PROX ST4

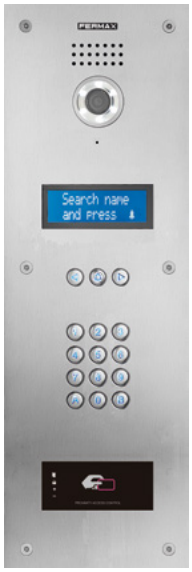
5478 MDS DIG. AUDIO MARINE PANEL W/PROX ST4

LYNX

5486 LYNX DIG. VIDEO MARINE PANEL W/PROX



ref.5486
ST4: 150x485



ref.5481/ref.5480
ST4: 150x485

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 PAC CUT OUT

Paxton reader not included. Flush or surface box must be requested separately.

VDS

5508 VDS DIGITAL VIDEO MARINE PANEL W/PAC ST4

5506 VDS DIGITAL AUDIO MARINE PANEL W/PAC ST4

MDS

5505 MDS DIGITAL VIDEO MARINE PANEL W/PAC ST4

5507 MDS DIGITAL AUDIO MARINE PANEL W/PAC ST4

ref.5508/ref.5505
ST4: 150x485

ACCESSORIES

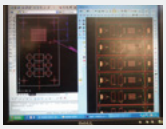
4644	MARINE FLUSH BOX ST4	130x460x55
4704	MARINE HOOD ST4	154x489x40
4648	MARINE SURFACE BOX ST4.	154x489x55. With hood
2289	JOINING BOLTS SET	

BESPOKE PANELS

FERMAX has a laser-cut machining line for stainless steel panels. This process allows us complete flexibility to make the Marine panel required, with optimum delivery time for the customised panel.
Choose your combination, design your panel in the next page form, and send your order to sales@fermaxuk.com

The following variations may be ordered:

- Panel with special formats and dimensions.
- Integration of fingerprint reader, access control modules and special combinations with amplifier, push buttons and other accessories.
- Logotype laser marking.
- House number and messages integration.
- Push buttons without cardholder and free layout.
- Including backlighting.



Manufacturing process of the Marine Panel in Fermax, Spain

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

SSLQ BESPOKE MARINE PANEL

FERMAX

BESPOKE MARINE PANEL FORM

SIZE
(if any special requirement)

- ☐ ST1 (150 x 180 mm)
- ☐ ST2 (150 x 240 mm)
- ☐ ST3 (150 x 360 mm)
- ☐ ST4 (150 x 485 mm)

SPECIAL DIMENSIONS

(width x height)

TYPE OF AMPLIFIER

AUDIO ☐ VIDEO ☐

TECHNOLOGY

- VDS ☐
- 4+N/MDS ☐
- DUOX ☐
- LYNX ☐

NUMBER OF PUSH BUTTONS

Nº ☐

TYPE OF PUSH BUTTONS

- NAME CARDHOLDER ☐
- ENGRAVED BUTTONS ☐

DIGITAL (Display + keypad)

YES ☐ NO ☐

KEYPAD

YES ☐ NO ☐

PROXIMITY READER

YES ☐ NO ☐

DDA MODULE

YES ☐ NO ☐

PAC CUT OUT

YES ☐ NO ☐

DIGITIZER

YES ☐ NO ☐

ENGRAVING

YES ☐ NO ☐

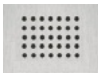
FINGERPRINT READER

YES ☐ NO ☐

TYPE OF BOX

YES ☐ NO ☐

ELEMENTS


Amplifier

Amplifier+Camera

Pushbutton

Digital Display

Keypad

Proximity

Pac cut out

OneToOne

Finger print

ENGRAVING

DRAW YOUR PANEL

MARK THE TYPE OF BOX:

☐ FLUSH BOX ☐ SURFACE BOX ☐ WITHOUT BOX

COMPANY NAME:	**CONTACT PERSON:**
TELEPHONE:	**E-MAIL:**

"Special Marine Application Form" for panels is available at www.fermax.co.uk

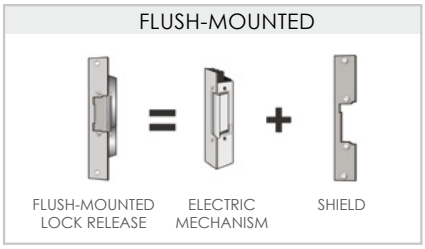
LOCK RELEASE

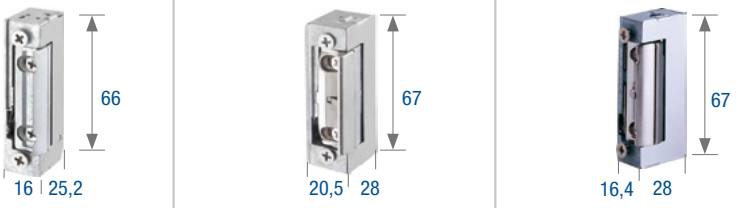
FERMAX

FLUSH-MOUNTED. SURFACE. **SPECIALS.** ACCESSORIES

FERMAX ELECTRIC LOCK RELEASE

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

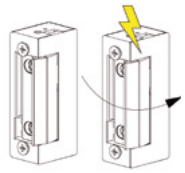




	UNIVERSAL (990)		UNIVERSAL STANDARD (540)		EUROPEAN PROFILE (410)	
N, A	12Vac/dc	250mA/280mA	12Vac	980mA	12Vac	980mA
N-412			12Vdc	260mA	12Vdc	400mA
N-512	12Vdc	175mA	12Vdc	200mA		
A-424			24Vdc	180mA		
MAX	+ 2 mm		+ 3 mm		+ 1 mm	

OPERATING MODES

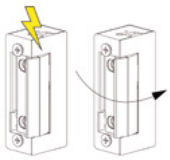
NORMAL OPERATION - N



Allows door opening while the lock is powered.

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

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

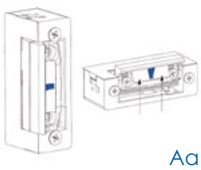
AUTOMATIC OPERATION - A

Ab (Sliding automatic) & Aa (Invisible automatic)

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

A Automatic operation

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



Ab Sliding automatic operation

Lets you slide the automatic function with the MAX latch setting.

Ab	12 Vac activation
Ab-412	12 Vdc activation

Aa **Invisible** automatic operation

The automatic pin is suppressed to allow an easier fit to the mechanical lock. A very short electrical pulse is recommended.

Aa	12 Vac activation
Aa-412	12 Vdc activation

ADDITIONAL OPERATION

D

- Unlocking level – D

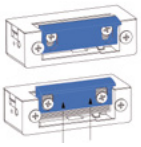
The lock release with D in its description indicates the addition of a manual release lever which inhibits its function, which inhibits its operation, allowing free access.

- ND Normal operation with release.
- AD Automatic operation with release.

CTC

- Built-in microswitch - CTC

Allows monitoring of door status (open/closed). Suitable for security systems. Not available for MAX version.



MAX

- Adjustable latch bolt - MAX

Allows 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.**

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

1. FLUSH-MOUNTED LOCK RELEASE

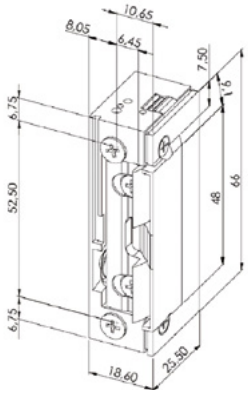
990 MULTIVOLTAGE UNIVERSAL SERIES

Requires a S short shield (ref.2973) or P22 (ref.2894) or M large shield (ref.2893) or L22 (ref.2892). The TOP version requires S short shield (ref.7770) or YG large type (ref.7771).

67501	LOCK RELEASE 990N-P22 10-24V MAX	
67511	LOCK RELEASE 990ND-P22 10-24V MAX	
1817	LOCK RELEASE 990ND-L22 10-24V MAX	
67521	LOCK RELEASE 990A-P22 10-24V MAX	
67531	LOCK RELEASE 990AD-P22 10-24V MAX	
67532	LOCK RELEASE 990AD-L22 10-24V MAX	
6750	MECHANISM 990N MAX	10-24Vac/dc
1813	MECHANISM 990ND MAX	10-24Vac/dc
1814	MECHANISM 990ND TOPMAX	10-24Vac/dc
6753	MECHANISM 990AD MAX	10-24Vac/dc
6780	MECHANISM 990N-512 MAX	**12Vdc**
67500	MECHANISM 990N CTC	10-24Vac/dc
67800	MECHANISM 990N-512 CTC	**12Vdc**

990 SERIES

990 990TOP



990TOP

990 Series Consumption	
N	12Vac: 250mA 12Vdc: 280mA 24Vac: 500mA 24Vdc: 560mA
N-512	12Vdc: 175mA

540 STANDARD SERIES

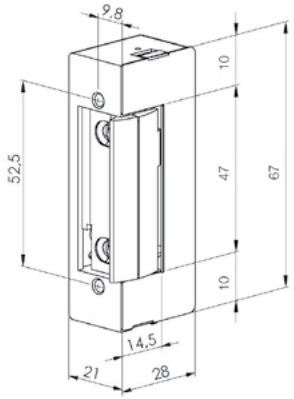
With MAX adjustable latchbolt version. Reversible and symmetrical. Electric strike requires a short S shield (ref.2973) or a large M shield (ref.2893).

30711	LOCK RELEASE 540N-S MAX	12 Vac
28341	LOCK RELEASE 540ND-S MAX	12 Vac
1821	LOCK RELEASE 540Ab-S MAX	12 Vac
64551	LOCK RELEASE 540AbD-S MAX	12 Vac
30701	LOCK RELEASE 540N-412-S MAX	12 Vdc
1820	LOCK RELEASE 540Ab-412-S MAX	12 Vdc
64651	LOCK RELEASE 540AbD -412-S MAX	12 Vdc
64801	LOCK RELEASE 540N-512-S MAX	12 Vdc
64721	LOCK RELEASE 540A-424-S MAX	24Vdc
1777	MECHANISM 540N MAX	12 Vac
1780	MECHANISM 540Aa MAX	12 Vac
1781	MECHANISM 540AaD MAX	12 Vac
1728	MECHANISM 540Aa-412 MAX	12 Vdc
1794	MECHANISM 540N-512 MAX	12 Vdc

540 SERIES

540Ab MAX

540 Series Consumption	
N,A	980mA
N-412	260mA
N-512	200mA
A-424	180mA



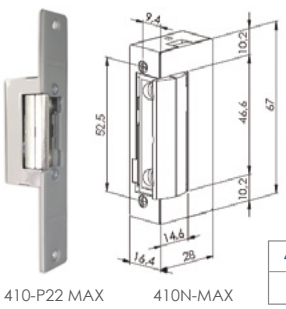
540Ab-S

410 SERIES. EUROPEAN PROFILE

Recommended for very thin frames.

3040	LOCK RELEASE 410N-P22 MAX	12 Vac
3048	LOCK RELEASE 410A-P22 MAX	12 Vac
3068	LOCK RELEASE 410AD-P22 MAX	12 Vac

410 SERIES



410-P22 MAX 410N-MAX

410 Consumption series		
N,A	12Vac	980mA

2. SURFACE LOCK RELEASE

2001-2003 SERIES

Reversible and non symmetrical.

2923 LOCK RELEASE N-2001 CHROME
2917 LOCK RELEASE A-2001 CHROME
2940 LOCK RELEASE N-2003 ALUM. ANOD.
2942 LOCK RELEASE A-2003 ALUM. ANOD.

Allows MAX version: add 8 at the end of the reference.

2001 SERIES

2003 SERIES

2000 Consumption Series		
N	12Vac	980mA

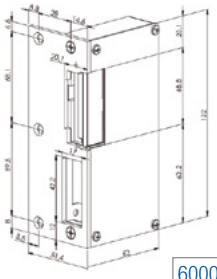
6000 SERIES

For doors with bolt locks. Reversible. Right-hand and left-hand opening. 12Vac activation.

3004 LOCK RELEASE 6000N GREY
3005 LOCK RELEASE 6000A GREY
3021 MECHANISM 660N GREY

SERIES 6000

6000A DIN Left



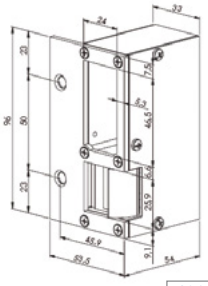
6000 Consumption Series		
N,A	12Vac	980mA

480 SERIES

For deadbolt entry doors. Reversible, symmetrical. With bolt up to 20mm. 12Vac activation.

3030 LOCK RELEASE 480N
3031 LOCK RELEASE 480A

480 SERIES



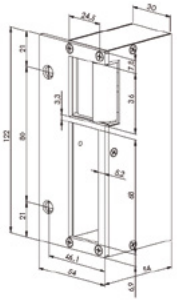
480-490 Series Consumption		
N,A	12Vac	980mA

490 SERIES

For deadbolt entry doors. Reversible, symmetrical. With bolt up to 20mm. 12Vac activation.

3034 LOCK RELEASE 490N
3035 LOCK RELEASE 490A

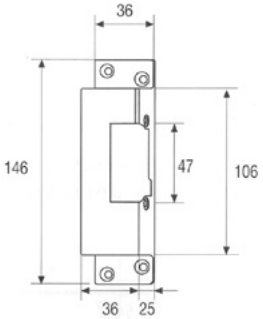
490 SERIES



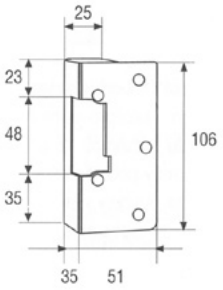
SURFACE LOCK RELEASE ACCESSORIES

2979 2001-TYPE CHROME CASE
2987 2006-TYPE GREY CASE
2964 2007-TYPE GREY CASE

Compatible with 540 and 990 mechanism series.



2001-2006



2007

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

3. SPECIAL LOCK RELEASE

ELECTRIC RIM LOCK

Electric lock for more security. Automatic operation.

2878 ELECTRIC RIM LOCK 961 DOUBLE KEY
2879 ELECTRIC RIM LOCK 962 WITH KEY + PUSH

C GLASS / CII GLASS SERIES

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

2998 GLASS CAD CHROMED LOCK RELEASE

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

8000 SERIES / P SERIES (ANTI-PANIC)

8000 series with chain for opening of doors with surface locks with knob. P series antipanic surface locks with handle to fit doors with panic bars.

2984 8000N LOCK RELEASE WITH CHAIN
3064 PN LOCK RELEASE

AUTOMATIC LOCK

850 Series. 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.

3102 AUTOMATIC LOCK 850/25 A

For aluminium doors.

ELECTROMAGNETICS

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

3050 FLUSH-MOUNTED 300KG
30503 FLUSH-MOUNTED 750KG (swing door)
3052 SURFACE 300KG

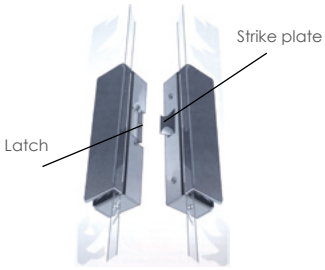
The lock release can be installed in wall with bracket.

3078 BRACKET (for ref.3052)
3079 DOUBLE Z BRACKET
2837 U BRACKET (for ref.3052)

960 SERIES

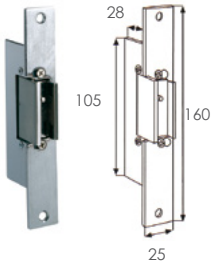
960 Series Consumption	
12Vac/Vdc	850mA/1,7A

C SERIES



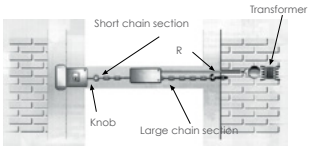
C Series Consumption		
N,A	12Vac	980mA

CII SERIES



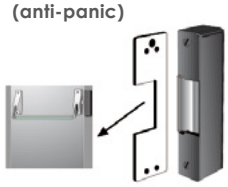
CII Series Consumption		
N-512	12Vdc	150mA

8000 SERIES (with chain)

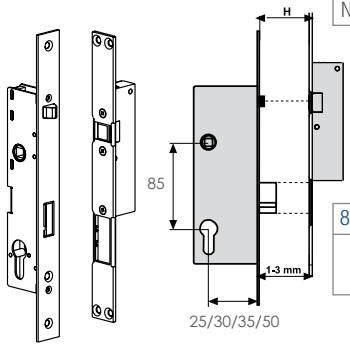


8000 Series consumption		
N	12Vac	980mA

P SERIES (anti-panic)



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



850 Series consumption	
12Vdc	1.350mA
12Vac	990mA

ELECTROMAGNETIC Series consumption	
12Vdc	500mA
24Vdc	250mA

4. ACCESSORIES

FLUSH-MOUNTED LOCK RELEASE (Shields)

2973 S-TYPE SHIELD
2893 M-TYPE SHIELD
2975 G-TYPE GREY SHIELD (36mm)
2985 GE-TYPE GREY SHIELD (12mm)
2979 2001-TYPE CHROME CASE

FOR ALL TYPE OF LOCK RELEASE

2913 DOUBLE DOOR CONTACT 2C (WHITE)
7776 DOUBLE DOOR CONTACT 2C (BLACK)
2922 TRIPLE DOOR CONTACT 3C
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. 12Vc/2A
1076 MAGNETIC CONTACT
2894 P22-TYPE GREY SHIELD
2892 L22-TYPE GREY SHIELD
7770 YSX-TYPE SHORT SHIELD STA.STEEL.
7771 YGX-TYPE LARGE SHIELD STA.STEEL.

MONITORS & TELEPHONES

FERMAX

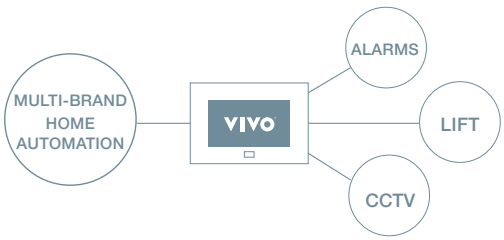
VIVO MONITOR SMILE MONITOR **ILOFT MONITOR** LOFT MONITOR
ILOFT TELEPHONE **LOFT TELEPHONE** CITYMAX TELEPHONE **UNIVERSAL FRAME**

VIVO MONITOR

Hands-free slim line VIVO monitor with crystal surface.

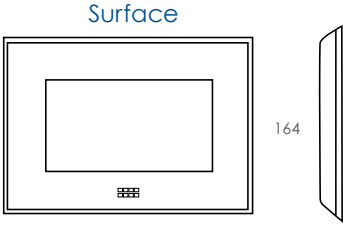
Featuring a high tech 7-inch capacitive touch screen, the VIVO monitor operation flows naturally, offering a full and extensive range of operating options and multi-task capacities.

VIVO provides comprehensive and effective control over communication, security and comfort, operating with Full-IP technology. Android operative system. **Surface installation.**



DIMENSIONS / INSTALLATION

Surface



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

FUNCTIONS

- TFT Colour screen.
- Hands-free communication.
- Calls to and from:
  - Lynx panels.
  - Any Property Management 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 push buttons 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.

CALL DIVERT TO SMARTPHONE AND TABLETS

By incorporating a LYNX router in the installation, calls received at the door entry panel can be diverted to mobile devices, where the user can view the visitor's picture, set up communication with them and, if desired, open the door.

PERSONALISATION & INTEGRATION

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

FRIENDS LIST MANAGEMENT

Any call 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.

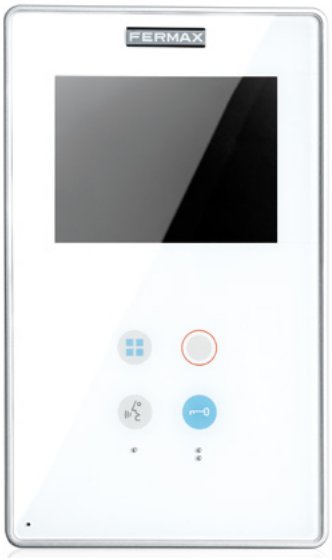
CCTV CAMERAS

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

LIFT

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

7" version



3.5" version

SMILE MONITOR

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

PERFORMANCE

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

CHOOSE YOUR COLOUR

ABSOLUTE WHITE
(white profile and monochrome push buttons)

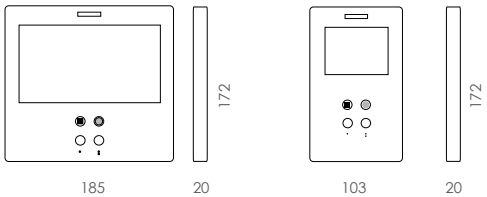
SILVER

BLACK

3.5" ABSOLUTE WHITE
(white profile and monochrome pushbuttons)

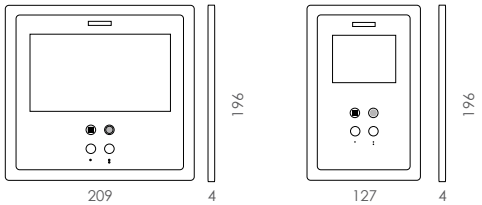
DIMENSIONS / INSTALLATION

Surface



20mm protrusion from the wall once fixed.

Flush-mounted



4mm protrusion from the wall once fixed.

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

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 to install a CCTV camera and view the image via the monitor.
- VDS technology.

INTUITIVE OSD MENU

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

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 "favourite".

ACCCESSORIES (Flush-mounted)

DECORATIVE FRAME

6552 SMILE 7" WHITE

6559 SMILE 7" SILVER

6560 SMILE 7" BLACK

7" Dim.: 209x196x4

6547 SMILE 3.5" WHITE

3.5" Dim.: 127X196X4

FLUSH BOX

6551 7" FLUSH BOX

Dim.: 198X186X44

6546 3.5" FLUSH BOX

Dim.: 112X186X44

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

LOFT MONITOR

The 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.
Surface installation.

PERFORMANCE

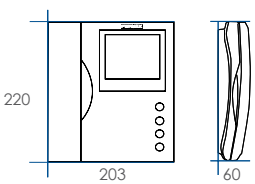
When a call is received, the image appears automatically on screen. When the handset is picked-up a conversation with the visitor can take place. Push the corresponding button to open the door. The image disappears after a few seconds, or when the handset is hanged.

FUNCTIONS

- Available in B/W, COLOUR and with memories.
- 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 push button (VDS version).
- Selectable call tones.
- Call volume control: high, medium, disconnected.
- Brightness, contrast and colour control.

DIMENSIONS / INSTALLATION

Surface



Monitor: 203x220x60.
Surface installation.

ACCESSORIES (optional)

3386 DECORATIVE FRAME

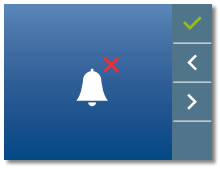
Dimensions: 250X240

3441 LOFT HANDSET W/INDUCTION LOOP

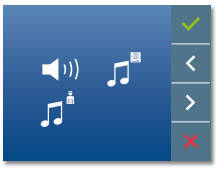
Adapted for people with a hearing disability.

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

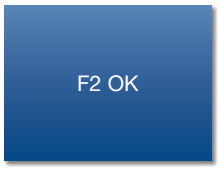
Autostart of cameras



"Do not disturb" function



Volume and melody selection



2nd additional function

QR code with DUOX information

LOFT DUOX MONITOR

The LOFT DUOX monitor maintains the same aesthetic as its version in other technologies, but provides other much more advanced features, thanks to its built-in full digital technology. *(Check availability)*.

OSD MENU

The OSD menu lets you browse the screen using intuitively interpreted graphic icons.

The icons displayed on the screen (browser buttons) are handled with the corresponding buttons located on the monitor:

- ✓ Confirm choice and activate function.
- < Select previous menu option.
- > Enter next menu option.
- ✕ Go back to previous screen or standby.

FUNCTIONS

- COLOUR TFT screen.
- Call to guard and door opener button.
- Autostart of main camera. If there is more than one panel, you can choose in which one you want to trigger the camera.
- **F1:** Button to activate 1 additional function: stair light switching, 2nd door opening, panic call, etc.
- **MENU:** Digital menu to configure and adjust the internal parametres:
  - Switch off call tone mode. "Do not disturb" function.
  - Selection of call melodies and volume.
  - **F2:** Activation of a 2nd additional function.
  - Brightness/Contrast/Colour adjustment.
  - **QR code:** access to www.duoxbyfermax.com that contains manuals, complements, catalogues, etc that Duox technology offers you.

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

Polycarbonate sheet

Multi-function PUSH BUTTONS

Audio output

3.5" TFT screen display with OSD menu

iLOFT VDS MONITOR

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

FUNCTIONS

- COLOUR TFT screen.
- Activate/deactivate the communication with the door entry panel.
- Call to guard and door opener button.
- Autostart of main camera.
- Door bell, for direct connection to house call pushbutton.
- **F1-F2:** Button to activate additional functions: stair light switching, 2nd door opening, panic call, etc.
- ▲ MENU ▼ OSD menu for adjustment/regulation of internal parameters.

- Call volume control: high, medium and disconnected.
- Ringtone selection.
- Brightness/Contrast/Colour adjustment.

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

DECORATIVE RAME

COVERS

Frontal colour covers.

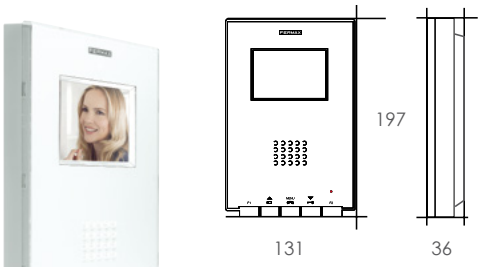
SILVER BLACK GOLD

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.

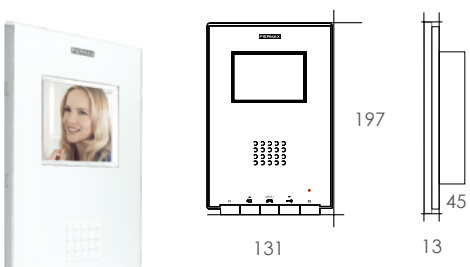
DIMENSIONS / INSTALLATION

Surface



36 mm protusion from the wall one fixed.

Flush-mounted



13 mm protusion from the wall one fixed.

REFERENCES

5631 DECORATIVE FRAME

Made of beveled crystal.
Only for flush-mounted monitor.

Dimensions: 189X256X6

FRONTAL COLOUR COVERS
(Only iLOFT VDS)

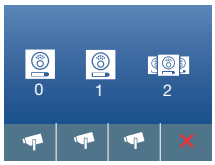
5635 GOLD
5634 BLACK
5633 SILVER

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

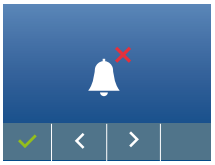
NEW

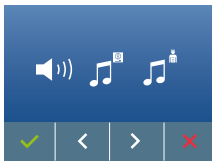
FERMAX MONITORS
AND TELEPHONES

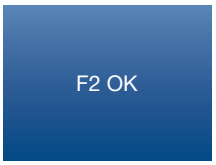
DUOX by FERMAX
iLOFT iLOFTPURE



Autostart cameras


"Do not disturb" function


Volume and melody selection



2nd additional function.

QR code with DUOX information

iLOFT DUOX MONITOR

The iLOFT DUOX monitor keeps the same look as versions in other technologies, but with much more advanced features thanks to the full digital technology incorporated.

Available in flush version (iLOFT DUOX) or surface mounted (iLOFT PURE DUOX).

(Check availability).

OSD MENU

The OSD menu lets you browse the screen using intuitively interpreted graphic icons.

The icons displayed on the screen (browser buttons) are handled with the corresponding buttons located on the monitor:

- ✓ Confirm choice and activate function.
- ‹ Select previous menu option.
- › Enter next menu option.
- ✕ Go back to previous screen or standby.

FUNCTIONS

- COLOUR TFT screen.
- Door opener button and call to guard.
- Autostart of main camera. If there is more than one panel, you can choose in which one you want to trigger the camera.
- **F1:** To activate an additional function: stair light switching, 2nd door, panic call, etc.
- **MENU:** Digital menu to configure and adjust the internal parametres:
  - Switch off call tone mode. "Do not disturb" function.
  - Selection of call melodies and volume.
  - **F2:** Activation of a 2nd additional function.
  - Brightness/Contrast/Colour adjustment.
  - **QR code:** access to www.duoxbyfermax.com,that contains manuals, complements, catalogues, etc that Duox technology offers you.

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 interferences.
Surface installation.

PERFORMANCE

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

FUNCTIONS

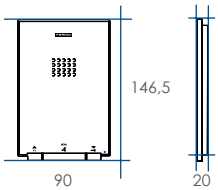
- Button to activate/deactivate the communication with the door entry panel
- Call to guard and door opener button.
- **F1:** Button to activate additional functions: stair light switching, 2nd door opening, panic call...
- 5 selectable or call tones.
- Sequential control volume.
  "Do not disturb" function: volume off-red led.
- Option change of operation, from hands-free to press-to-talk (PTT).
- VDS technology.

3 signaling leds:
- Blue: calling/in communication.
- Green: automatic opening function activated.
- Red: Do not disturb/volume off function.

- Automatic door opening (Doormatic).

DIMENSIONS / INSTALATION

Telephone: 90x146,5x20.
Surface installation.



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

LOFT TELEPHONE

Made of high-impact ABS plastic with a texturised finish for easy cleaning and ultraviolet protection. It has many attachment points for wall mounting, as well as coiled cord with telephone plug connectors.
A magnet located in the handset allows to hang it safely.

PERFORMANCE

When a call is received it is possible to establish a conversation with the outdoor panel. Push the corresponding button ⊓0 to open the door.

FUNCTIONS AND MODELS

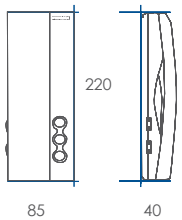
The **EXTRA version** includes the following features:

- ⊓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.

UNIVERSAL version can replace the majority of standard telephones from other brands, both call buzzer and electronic. Also classic Fermax models.

DIMENSIONS

85x220x40.



ACCESORIES (optional)

3380 DECORATIVE FRAME

An aesthetic complement. Useful in replacement applications or replacing from older equipment. Dimensions: 200x240.

3441 LOFT HANDSET W/INDUCTION LOOP

Adapted for people with auditive disabilities.

3749 DESKTOP SUPPORT

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

Basic

Universal

CITYMAX TELEPHONE

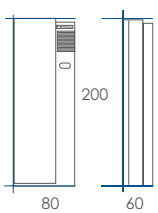
Made of high-impact ABS plastic with a texturised finish for easy cleaning and ultraviolet protection. It has many attachment points for wall mounting, as well as coiled cord with telephone plug connectors.

PERFORMANCE

When a call is received it is possible to establish a conversation with the outdoor panel. Push the corresponding button ⊓0 to open the door.

DIMENSIONES

80x200x60.



AVAILABLE MODELS

• BASIC, **UNIVERSAL**. The UNIVERSAL version can replace the majority of standard telephones from other brands, both call buzzer and electronic. Also classic Fermax models.

• PALACE: includes intercom pushbuttons.
Depending on the model, telephone colour varies:
- BASIC: white finish.
- UNIVERSAL AND PALACE: pearl finish.

ACCESSORIES (optional)

2 decorative frames in pearl finish, available for models UNIVERSAL and PALACE, useful in replacement applications or changing older equipment.

2127 DECORATIVE FRAME
Dimensions: 120x240

3442 CITYMAX HANDSET W/INDUCTION LOOP

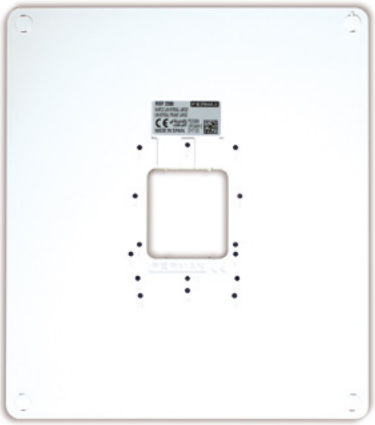
Adapted for people with hearing disabilities.

3749 DESKTOP SUPPORT

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

UNIVERSAL FRAME

ref.3388



ref.3389

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.

TWO DIFFERENT MODELS

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

3388 UNIVERSAL FRAME
Allows to assemble:
- CITYMAX, LOFT and iLOFT telephones.
- 3.5" SMILE monitor.

3389 LARGE UNIVERSAL FRAME
Allows to assemble:
- CITYMAX, LOFT and iLOFT telephones.
- 3.5" SMILE monitor.
- 7" SMILE monitor.
- VIVO monitor.

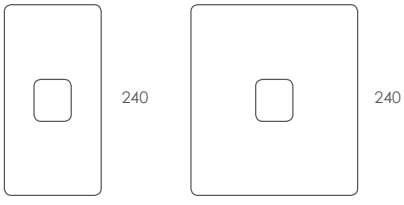
Citymax Loft iLoft 3.5" Smile

Citymax Loft iLoft

3.5" Smile 7" Smile Vivo

DIMENSIONS

3388	UNIVERSAL FRAME	120X240
3389	LARGE UNIVERSAL FRAME	210X240



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

VIVO™

by FERMAX

In the future, everyone will have a video entry system at home.

You WON'T.

YOU WILL HAVE MUCH MORE

VIVO is the most cutting-edge monitor from FERMAX using IP technology. An evolution in the concept of video entry, through a capacitive touchscreen, enables you to manage the communications, security and comfort of the world's most prestigious residential complexes and homes. A tribute for blending a state of the art technology with an exceptional design, redefining its category to become the home's true technological interface.

SYSTEMS

FERMAX

SYSTEMS

DUOX. VDS. **MDS.** LYNX

FERMAX DUOX SYSTEM | VIDEO: 2 NON-POLARIZED WIRES

COMPOSITION OF A COMPLET DUOX SYSTEM

Accesses | Home | Accessories

Panel + Power supply + Adaptor + Line termination + Door lock + Monitors & telephones + Relay (optional)

FEATURES

- **A simplified installation system.** It realises the transmission of the signal (audio, video & data) in a **complete digital way** increasing the equipments capacity using only 2 **non polarized 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 subblocks.
- **Wiring:** there is no restriction concerning the type of cable.
- **In new construction** it is possible to use equally parallel cable, twisted pair cable, UTP (CAT-5), 4+N or 9/10º.
- **In replacement** works, DUOX works with the existing cable from old installations: 5 wires, 2 wires doorbell or even old 4+N wires.
- **Maximum distance:** up to 130 meters (expandable with regenerators).*
- **No need** for floor **distributors** or panel **switchers**. One line terminal is needed at the start and end of each riser.
- Requires 1 power supply per 20 monitors.
- **Extensions inside the home:** may be extended with up to 2 monitors or 2 phones.
- All panels include **colour camera as standard issue.**
- The **DUOX amplifier** comes with built-in voice synthesizer. When door release is activated, the message is heard: "The door is open. Please, close the door behind you." Configurable in 64 languages.
- The DUOX amplifier has a built-in **voice guided programming** system to facilitate installation configuration and start-up.
- DUOX amplifier does not include PAN&TILT.
- DUOX monitors and handsets must be programmed with the nº of the apartment where they are installed from a panel configured as Master.
- Home-door entry panel.
- **DUOX monitors and handsets can be combined in the same installation,** with no need for additional elements.
- **Phone handsets can be upgraded to monitors** in the home at any time**, without including additional elements.**

* For audio installations, see the "Audio DUOX information" at the *"Technical Info"* section.

1. OUTDOOR PANEL

PUSH BUTTONS PANELS

MARINE

- Select the required panel in the Marine section, according to the number of apartments of the building (Marine section). DUOX amplifier is required.
- Select the corresponding flush box or panel accessory.
- Call extension modules are required depending on the number of apartments.

MARINE

2441 16-CALL EXTENSION MODULE

2008 8-CALL EXTENSION MODULE

ref.2441

ref.2008

SKYLINE PANELS

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).

VIDEO AND AUDIO MODULES

Video W
ref.7391

Audio W
ref.7390

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

DOUBLE PUSH BUTTONS

8 Push. 204 W
ref.7371

4 Push. 202 V
ref.7372

2 Push. 201 V
ref.7376

SINGLE PUSH BUTTONS

4 Push. 104 W
ref.7367

2 Push. 102 V
ref.7368

1 Push. 101 V
ref.7375

DIGITAL PUSH BUTTONS

Direct keypad W
ref.7439

Display W
ref.7449

Digital keypad W
ref.7447

INFORMATION MODULES

Cardholder W
ref.7445

Cardholder V
ref.7444

OneToOne V
ref.7448

ACCESSORIES

Metallic complement W
ref.7443

Metallic complement V
ref.7442

STAND-ALONE ACCESS CONTROL

keypad W
ref.7438

Fingerprint W
ref.6936

Proximity V
ref.7440

Bluetooth V
ref.7441

	S1 (1V)	S2 (2V)	S4 (3V)	S5 (4V)	S6 (5V)	S7 (6V)	S8 (7V)	S9 (8V)
FLUSH BOXES	ref.8851 115x114x45	ref.8852 115x138x45	ref.8854 115x185x45	ref.8855 115x233x45	ref.8856 115x280x45	ref.8857 115x328x45	ref.8858 115x375x45	ref.8982 115x420,5x45

If the configuration calls for more than one panel, a connection cable ref.2541 between them is needed (1 cable for each additional panel).
They can be joined laterally within the same series by means of a joining bolt set (ref.8829).
See Skyline section for more info.

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

DIGITAL PANELS

- DIGITAL panels include a keypad and a directory display. The keypad incorporates an access control function (350 codes).

SKYLINE

It is possible to configure any DIGITAL panel combination with other access control or signaling accessories.
Select the required panel in the Skyline section.

MARINE

5483 DUOX DIGITAL VIDEO MARINE PANEL ST3

5523 DUOX DIGITAL AUDIO MARINE PANEL ST3

4643 FLUSH BOX ST3

2289 JOINING BOLTS SET

4647 SURFACE BOX ST3 (with hood included)

ref.5483

2. POWER SUPPLY/ADAPTOR

4812 POWER SUPPLY 18Vdc/1,5A

To power the DUOX System. 1 power supply is required for each 20 monitors. Must be combined with 3243 filter.

ref.4812

3243 DUOX POWER SUPPLY ADAPTOR MODULE

Combining with the power supply ref.4812 or ref.4810.

ref.3243

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

1021 EMERGENCY MODULE 18Vdc

For operation in the event of power cuts. Requires 2 lead acid batteries 12V/2,2A (ref.2070).

ref.1021

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

3255 DUOX LINE TERMINATION

Necessary at the beginning and the end of every riser for video installations. Only at the end for audio installations.

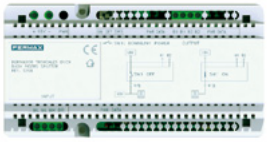
ref.3255

3253 DUOX VIDEO SHUNT ISOLATOR

3258 DUOX AUDIO 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.

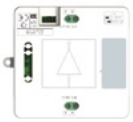
Cascade connection up to 2 levels. A higher load (up to 200 terminals per riser) may be connected by adding power supplies and depending on the type of wiring used.



ref.3258

3256 DUOX REGENERATOR

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



ref.3256

3254 DUOX PROGRAMMER

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

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.

30711 LOCK RELEASE 540N-S MAX

Normal functioning and small shield. 12Vac.

1821 LOCK RELEASE 540Ab-S MAX

Automatic functioning and small shield. 12Vac.

3264 AC ELECTRIC LOCK COMMANDER

Maximum current: 1 Ampere.

540 990

D/C ELECTRIC LOCK (Vdc)

30701 LOCK RELEASE 540N-412-S MAX

Normal functioning and small shield. 12Vdc.

1820 LOCK RELEASE 540Ab-412-S MAX

Sliding automatic functioning and small shield. 12Vdc.

540 Series Consumption		
N,Ab	12Vac	980mA
N-412	12Vdc	260mA

MULTIVOLTAGE UNIVERSAL MECHANISM (12Vac/12Vdc)

6750 UNIV. MECHANISM 990N MAX 10-24Vac/dc

6752 UNIV. MECHANISM 990A MAX 10-24Vac/dc

Requires short shield (S ref.2973 or P22 ref.2894) or large (M ref.2893 or L22 ref.2892)

990 Series Consumption		
N,A	12Vac 12Vdc	250mA 280mA

4. MONITORS AND TELEPHONES

The DUOX monitors and 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.

ref.3412

ref.3416

LOFT

3412 DUOX COLOUR LOFT MONITOR

3415 DUOX LOFT CONNECTOR

3416 DUOX DESKTOP SUPPORT 210x240

3386 DECORATIVE FRAME

3417 DUOX LOFT CONNECTOR WITH DECORATIVE FRAME

ref.3421

ref.3422

3421 DUOX BASIC PLUS LOFT TELEPHONE

3422 DUOX EXTRA LOFT TELEPHONE

iLOFT

Flush-mounted model:

5602 DUOX iLOFT MONITOR

5630 iLOFT FLUSH BOX 108x158x45

5631 iLOFT CRYSTAL FRAME 189x256x6

ref.5602

Surface model

5603 DUOX iLOFT PURE MONITOR

CITYMAX

3425 DUOX BASIC CITYMAX TELEPHONE

3380 DECORATIVE FRAME 200x240

3749 DESKTOP SUPPORT

ref.3388
120x240mm

ref.3389
210x240mm

UNIVERSAL DECORATIVE FRAMES

3388 UNIVERSAL FRAME 120x240

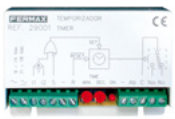
3389 LARGE UNIVERSAL FRAME 200x240

5. ACCESSORIES

ADDITIONAL FUNCTIONS

29001 TIMMER

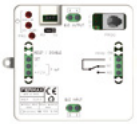
Allows to activate a device for a given time (programmable from 0 to 6 minutes or 0 to 60 seconds). The activation can be automatic when a call is received or by means of a specific button on the telephone or monitor.



ref.29001

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. It can be installed at any point of the bus.



ref.3257

2013 ADDITIONAL FUNCTION RELAY

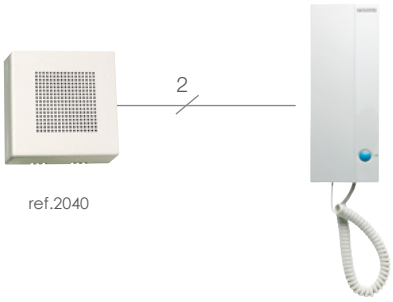
Allows to activate electrical devices remotely using an additional button on the telephone or monitor: switch on the stair light, open the garage, open a 2nd door, etc.
12Vdc, 12Vac or 18Vdc.
For monitors and Extra Duox telephones.

ref.2013

CALL ACCESSORIES

2040 ELECTRONIC CALL EXTENSION BELL

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



ref.2040

2438 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.

6. CABLES

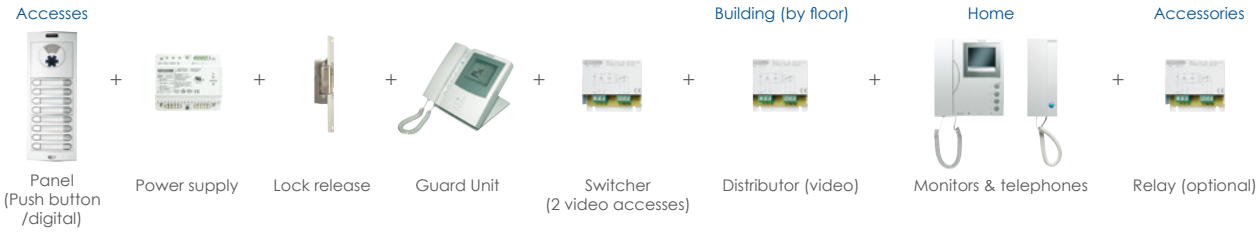
5925 DUOX PARALLEL CABLE. 2x1mm2

Cables are supplied in 100 metre rolls.

FERMAX VDS SYSTEM

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

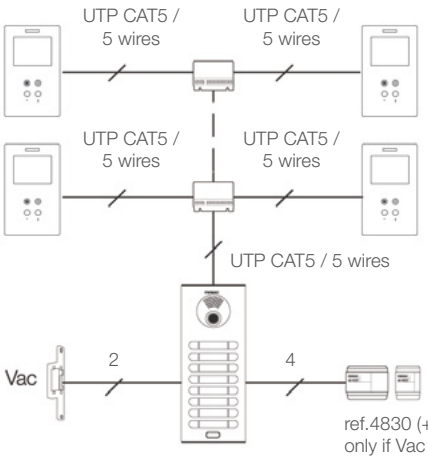
COMPOSITION OF A COMPLETE VDS SYSTEM



FEATURES

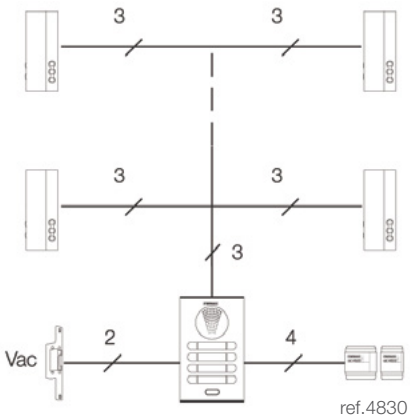
- **VDS wiring**: 5 wires, UTP CAT5 or 3 wires+coax.
- **Capacity**: buildings of up to 199 homes, 2 entry accesses and central guard unit.
- **Maximum distance**: 200 mtrs. *(See VDS technical info)*.
- The VDS AMPLIFIER includes **Voice Synthesizer** as standard in 32 languages. A message is reproduced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

VIDEO

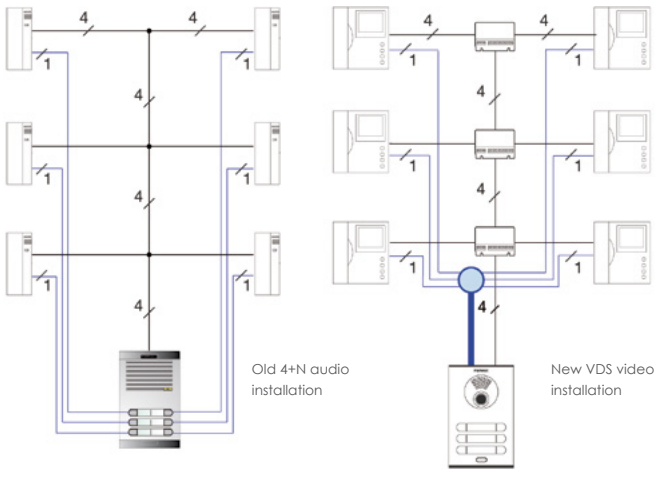


* It's possible to use 3 wires+coax. *See specific technical information.*

AUDIO



CHANGE FROM AN AUDIO 4+N SYSTEM TO A VDS VIDEO SYSTEM



1. OUTDOOR PANEL

PUSH BUTTONS

SKYLINE **(See SKYLINE Panel Section)**

MARINE **(See MARINE Panel Section)**

- Select the panel according to the number of apartments. VDS amplifier required.
- Request the flush-mounted box and accessories.
- For Cityline and Marine panels add the necessary call extension modules depending on the number of apartments.

2441 16 CALL EXTENSION MODULE

2008 8 CALL EXTENSION MODULE

SKYLINE

MARINE

ref.2441

ref.2008

DIGITAL PANELS

- DIGITAL panels include a KEYPAD and a DIRECTORY DISPLAY. The keypad incorporates an access control function (350 codes).

SKYLINE **(See next page)**

MARINE

Flush or surface box must be requested separately.

5468 VDS DIGITAL VIDEO PANEL ST3

5465 VDS DIGITAL AUDIO PANEL ST3

4643 MARINE FLUSH BOX ST3

4647 MARINE SURFACE BOX ST3

2289 JOINING BOLTS SET

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

ref.5468

Panel dimensions: 150x360 (ST3)
Flush box dim.: 130x340x45 (ST3)

SKYLINE PANELS

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).

SKYLINE INFINITE POSSIBILITIES

VIDEO AND 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

DOUBLE PUSH BUTTONS

8 Push. 204 W
ref.7371

4 Push. 202 V
ref.7372

2 Push. 201 V
ref.7376

SINGLE PUSH BUTTONS

4 Push. 104 W
ref.7367

2 Push. 102 V
ref.7368

1 Push. 101 V
ref.7375

DIGITAL PUSH BUTTONS

Direct keypad W
ref.7439

Display W
ref.7449

Digital keypad W
ref.7447

INFORMATION MODULES

Cardholder W
ref.7445

Cardholder V
ref.7444

OneToOne V
ref.7448

ACCESSORIES

Metallic complement W
ref.7443

Metallic complement V
ref.7442

STAND-ALONE ACCESS CONTROL

keypad W
ref.7438

Fingerprint W
ref.6936

Proximity V
ref.7440

Bluetooth V
ref.7441

	S1 (1V)	S2 (2V)	S4 (3V)	S5 (4V)	S6 (5V)	S7 (6V)	S8 (7V)	S9 (8V)
FLUSH BOXES	ref.8851 115x114x45	ref.8852 115x138x45	ref.8854 115x185x45	ref.8855 115x233x45	ref.8856 115x280x45	ref.8857 115x328x45	ref.8858 115x375x45	ref.8982 115x420,5x45
SURFACE BOXES	ref.7061 130x128x33	ref.7062 130x151x33	ref.7064 130x199x33	ref.7065 130x246x33	ref.7066 130x294x33	ref.7067 130x341x33	ref.7068 130x389x33	ref.7069 130x436,5x33

If the configuration calls for more than one panel, a connection cable ref.2541 between them is needed (1 cable for each additional panel).
They can be joined laterally within the same series by means of a joining bolt set (ref.8829).

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

2. POWER SUPPLY/SWITCHER/DECODER

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.

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

4800 POWER SUPPLY 12Vac/1,5A

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

1021 EMERGENCY MODULE 18Vdc

For operation in the event of power cuts. Requires 2 lead acid batteries 12V/2,2A (ref.2070).

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

2450 VDS VIDEO SWITCHER

For installations with 2 VDS video outdoor panels (w/o guard unit).

3265 VDS TESTER

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

ref.4830

ref.4812

ref.4800

ref.1021

ref.2450

COMBINATION WITH OTHER SYSTEMS

2409 VDS/MDS DECODER

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

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

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.

30711 LOCK RELEASE 540N-S MAX

Normal functioning and small shield. 12Vac.

1821 LOCK RELEASE 540Ab-S MAX

Automatic functioning and small shield. 12Vac.

3264 AC ELECTRIC LOCK COMMANDER

Maximum current: 1 Ampere.

D/C ELECTRIC LOCK (Vdc)

30701 LOCK RELEASE 540N-412-S MAX

Normal functioning and small shield. 12Vdc.

1820 LOCK RELEASE 540Ab-412-S MAX

Sliding automatic functioning and small shield. 12Vdc.

540

990

540 Series Consumption		
N,Ab	12Vac	980mA
N-412	12Vdc	260mA

990 Series Consumption		
N,A	12Vac 12Vdc	250mA 280mA

MULTIVOLTAGE UNIVERSAL MECHANISM (12Vac/12Vdc)

6750	UNIV. MECHANISM 990N MAX	10-24Vac/dc
6752	UNIV. MECHANISM 990A MAX	10-24Vac/dc

Requires short shield (S ref.2973 or P22 ref.2894) or large (M ref.2893 or L22 ref.2892)

5. MONITORS AND 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 MONITOR

6545	3.5" VDS SMILE MONITOR	
6558	3.5" VDS SMILE MONITOR	ABSOLUTE WHITE
6550	7" VDS SMILE MONITOR	
6555	7" VDS SMILE MONITOR	ABSOLUTE WHITE
6556	7" VDS SMILE MONITOR	SILVER
6557	7" VDS SMILE MONITOR	BLACK
6548	VDS SMILE MONITOR CONNECTOR	
6547	3.5" SMILE DECORATIVE FRAME	
6546	3.5" SMILE FLUSH BOX	
6552	7" SMILE DECORATIVE FRAME	
6559	7" SMILE DECOR. FRAME	SILVER
6560	7" SMILE DECOR. FRAME	BLACK
6551	7" SMILE FLUSH BOX	

ref.6545

ref.6550

ref.6545 + ref.6547

ref.6550 + ref.6552

LOFT MONITOR

3305	COLOUR VDS LOFT MONITOR
3299	COLOUR VDS LOFT MEMORY MONITOR
3314	VDS LOFT CONNECTOR
3325	VDS LOFT DESKTOP CONNECTOR
3384	VDS LOFT CONNECTOR WITH DECORATIVE FRAME 250x240
3441	LOFT HANDSET W/INDUCTION LOOP

ref.3305

ref.3384
250x240

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

VDS SYSTEM

iLOFT MONITOR

Flush-mounted model.

5620 VDS iLOFT MONITOR

5630 iLOFT FLUSH BOX 108x158x45

5631 iLOFT CRYSTAL FRAME 189x256x6

Surface model.

5614 VDS iLOFT SURFACE MONITOR

Frontal covers (Only iLOFT model).

5633 SILVER COVER

5634 BLACK COVER

5635 GOLD COVER

5632 ACCESSORIES FOR PLASTRBOARD INSTALLATION

ref.5620

ref.5631

ref.5633

ref.5634

ref.5635

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

3260 2-WAYS VIDEO MINIDISTRIBUTOR

3262 4-WAYS VIDEO MINIDISTRIBUTOR

Compact sized distributor (44x44x16) designed to be fitted in appliance cabinets and 50mm standard junction boxes. Recommended in installations without coax cable.

ref.2448

ref.3260

LOFT TELEPHONE

3390 VDS BASIC LOFT TELEPHONE

3391 VDS EXTRA LOFT TELEPHONE

3380 DECORATIVE FRAME 200x240

3441 LOFT HANDSET W/INDUCTION LOOP

3749 DESKTOP SUPPORT

BASIC

EXTRA

DECORATIVE FRAME

iLOFT TELEPHONE

5601 VDS iLOFT TELEPHONE

iLOFT

UNIVERSAL FRAMES

3388 UNIVERSAL FRAME 120x240

3389 LARGE UNIVERSAL FRAME 210x240

ref.3388
120x240mm

ref.3389
210x240mm

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

6. VDS ACESSORIES

	APPLICATION	USE	NECESSARY EQUIPMENT
	TO OPEN A SECOND DOOR	To open a door other than the one where the panel is from the telephone or monitor (for example, a rear door or a 2nd security door).	• Relay (ref.2013). • Additional button on the telephone or monitor*. • Power supply (ref.4800).
	SWITCHING ON THE STAIR LIGHT	To activate the stair light timer from the telephone or monitor.	• Additional button on the telephone or monitor*. • Relay (ref.2013).
	ACTIVATING A BELL FOR ADDITIONAL LIGHT WHEN A CALL IS RECEIVED	For places with excessive ambient noise or for people with auditive disabilities.	• Activator (ref.2438).
	ACTIVATING A BELL, LIGHT OR DOOR FOR A CONSIDERABLE LENGTH OF TIME	To activate a device automatically when a call is received or manually by means of an additional button but for a pre-established time.	• Timer (ref.29001). • Additional button on the telephone or monitor if the activation is manual*.
	HEARING THE CALL FROM ANOTHER PLACE THAN THAT WHERE THE TELEPHONE IS	When it is necessary to send the call sound to different parts of the home or business premises.	• Call extender (ref.2040) for electronic call.
	VIEW FROM A SECOND CAMERA	To view a different place from that seen from the video camera on the door entry panel (rear of the house, etc.).	• As standard in Smile monitors. • Selector-changer (ref.2450) and camera kit for VDS system. Possible to expand up to 8 cameras with the selector ref.2472. • 2 additional buttons on the monitor.
	OTHER OPTIONS		
	TO RELEASE 2 ELECTRIC LOCKS AT THE SAME TIME	When a security door is installed in front of the main door and both need to be opened at the same time.	• Relay (ref.2013). • Power supply (ref.4800). • Automatic lock release (ref.3069).
	TO ACTIVATE A LOCK RELEASE BY MEANS OF AN EXIT BUTTON	To open the door from a different place to where the telephone is. To open a door or security door that does not have a handle from inside the hallway.	• Does not require any special equipment. For VDS systems, connect the button between the corresponding exit terminals of the outdoor panel amplifier.

*It is necessary to add a wire in all the installation for each additional function.

4545 TELEPHONE INTERFACE

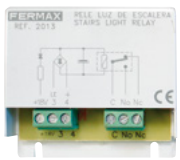
Installed at home and connected to the telephone, it allows the communication with the outdoor panel as well as opening the door remotely from any conventional or wireless telephone at home. It allows as well to forward the call to one or two external land lines or mobile telephones.

ref.4545

ADDITIONAL FUNCTIONS

2013 2A ADDITIONAL RELAY FUNCTIONS

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



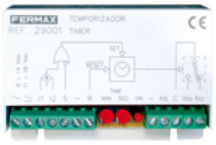
ref.2013

3491 DIN RAIL RELAY 12Vdc/12A

88101 DOUBLE CONTACT RELAY. 18Vdc

29001 TIMMER

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



ref.29001

VDS SYSTEM

VIDEO ACCESSORIES

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).

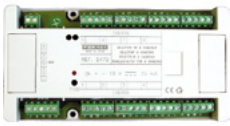
2450 VDS VIDEO SELECTOR/SWITCHER

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

ref.2450

2472 8-CAMERAS SELECTOR

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



ref.2472

4614 2ND CAMERA SELECTOR

Allows to select a 2nd camera by means of F1 push button.

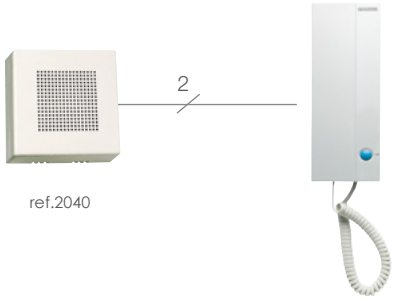
4110 VIDEO AMPLIFIER

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

CALL ACCESSORIES

2040 ELECTRONIC CALL EXTENSION BELL

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



ref.2040

2438 VDS LIGHT OR BUZZER ACTIVATOR

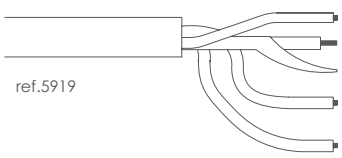
Allows to activate high powered devices or indicators when a call is received: bells, sirens, light bulbs, etc. It is possible to connect 1 for each monitor or handset.

CABLES

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

5919 VIDEO BUS CABLE. 1MTR

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



ref.5919

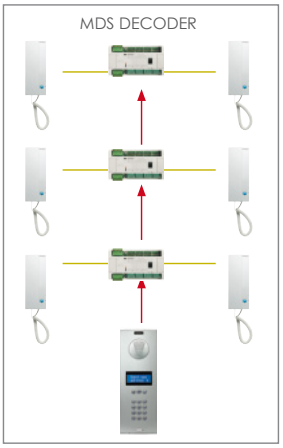
FEATURES

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

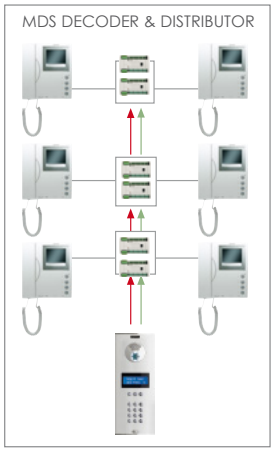
MDS SYSTEM OPTIONS

• **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.

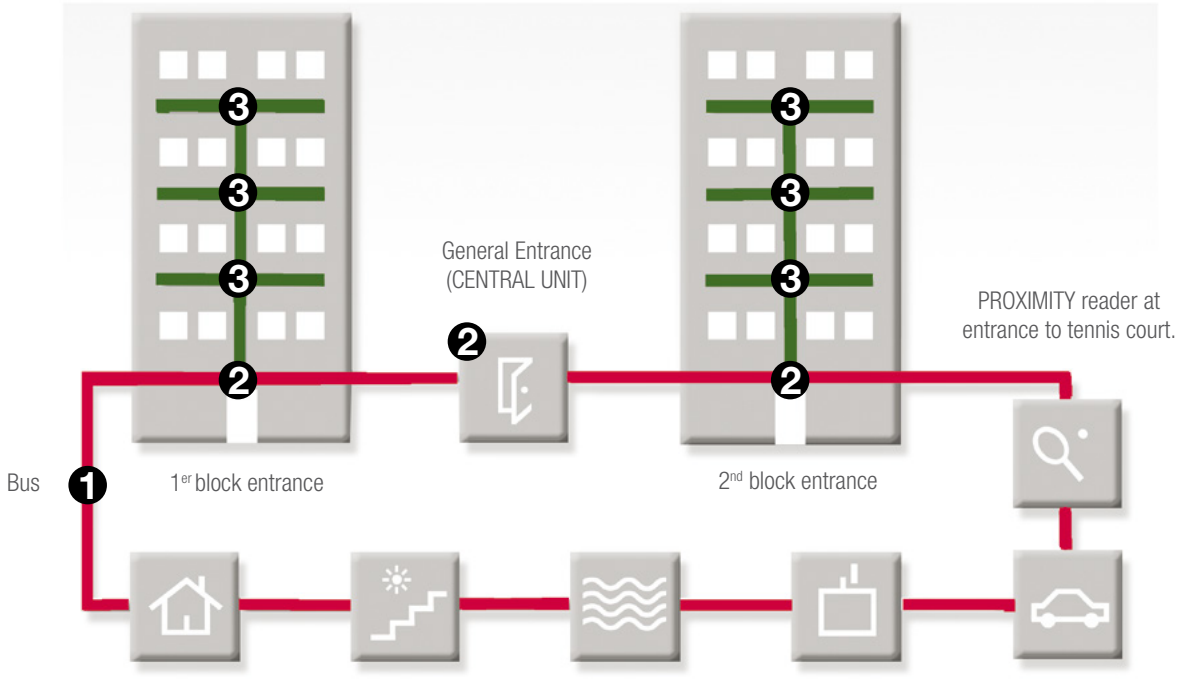
• **MDS COMBINED WITH OTHER SYSTEMS:** In the case of housing complexes, the flexibility of MDS allows to combine general MDS entrances and internal apartment blocks with VDS, BUS2 or conventional 4+N audio or video door-entry system or with individual houses.



AUDIO BUS + DATA + TELEPHONE BUS



AUDIO BUS + DATA + VIDEO BUS

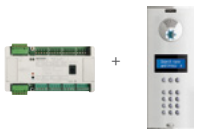


Dimensions: (width) x (height) x (depth) mm.

MDS DIGITAL

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

MDS DIGITAL general entrances/accesses



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

Building (by floors)

Video distributor

Audio distributor

At building/block

VDS Monitors and 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

ref.7336 6V | ref.7337 7V | ref.7338 8V

AMPLIFIER AND COLOUR CAMERA

7406	ANALOGUE VIDEO MODULE W
7400	ANALOGUE AUDIO MODULE W
7451	MDS DIGITAL DISPLAY MODULE W
7447	MDS DIGITAL KEYPAD MODULE W

ref.7406

ref.7400

ref.7451

ref.7447

INFORMATION MODULES

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

ref.7448

ref.7444

ACCESS CONTROL MODULES

7440	PROXIMITY READER V
7441	BLUETOOTH READER V

ref.7440

ref.7441

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

MARINE

Flush or surface box must be requested separately.

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/PROX ST4
5478 MDS DIGITAL AUDIO PANEL W/PROX ST4

5505 MDS DIGITAL VIDEO PANEL W/PAC ST4
5507 MDS DIGITAL AUDIO PANEL W/PAC 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. ACCESS CONTROL READERS

Access control readers are considered by the Central Unit as just another access. No switcher is required.
The panel is supplied with the corresponding flush box. Every central Unit (ref.2405) allows to manage up to 1.020 users of access control.

CITYLINE

Panel S1: 130x128 / Flush box S1(ref.8948):115x114x45.

6992 CITY PROXIMITY READER
6994 CITY MDS/AC+ KEYPAD

ref.6992

ref.6994

MARINE

Panel ST1:150x180 / Flush box ST1(ref.4641):130X160X55.

5472 MARINE PROXIMITY READER
4696 MARINE MDS/AC+ KEYPAD

ref.5472

ref.4696

PROXIMITY IDENTIFIERS

23361 PROXIMITY CARD WITHOUT STRIP
2336 PROXIMITY CARD WITH STRIP
4515 PROXIMITY KEYRING

ref.23361

ref.4515

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

RADIOFREQUENCY

1065 RF DIGITAL RECEIVER

24651 RF DIGITAL EMITTER

ref.1065

ref.24651

Bluetooth and fingerprint readers need a door controller (ref.4420) for each access.

4420 DOOR CONTROLLER

ref.4420

FINGERPRINT WITH PROXIMITY

6935 CITYLINE FINGERPRINT READER

Includes a built-in proximity reader for major security or for independent registrement of users. Includes display and LEDs indicating the door opening, user's number, if the fingerprint reading is correct or not, configuration and authorizations-cancellations menu management.
Includes a remote infrared keypad for programmation.

5482 MARINE FINGERPRINT READER

ref.6935

ref.5482

3. 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: origin of call, type of call, call, call waiting, latest communication, etc.

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

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

4. CENTRAL UNIT

Essential in installations with digital panels

2405 MDS 1-ACCESS CENTRAL UNIT

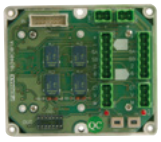
Manages up to 9.999 apartments and 1.020 access control users.

- In individual blocks: manages up to 32 accesses (1 of them can be audio/video). For more audio/video accesses, switcher (ref.2379) every 2 accesses will be required.
- In housing complexes: up to 31 accesses per Central Unit if the accesses are audio/video, 2-access switchers ref.2379 will be required. Includes WINCOM PLUS software for PC configuration. Includes memory for incidents record (A.C. applications).

ref.2405

2379 2-ACCESSES SWITCHER

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



ref.2379

PC CONNECTION ACCESSORIES

24661 USB TO RS-485 PC ADAPTOR

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

2466 PC INTERFACE DECODER

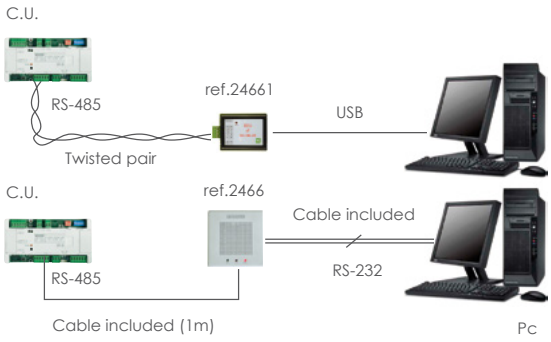
Enables Central Unit programming by PC (serial port).

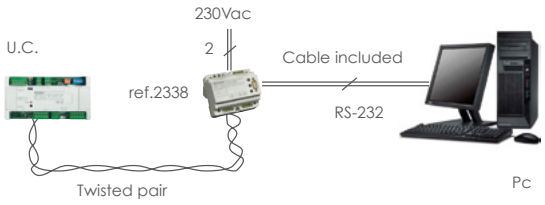
2338 RS-232 TO RS-485 PC ADAPTOR

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.

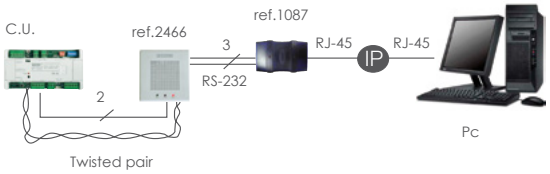
1087 IP REMOTE MANAGEMENT MODULE

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 wiring.





Maximum distance: 1.200m



5. 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

ref.4830

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.

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

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

6. AUDIO DECODER / VIDEO DISTRIBUTORS

AUDIO DECODER

2424 4-WAYS AUDIO MDS DECODER

1 unit for each 4 homes. DIN10.

ref.2424

2425 8-WAYS AUDIO MDS DECODER

1 unit for each 8 homes. DIN10.

2426 4-WAYS AUDIO ISO DECODER

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

2436 4-PANEL DECODER

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

ref.2436

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.

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.

ref.2419

2419 8-WAYS VIDEO DISTRIBUTOR

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

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

7. COMBINATION WITH OTHER SYSTEMS

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

	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

2409 VDS/MDS DECODER

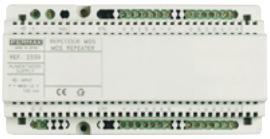
Necessary for enclosures in VDS interior blocks already installed 1 decoder per block. Add one distributor (ref.2448) and/or switcher (ref.2450) in general video entry installations.

8. 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

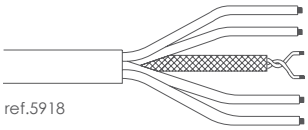
To regenerate the video signal when the length of the BUS is greater than 250m. One amplifier every 250m.

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.

9. CABLES

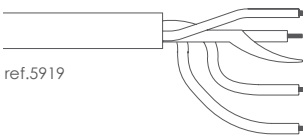
All cables are supplied in 100 metre rolls. Orders must be multiples of 100.



ref.5918

5918 DECODER-PANEL-FXL CENTRAL UNIT BUS CABLE. 1MTR

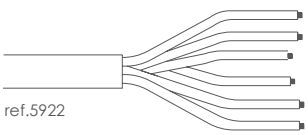
4 wires 1mm^2+1 twisted pair shielded of 2 x 0,5 mm^2.



ref.5919

5919 VIDEO BUS CABLE. 1MTR

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



ref.5922

5922 DECODER-TEL. CONNECTION CABLE (1M)

6 wires of 0,5mm^2.

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

10. MONITORS & TELEPHONES

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

ref.3307

LOFT

3307 4+N COLOUR LOFT MONITOR

3315 LOFT CONNECTOR

3324 DESKTOP CONNECTOR

3441 LOFT HANDSET WITH INDUCTION LOOP

ref.3324

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.

ref.3393/ref.3399 ref.3394

3380 DECORATIVE FRAME 200x240

3441 LOFT HANDSET WITH INDUCTION LOOP

ref.3394+ref.3380

UNIVERSAL DECORATIVE FRAMES

3388 UNIVERSAL DECORATIVE FRAME

120x240mm.

3389 UNIVERSAL LARGE DECORATIVE FRAME

210x240mm.

ref.3388

ref.3389

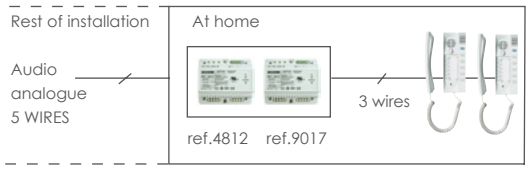
CITYMAX TELEPHONE

80447 CITYMAX TELEPHONE (white finish)

BASIC

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.



Maximum: 100mts (ø1mm²)

8084 PALACE CITYMAX TELEPHONE

9017 MULTIWAY SWITCHER

FEATURES

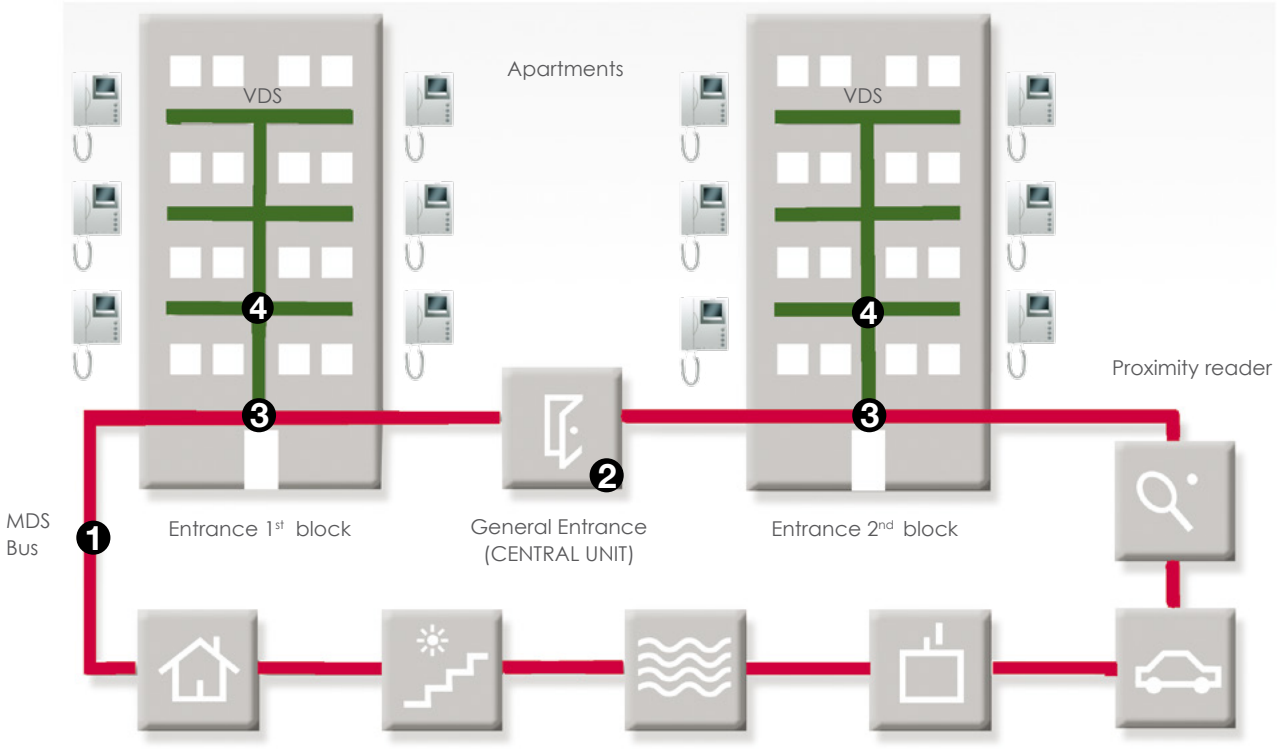
• MDS/VDS combination is the system with the most complete functions and maximum wiring simplicity.
• It consist of a combination of:
- MDS Digital System for General Entrances.
- VDS Digital System for Interior Blocks.
• Its capacity is expandable:
- From 1 to 9.999 units.
- Up to 32 entrances or guard/managements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

IN MEDIUM SIZE BLOCKS INSTALLATIONS

One MDS/VDS Decoder is required 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 System (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 make additional functions as panic call to the guardian or control lift.

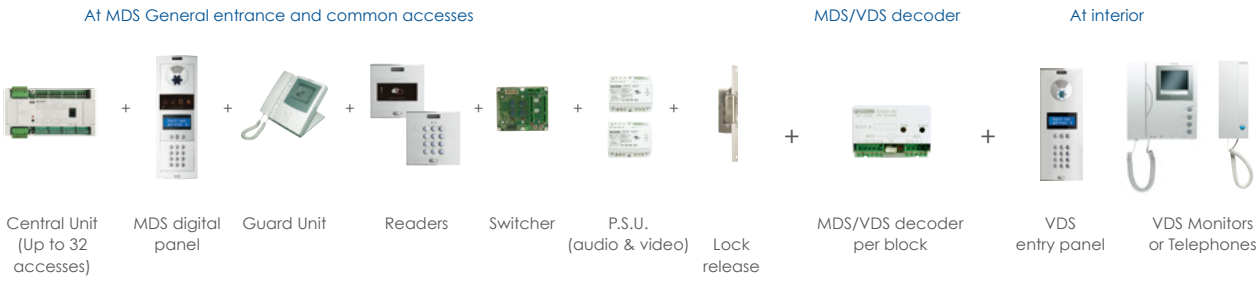


Integrated services: control and management of accesses, in lifts, automations, security systems.

RF receiver for garage entrance.

MDS/VDS SYSTEM
LARGE INSTALLATIONS

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

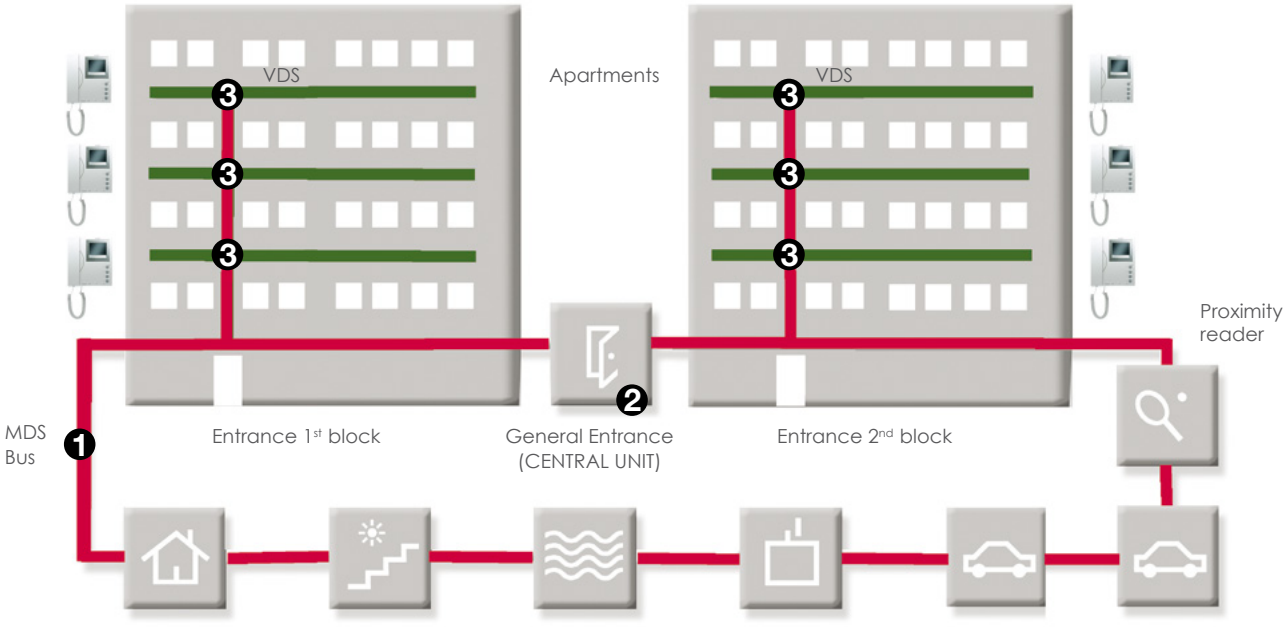


IN BIG SIZE BLOCKS INSTALLATIONS

In big interior blocks with several terminals in each floor or 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.

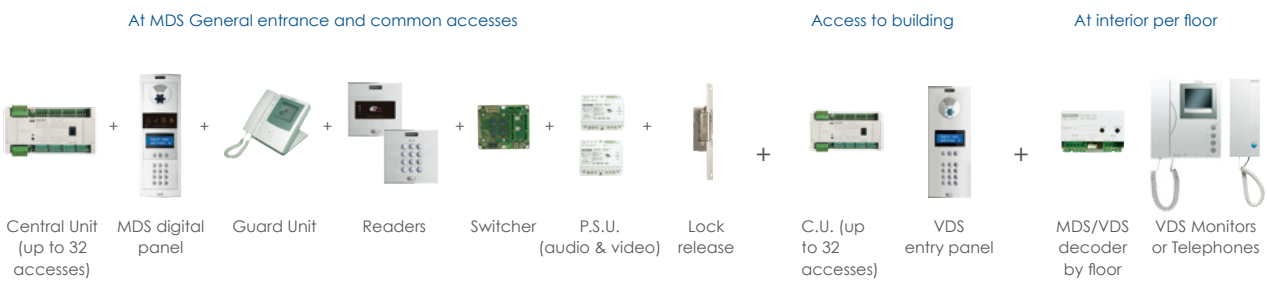
VDS telephones & monitors are required.



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

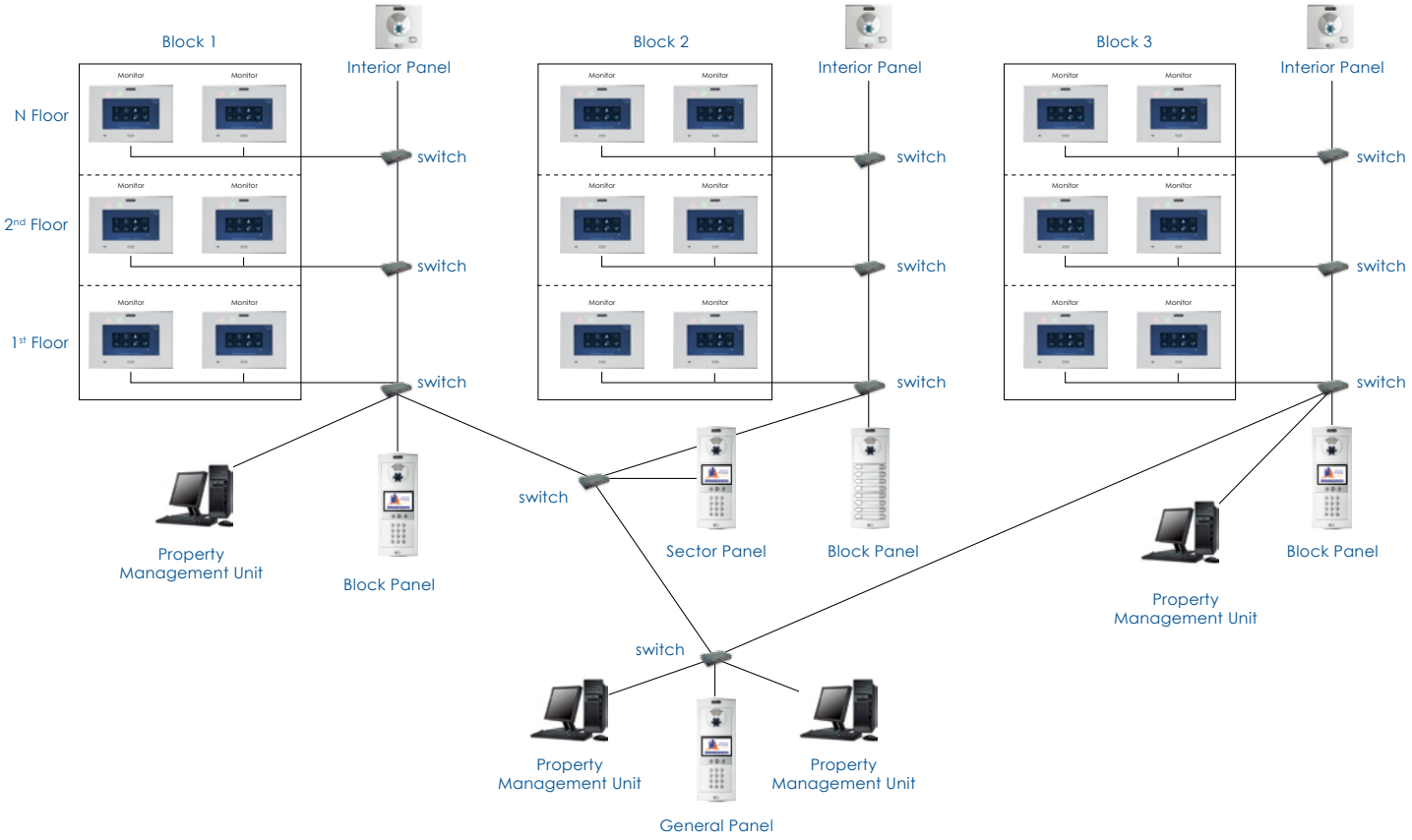
RF receiver for garage entrance.

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

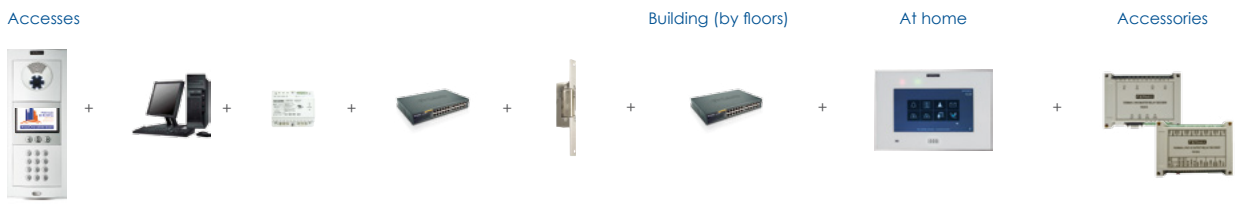


FEATURES

- **TCP/IP system.**
- It allows to manage from single family homes to buildings without size limit:
  - 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 COMPOSITION



1. OUTDOOR PANEL

• CAMERA is always in COLOUR.
• The LYNX amplifier includes 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

DOUBLE PUSH BUTTONS

8 Push. 204 W
ref.7371

4 Push. 202 V
ref.7372

2 Push. 201 V
ref.7376

SINGLE PUSH BUTTONS

4 Push. 104 W
ref.7367

2 Push. 102 V
ref.7368

1 Push. 101 V
ref.7375

LYNX DIGITAL PUSH BUTTONS

Direct keypad W
ref.7457

Display Lynx W
ref.1623

INFORMATION 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

Fingerprint W
ref.6936

Proximity V
ref.7440

	S1 (1V)	S2 (2V)	S4 (3V)	S5 (4V)	S6 (5V)	S7 (6V)	S8 (7V)	S9 (8V)
FLUSH BOXES	ref.8851 115x114x45	ref.8852 115x138x45	ref.8854 115x185x45	ref.8855 115x233x45	ref.8856 115x280x45	ref.8857 115x328x45	ref.8858 115x375x45	ref.8982 115x420,5x45

If the configuration calls for more than one panel, a connection cable ref.2541 between them is needed (1 cable for each additional panel). If the configuration requires an access control reader connected to the outdoor panel, a connection cable ref.2545 between them is needed. They can be joined laterally within the same series by means of a joining bolt set (ref.8829).
See more info at Skyline section.

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

CITY PANEL

1625 1/W CITY LYNX PANEL

Panel S1: 130x128 Kit box S1: 115x114x45

MARINE PANEL

Flush box and surface box to be ordered separately.

5484 1/W MARINE LYNX PANEL ST1

5485 MARINE DIGITAL LYNX PANEL ST3

5486 MARINE DIGITAL LYNX PANEL ST4 W/PROX

ref.1625

ref.5484

ref.5485

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

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 Lock release section or current Lock release catalogue.

30701 LOCK RELEASE 540N-412-S MAX

Normal operation and short shield. 12Vdc.

6750 UNIV. MECHANISM 990N MAX 10-24Vdc/ac

Normal operation. 12Vdc or 12 Vac. Standard issue with adjustable MAX latch bolt. Requires short shield (S ref.2973 or P22 ref.2894) or large (M ref.2893 or L22 ref.2892)

3264 AC ELECTRIC LOCK COMMANDER

Maximum current: 1 Ampere.

540

990

540 Serie Consumption		
N,A	12Vac	980mA
N-412	12Vdc	260mA

990 Serie Consumption		
N	12Vac	250mA
	12Vdc	280mA

4. MONITORS

1620 VIVO MONITOR

1640 VIVO MONITOR (SILVER)

1641 VIVO MONITOR (BLACK)

1605 VIVO CONNECTOR

ref.1620

5. ACCESSORIES

CALL DIVERT TO MOBILE

It's possible to divert the **calls received at the door entry panel to a mobile devices,** where the user can view the visitor's picture, set up communication with them and, if desired, open the door.

To do so, users only need to download the LYNXed application (free download), available for iOS and Android devices. The mobile device is paired with the VIVO monitor by reading a QR code and calls from the outdoor panel are received normally. Several different mobile devices can be linked up to the same VIVO monitor.
In the installation, whether for a building or detached house, a LYNX ROUTER is required to handle the call divert. When a call is received from the outdoor panel, all the devices linked up will sound at the same time as the monitor. *(Check availability)*.

1609 LYNX ROUTER

1610 LYNX PROPERTY MANAGEMENT UNIT

Property Management Unit is LYNX's software application which allows to manage the communication, security and comfort in buildings in an intuitive manner, developing guard unit and configuration functions of the system. It is prepared for its use by means of a PC touch screen or with a conventional keypad. It operates using three user profiles:

- Installer profile (configuration): Allows to customise function and performance to the specific needs of each residence.
- Administrator profile (maintenance): Allows to manage system passwords, user-privilege settings and to create or delete guard profiles.
- Guard profile (operation): To operate in normal mode.

Depending on the circumstances, 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...

LITE RESIDENTIAL MANAGEMENT SOFTWARE

LITE software is the limited functionality version of Property Management Station, for those cases where the LYNX installation will be working without the same. Enables LYNX installation start-up from the installer's own PC, as well as friends' list management.
Available at www.fermax.com

1615 MASTER LYNX RELAY DECODER

1616 10-WAYS LYNX RELAY DECODER

ref.1615

ref.1616

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

1617 LYNX SWITCH (4 PoE +4)

1618 SWITCH LYNX (8 PoE +8)

6. INTEGRATION WITH OTHER SYSTEMS

LYNX provides users freedom of choice through existing technologies and home automation systems. This system generates synergies through unlimited solutions supporting the integration, interaction and compatibility with other systems.

SIP PANEL

FERMAX

CITY. MARINE

FEATURES

The SIP PANELS video door entry panel from FERMAX is an outdoor panel ideal for applications in the service industries, for example in businesses, offices, airports, hospitals, public buildings or parking facilities, etc. Calls are controlled from the outdoor panel, connecting to an SIP server which in turn is linked to third-party SIP devices.

The SIP PANELS panel sets up communication through an SIP server and lets you see the caller at the door with VoIP devices (like PBX, telephones, softphones, etc.) that support the following SIP functionalities:

- 3CX
- Asterisk

NOTE: *panel not compatible with FERMAX LYNX system.*

FUNCTIONS

1/W SIP VIDEO COLOUR PANEL

Call to SIP devices by pushbutton:

- **AUDIO AND VIDEO communication** via standard SIP server.
- **DOOR OPENING:** using DTMF (Dual-Tone - Multi-Frequency) signals between devices to open the door. Each device that interacts with the SIP panel may be using a different DTMF code. FERMAX provides the option of configuring the SIP panel from the webserver according to the combination of tones (keys) for each SIP device to open the door. The panel has two built-in configurable relays.
- **AUTO-ON:** When called, the SIP panel will automatically answer calls from any device on the SIP network, opening up the audio and video streaming.

CONFIGURATION

ASSIGNING PANEL IP ADDRESS

When connecting the panel's RJ-45, the IP address is obtained automatically by DHCP (Dynamic Host Configuration Protocol) server. If the is no DHCP server, the installer enters it from the webserver.

ASSIGNING PANEL SIP "EXTENSION"

The panel's SIP extension is configured via webserver.

ASSIGNING PANEL PUSHBUTTON SIP "EXTENSION"

In the 1W panel, we use the webserver to set up the SIP "extension" for pushbutton calls.

PANEL RELAY ACTIVATION DTMF SETUP

Configurable from the webserver, using each manufacturer's SIP tones (keys) to open the door. The panel has two built-in configurable relays.

Power supply 12 Vdc.

SIP PANELS

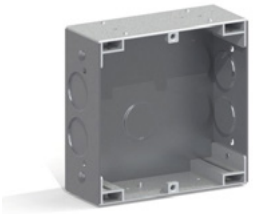
SIP PANELS

1661	SIP CITYLINE PANEL	
5488	SIP MARINE PANEL	

ACCESSORIES

Cityline

8851	FLUSH BOX S1	115x114x45
7061	SURFACE BOX S1	130x128x33
8400	SIMPLE HOOD S1	135x130
9191	MODULAR FRAME S1	211x210
8251	SIMPLE CITY FRAME S1	225x310
8378	ANGULAR COMPLEMENT S1	
8829	JOINING BOLTS SET	



ref.8851

ref.7061

ref.8400

ref.9191

Marine

4641	FLUSH BOX ST1	130x160x55
4645	SURFACE BOX ST1	154x184x96
4701	HOOD ST1	
2289	JOINING BOLTS SET	

ref.8251

ref.8378

ACCESS CONTROL

FERMAX

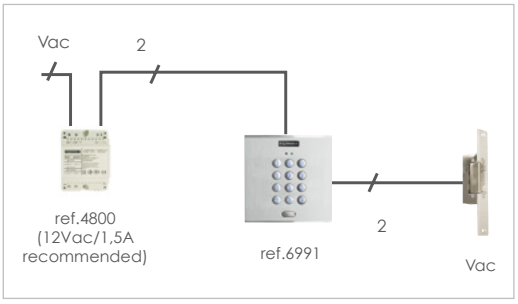
STAND-ALONE CENTRALIZED

STAND-ALONE

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

1. KEYPAD (MEMOKEY)

- 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

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

4906 CITYLINE MEMOKEY KIT

Includes reader (ref.6991) and power supply (ref.4800).

7438 SKYLINE MEMOKEY W

Accessory for SKYLINE panels.

ref.6991

ref.7438

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

3610 MEMOKEY CITY CLASSIC

Indoor/outdoor. Flush-mounted box included (ref.8948). Surface installation option (ref.8951).

3600 CITY CLASSIC MEMOKEY KIT

Includes reader (ref.3610) and 12Vac/1,5A power supply (ref.4800).

ref.3610

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

4699 MARINE MEMOKEY

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.

3623 LOFT MEMOKEY KIT

Includes Memokey (ref.4540) and power supply (ref.4800).

ref.4699

ref.4540

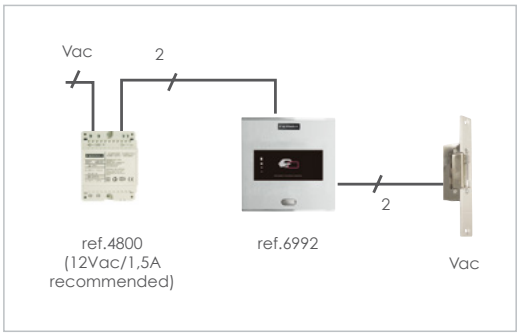
Reader dimensions: 150x180 (ST1)
LOFT reader dim.: 60x130

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

ACCESS CONTROL

2. PROXIMITY (PRIVATE)

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



6992 CITYLINE PROXIMITY READER

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

7440 SKYLINE PROXIMITY READER V

Accessory for SKYLINE and CITYLINE panels.

ref.6992

ref.7440

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

5472 MARINE PROXIMITY READER

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

4530 LOFT PRIVATE READER

Indoor. Surface installation. Includes cable 50cm.

ref.5472

ref.4530

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

LOFT reader dim.:
60x130

IDENTIFIERS

23361 PROXIMITY CARD W/O MAGNETIC STRIP

2336 PROXIMITY CARD W/MAGNETIC STRIP

4515 PROXIMITY KEYRING

ref.23361
Customizable

ref.2336

ref.4515

ACCESSORIES

2306 PRIVATE PROGRAMMING KEYPAD

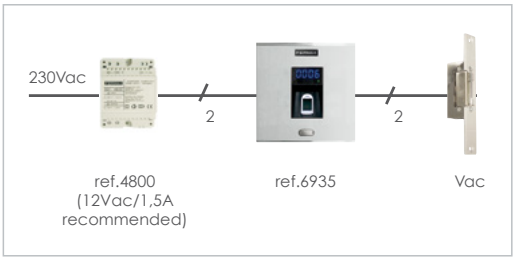
24661 RS-485 TO USB PC ADAPTOR

ref.2306

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

3. FINGERPRINT WITH PROXIMITY

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



ref.6935

ref.6936

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

6935 CITYLINE FINGERPRINT READER

Exterior/Interior. Flush box include (ref.8948).
Optional surface box (ref.7061).

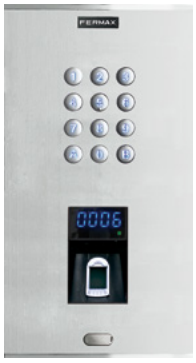
6936 SKYLINE FINGERPRINT READER W

Accessory for SKYLINE and CITYLINE panels.

6937 CITYLINE KEYPAD/FINGERPRINT READER

5482 MARINE FINGERPRINT READER

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


ref.6937

ref.5482

Reader dim.: 150X180 (ST1)

Remote infrared keypad (included)

4. BLUETOOTH

Allows to activate the electric lock remotely by using a mobile telephone with bluetooth technology.
Power supply 12Vac/Vdc (ref.4800 recommended).
The system has 2 operating modes:
1. Restricted to authorised telephones. Maximum capacity: 40 telephones. Automatic opening when the authorised cell phone is within range of the receiver, or by means of a keypad confirmation or introducing a PIN.
2. Access to any telephone. Within range of the receiver, requesting the personal access code to open the door.

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

6993 CITYLINE BLUETOOTH READER

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

4479 MINI BLUETOOTH READER

Compact-sized module.

ref.6993

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

7441 SKYLINE BLUETOOTH READER V

Accessories for SKYLINE and CITYLINE panels.

5473 MARINE BLUETOOTH READER

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

ref.7441

ref.5473

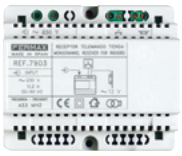
Reader dimensions:
130x128 (S1)
Flush box dim.:
115x114x45 (S1)

5. RADIO FREQUENCY (433Mhz)

SHOP SYSTEM

7903 RF RECEIVER FOR STORE

Configuration by means of trinary dip-switch. Input for exit button. Relay output (2A, NO) for activation of lock-release. 230 Vac power supply. DIN6 Box. Dimensions: 105x90x60.



ref.7903

7900 COMPATIBLE SINGLE CHANNEL RECEIVER

For installation inside electronic door or video entry system outdoor panels.

79561 TRINARY TRANSMITTER. 433Mhz

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

ref.7900

ref.79561

SECURITY SYSTEM

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

7960 SECURITY RF RECEIVER

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

ref.7960

ref.24651

24651 DIGITAL RF REMOTE CONTROL

With 1 unique code by transmitter.

COLLECTIVE GARAGES SYSTEM

7952 SINGLE CHANNEL RECEIVER. 433Mhz

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

ref.7952

79561 TRINARY TRANSMITTER. 433Mhz

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

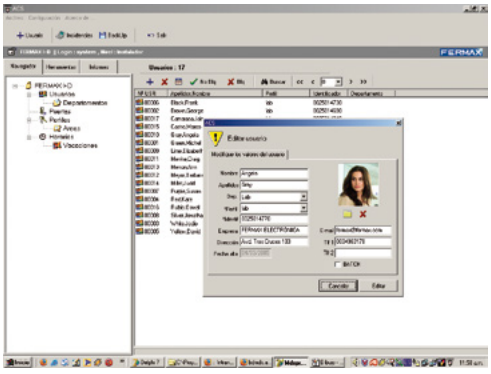
ref.79561

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

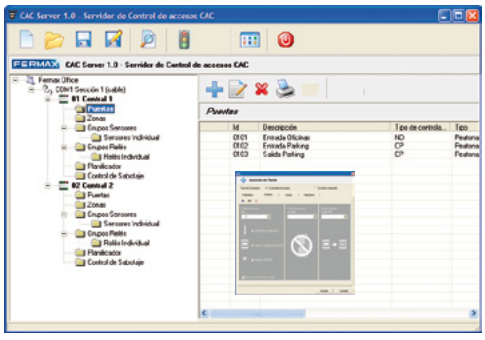
CENTRALISED

- Single or multiple site over WAN connection.
- 64 Access Groups.
- Individual cardholder access rights and/or access group rights.
- Manages 100s of doors.
- Event reporting.
- Event triggers and actions.
- Scaleable; and easily expandable.
- Integrates with building systems.
- Proximity, magstripe or Keypads.
- Unlimited input/out extensions.
- Door alarm management.
- TCP/IP or RS485 connectivity.
- Mifare Smart cardand reader options.
- Multiple Work Stations.
- Peak time door management.
- Web downloadable licence free software.

ref.4410



AC PLIUS Access software



AC PLUS Server software

CENTRALISATION

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

4410 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:

- AC PLUS SERVER. To configure the hardware (central unit, readers, decoders, etc).
- AC PLUS ACCESS. To manage the users and the restrictions.

ref.4813

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 has a connector to link with an external PB-Acid battery.

ACCESS CONTROL

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

2337 BATTERY 12V/7A. ACID LEAD

2339 MDS REPEATER

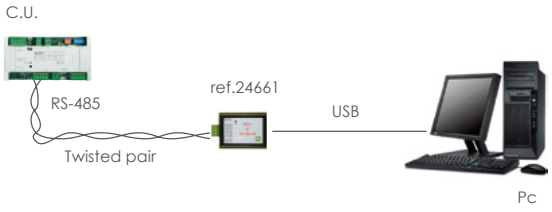
Necessary for distances of over 1.200m between door controllers or decoders and the central unit. Format DIN10.

ref.2339

PC CONNECTION ACCESSORIES

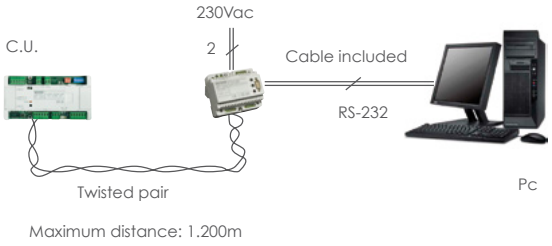
24661 USB TO RS-485 PC ADAPTOR

- Connection between PC (USB) and Guard Unit.
- Direct power supply from USB.
- Drivers included.



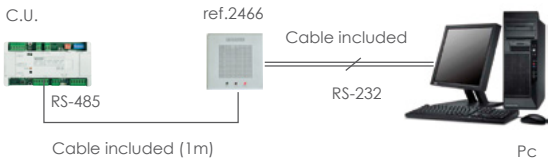
2338 RS-232 TO RS-485 PC ADAPTOR

- Connection between Pc and Central Unit (or network of centrals).
- Allows to connect the modem to the Central Unit in case of remote management.
- Connection to PC: RS-232. Max.: 30m (cable included: 3m).
- Connection to Central: RS-485 (twisted pair). Max.: 1.200m.
- DIN6 format. Power supply: 230Vac.



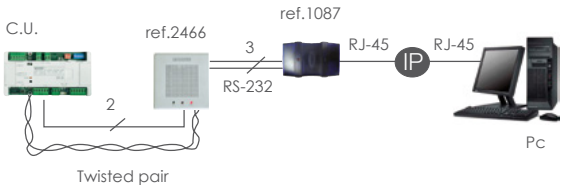
2466 DECODER PROGRAMMING MODULE

- Programming addresses and parameters to decoders from PC.
- Maintenance of installations that have no permanently connected PC, as an installer tool.
- Includes RS-232 cable with DB-9 connector for PC linkup.
- Includes RS-232 cable with DB-9 connector for PC connection.



1087 IP REMOTE MANAGEMENT MODULE

- Communication between management station and the installation using IT network (Ethernet), avoiding additional wiring.
- Connection to Central Unit by programmer (ref.2466).
- An IP address must be configured for network connection using the built-in software.
- Remote management via internet if allowed by protective devices (Firewall) in the IT installation (specialist staff needed to configure router for internet access).
- Power supply: 230Vac via adapter (included).
- Ethernet connection RJ4.



FIBER OPTIC ACCESSORIES

1345 FIBER OPTICS CONVERTER

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

READERS WITH INTEGRATED CONTROLLER

ACMPR AC PLUS MICROPROX READER

ACMPVR AC PLUS MICROPROX VR READER

Microprox reader

Prox VR reader

6992 CITY PROXIMITY READER

6994 CITY MDS/AC+ KEYPAD

Flush box S1 included (ref.8948): 115x114x45.

ref.6992

ref.6994

6995 CITY KEYPAD/PROXIMITY READER

7440 SKYLINE PROXIMITY READER V

7453 SKYLINE MDS/AC+ KEYPAD W

7457 SKYLINE LYNX/AC+ DIRECT KEYPAD

For access control combinations of keypad with proximity and fingerprint readers.

ref.7440

ref.7453

5472 MARINE PROXIMITY READER

4696 MARINE MDS/AC+ KEYPAD

Flush box ST1 included (ref.4641): 130x160x55.

ref.5472

ref.4696

ACCESSORIES

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

2013 ADDITIONAL FUNCTIONS RELAY

3491 DIN RELAY. 12VDC/12A

2430 8-RELAY DECODER

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

ref.2013

ref.2430

2429 8-SENSOR DECODER

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

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

ACCESS CONTROL

READERS WITH AN EXTERNAL CONTROLLER

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.

ref.4420

6992 CITYLINE PROXIMITY READER

ref.6992
S1: 130x128
Flush box (ref.8948)

6995 CITYLINE PROXIMITY/KEYPAD READER

ref.6995
S4: 130x199
Flush box (ref.8854)

6935 CITYLINE FINGERPRINT READER

ref.6935

6937 CITYLINE KEYPAD/FINGERPRINT READER

ref.6937
S5: 130x246
Flush box (ref.8855)

7440 SKYLINE PROXIMITY READER V

ref.7440

6936 SKYLINE FINGERPRINT READER W

ref.6936

5472 MARINE PROXIMITY READER

* Flush box included.

ref.5472
ST1: 150x180
Flush box ref.4641

5482 MARINE FINGERPRINT READER

* Flush box included.

ref.5482
ST1: 150x180
Flush box ref.4641

4560 LOFT WIEGAND PROXIMITY READER

4550 LOFT WIEGAND PROXIMITY/KEYPAD READER

ref.4560/ref.4550
60x130
Surface

IDENTIFIERS

23361 PROXIMITY CARD W/O MAGNETIC STRIP

ref.23361
Customizable

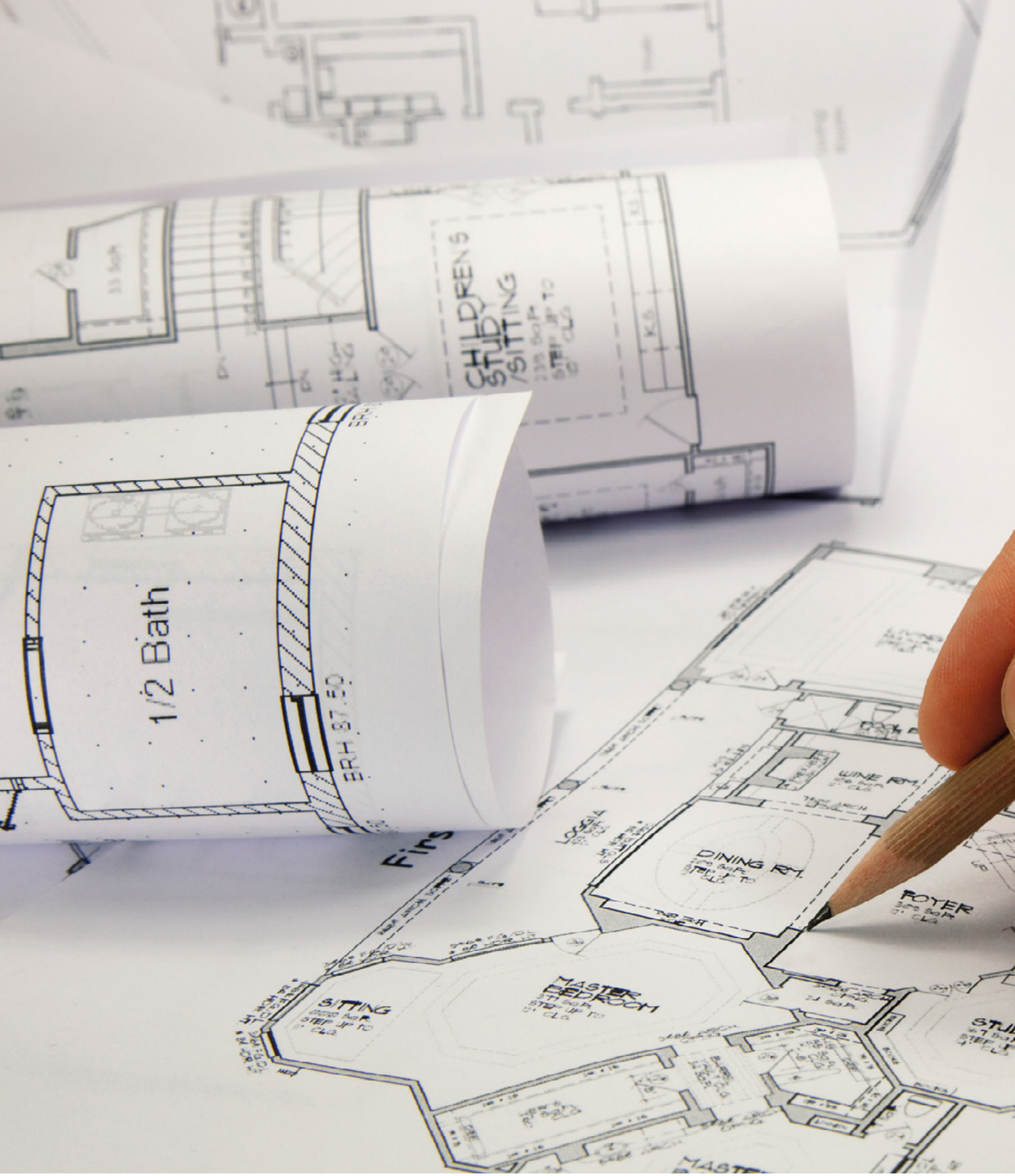
2336 PROXIMITY CARD W/MAGNETIC STRIP

ref.2336

4515 PROXIMITY KEYRING

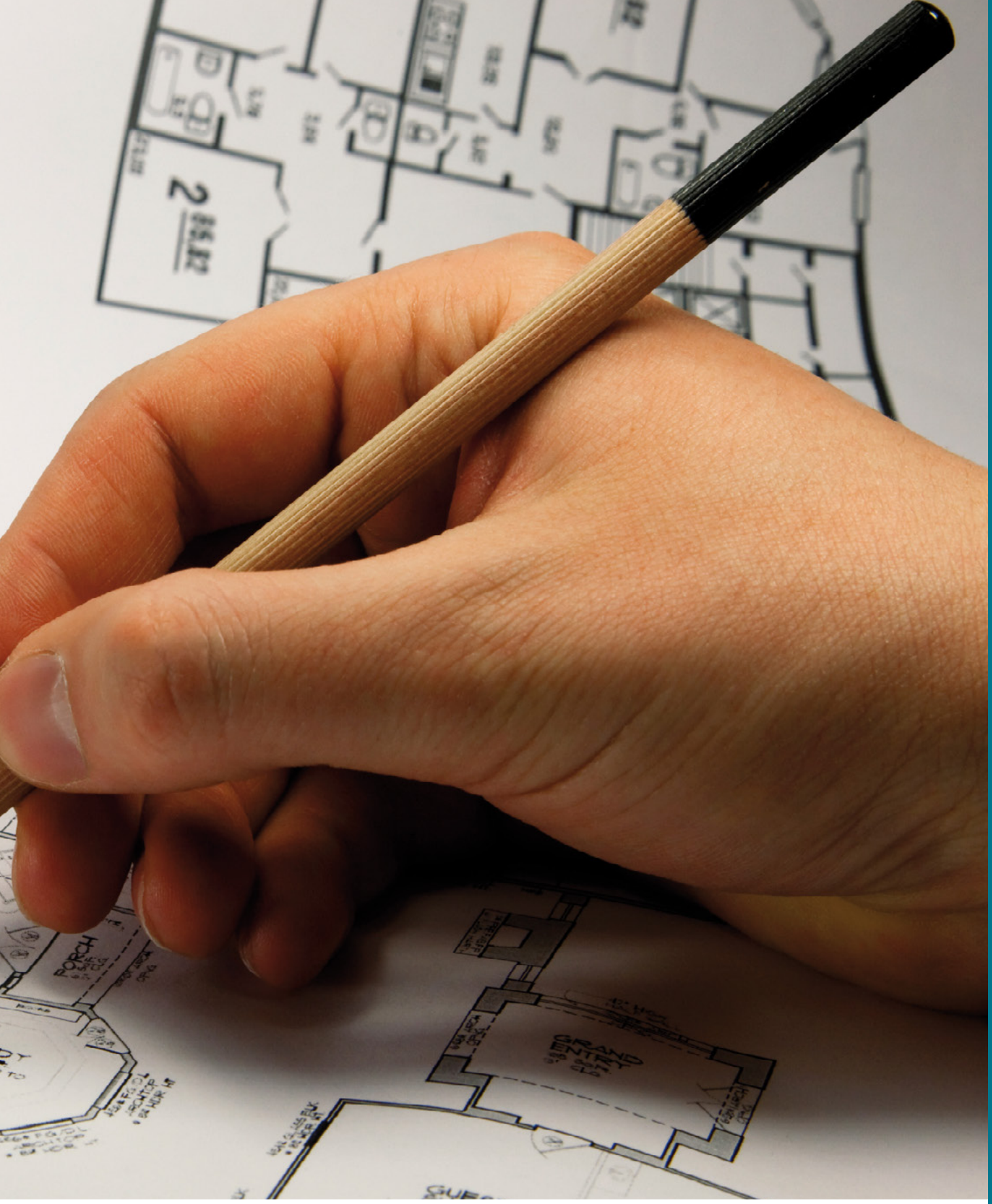
ref.4515

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



TECHNICAL INFO

FERMAX



PROJECTS DIAGRAMS **APPLICATION FORMS**

SKYLINE PANEL																									
		FRAME 3V	FLUSH BOX	FRAME 4V	FLUSH BOX	FRAME 5V	FLUSH BOX	FRAME 6V	FLUSH BOX	FRAME 7V	FLUSH BOX	MARCO 8V	FLUSH BOX	JOINING BOLTS	CABLE	AMPLI. MOD	PUSH BUTTON MODULES			BLANK MODULE		POWER SUPPLY	ADAPTOR	LINE TERMINA.	COLOUR MONITOR	CONNECTOR
Nº AP.	SE-RIE	ref. 7333	ref. 8854	ref. 7334	ref. 8855	ref. 7335	ref. 8856	ref. 7336	ref. 8857	ref. 7337	ref. 8858	ref. 7338	ref. 8982	ref. 8829	ref. 2541	VIDEO ref.7391	201 ref.7376	202 ref.7372	204 ref.7371	V ref.7442	2V ref.7443	ref. 4812	ref. 3243	ref. 3255	ref. 3412	ref. 3415
2	S4	1	1													1	1					1	1	1	2	2
4	S4	1	1													1		1				1	1	2	4	4
6	S5			1	1											1	1	1				1	1	2	6	6
8	S5			1	1											1			1			1	1	2	8	8
10	S6					1	1									1	1		1			1	1	2	10	10
12	S6					1	1									1		1	1			1	1	2	12	12
14	S7							1	1							1	1	1	1			2	2	2	14	14
16	S7							1	1							1			2			2	2	2	16	16
18	S8									1	1					1	1		2			2	2	2	18	18
20	S8									1	1					1		1	2			2	2	2	20	20
22	S9											1	1			1	1	1	2			2	2	2	22	22
24	S9											1	1			1			3			2	2	2	24	24
24	S5			2	2									1	1	1			3			2	2	2	24	24
26	S6					2	2							1	1	1	1	2	2	1		2	2	2	26	26
28	S6					2	2							1	1	1		1	3	1		2	2	2	28	28
30	S6					2	2							1	1	1	1	1	3			2	2	2	30	30
32	S6					2	2							1	1	1		2	3			2	2	2	32	32
32	S7							2	2					1	1	1			4		1	2	2	2	32	32
34	S7							2	2					1	1	1	1		4	1		3	3	2	34	34
36	S7							2	2					1	1	1		1	4	1		3	3	2	36	36
38	S7							2	2					1	1	1	1	1	4			3	3	2	38	38
40	S7							2	2					1	1	1			5			3	3	2	40	40

NOTE: 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. CC electric lock is ref.30701. Electric lock 540N-412-S MAX.

| SKYLINE PANEL | | | |

FERMAX VDS VIDEO (SKYLINE)

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
					ref. 8829	ref. 2541	ref. 7421	ref. 7376	ref. 7372	ref. 7371	ref. 7442	ref. 7443	ref. 4830	ref. 2449	ref.3311 B/W ref.3305 COL	ref. 3314
2	S4	3V	7333	8854			1	1					1		2	2
4	S4	3V	7333	8854			1		1				1	1	4	4
6	S5	4V	7334	8855			1	1	1				1	2	6	6
8	S5	4V	7334	8855			1			1			1	2	8	8
10	S6	5V	7335	8856			1	1		1			1	3	10	10
12	S6	5V	7335	8856			1		1	1			1	3	12	12
14	S7	6V	7336	8857			1	1	1	1			1	4	14	14
16	S7	6V	7336	8857			1			2			1	4	16	16
18	S8	7V	7337	8858			1	1		2			1	5	18	18
20	S8	7V	7337	8858			1		1	2			1	5	20	20
22	S9	8V	7338	8982			1	1	1	2			1	6	22	22
24	S9	8V	7338	8982			1			3			1	6	24	24
24	S5	4V	7334 X2	8855 X2	1	1	1			3			1	6	24	24
26	S6	5V	7335 X2	8856 X2	1	1	1	1	2	2	1		1	7	26	26
28	S6	5V	7335 X2	8856 X2	1	1	1		1	3	1		1	7	28	28
30	S6	5V	7335 X2	8856 X2	1	1	1	1	1	3			1	8	30	30
32	S6	5V	7335 X2	8856 X2	1	1	1		2	3			1	8	32	32
32	S7	6V	7336 X2	8857 X2	1	1	1			4		1	1	8	32	32
34	S7	6V	7336 X2	8857 X2	1	1	1	1		4	1		1	9	34	34
36	S7	6V	7336 X2	8857 X2	1	1	1		1	4	1		1	9	36	36
38	S7	6V	7336 X2	8857 X2	1	1	1	1	1	4			1	10	38	38
40	S7	6V	7336 X2	8857 X2	1	1	1			5			1	10	40	40
For 24-40 apartments a digital panel is recommended.									DISPLAY VDS REF.7421		DISPLAY KEYPAD REF.7447					
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

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

VDS AUDIO (SKYLINE)

Nº APART.	SERIES		FRAME REF.	FLUSH BOX	JOINING BOLTS	CABLE	AMP.	201	202	204	W/PUS. V	W/PUS. W	P.S.U.	TELEPHONE
					ref. 8829	ref. 2541	ref. 7415	ref. 7376	ref. 7372	ref. 7371	ref. 7442	ref. 7443	ref 4830	ref. 3390
2	S4	3V	7333	8854			1	1					1	2
4	S4	3V	7333	8854			1		1				1	4
6	S5	4V	7334	8855			1	1	1				1	6
8	S5	4V	7334	8855			1			1			1	8
10	S6	5V	7335	8856			1	1		1			1	10
12	S6	5V	7335	8856			1		1	1			1	12
14	S7	6V	7336	8857			1	1	1	1			1	14
16	S7	6V	7336	8857			1			2			1	16
18	S8	7V	7337	8858			1	1		2			1	18
20	S8	7V	7337	8858			1		1	2			1	20
22	S9	8V	7338	8982			1	1	1	2			1	22
24	S9	8V	7338	8982			1			3			1	24
24	S5	4V	7334^{x2}	8855^{x2}	1	1	1			3			1	24
26	S6	5V	7335^{x2}	8856^{x2}	1	1	1	1	2	2	1		1	26
28	S6	5V	7335^{x2}	8856^{x2}	1	1	1		1	3	1		1	28
30	S6	5V	7335^{x2}	8856^{x2}	1	1	1	1	1	3			1	30
32	S6	5V	7335^{x2}	8856^{x2}	1	1	1		2	3			1	32
32	S7	6V	7336^{x2}	8857^{x2}	1	1	1			4		1	1	32
34	S7	6V	7336^{x2}	8857^{x2}	1	1	1	1		4	1		1	34
36	S7	6V	7336^{x2}	8857^{x2}	1	1	1		1	4	1		1	36
38	S7	6V	7336^{x2}	8857^{x2}	1	1	1	1	1	4			1	38
40	S7	6V	7336^{x2}	8857^{x2}	1	1	1			5			1	40

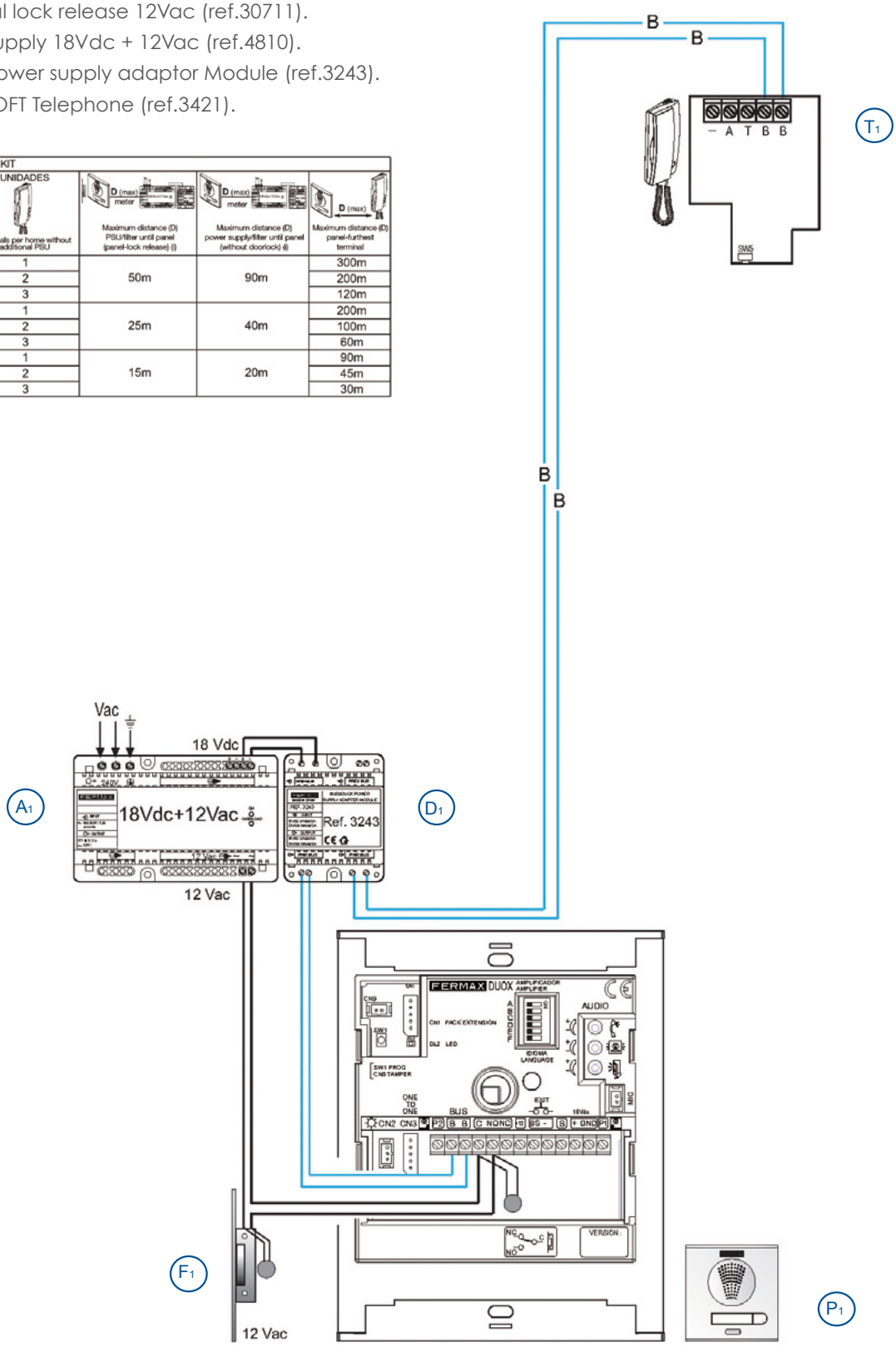
*NOTE: If an AC electric lock is used, an additional power supply (ref.4800 12Vac/1,5A) or an AC electric lock commander (ref.3264) are required. X2 = Order 2 units of the indicated reference.

1/W DUOX AUDIO KIT. INSTALLATION: 2 WIRES

- (P1) DUOX CITYLINE Panel.
- (F1) Electrical lock release 12Vac (ref.30711).
- (A1) Power supply 18Vdc + 12Vac (ref.4810).
- (D1) DUOX power supply adaptor Module (ref.3243).
- (T1) DUOX LOFT Telephone (ref.3421).

AUDIO INSTALLATION KIT

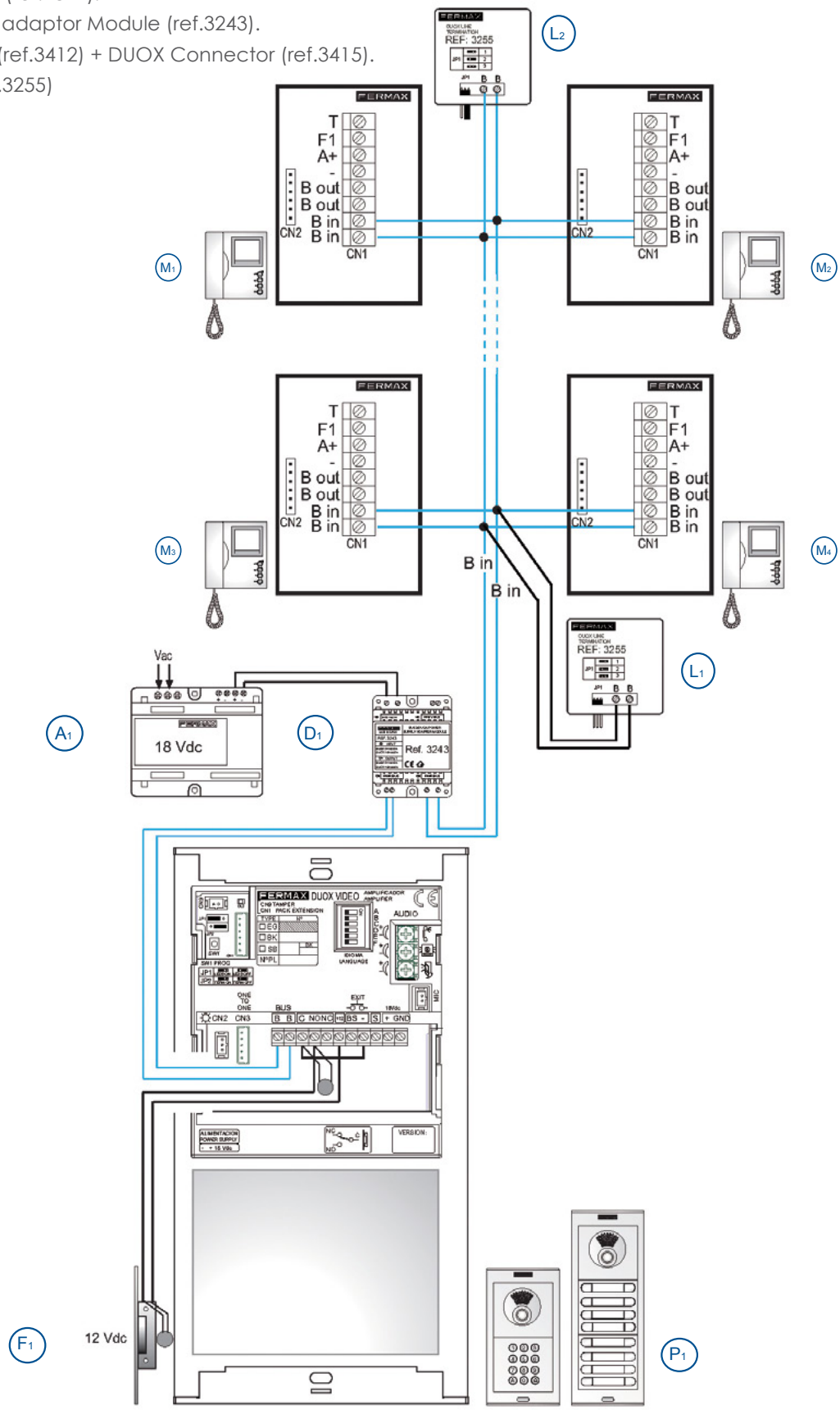
CABLE SECTION	UNIDADES Terminals per home without additional PSU	Maximum distance (D) PSU/lifter until panel (panel-lock release) (i)	Maximum distance (D) power supply/lifter until panel (without doorlock) (i)	Maximum distance (D) panel-furthest terminal
2 x 1 mm²	1	50m	90m	300m
	2			200m
	3			120m
2 x 0,5 mm²	1	25m	40m	200m
	2			100m
	3			60m
2 x 0,2 mm²	1	15m	20m	90m
	2			45m
	3			30m



DIAGRAMS. **DUOX VIDEO (SKYLINE)**

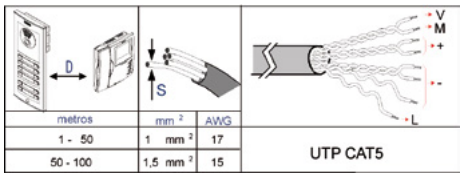
1 ACCES VIDEO DUOX WITH SKYLINE PANEL. INSTALLATION: 2 WIRES

- (P1) DUOX SKYLINE Panel.
- (F1) Electrical lock release 12Vdc (ref.30701).
- (A1) Power supply 18Vdc (ref.4812).
- (D1) DUOX power supply adaptor Module (ref.3243).
- (M1) (M2) DUOX LOFT Monitor (ref.3412) + DUOX Connector (ref.3415).
- (L1) (L2) Line termination (ref.3255)

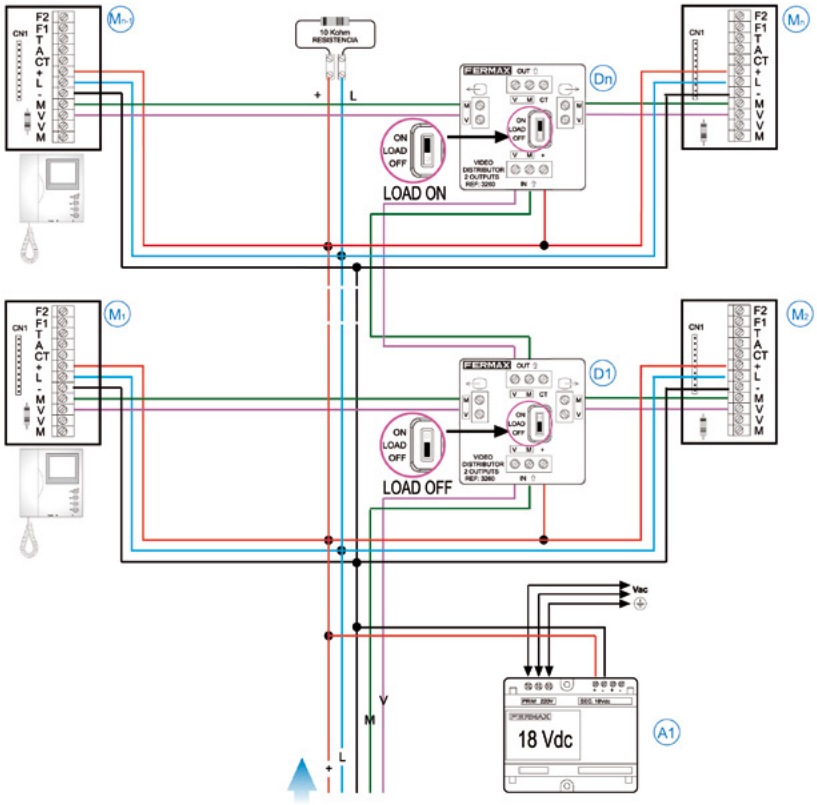


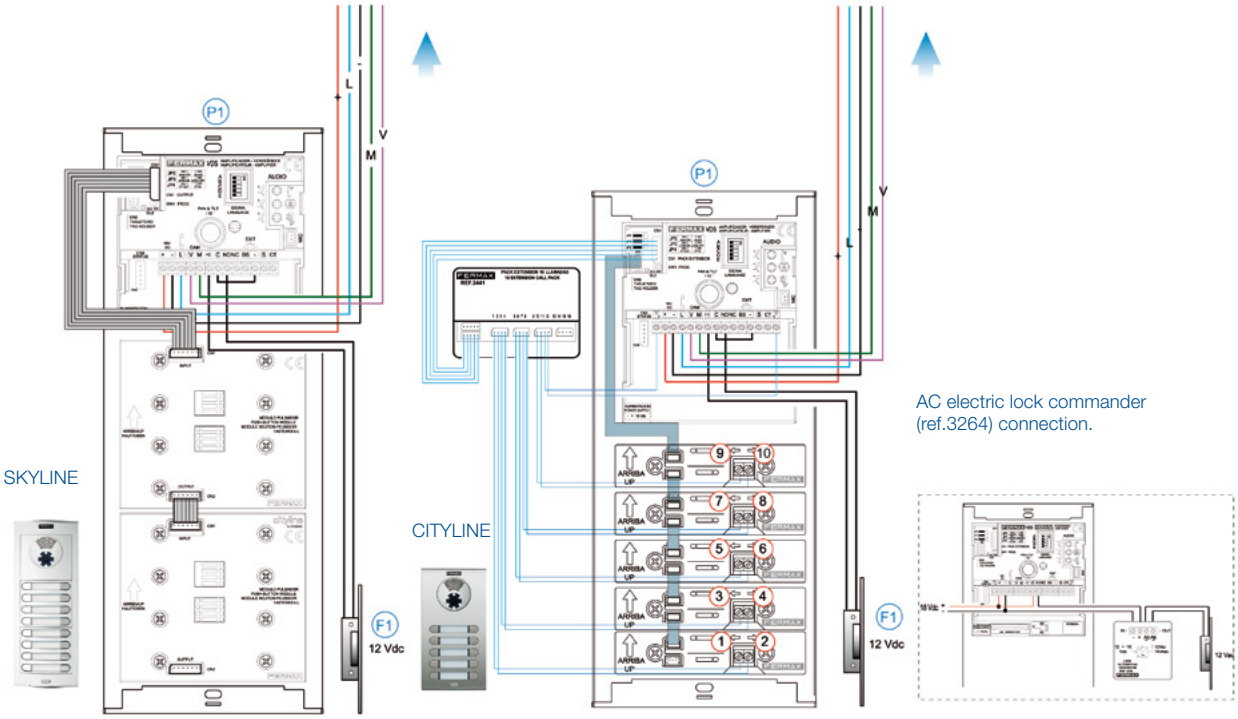
1 ACCESS VDS VIDEO WITH SKYLINE/CITYLINE PANEL. INSTALLATION: 5 WIRES/UTP CAT5

- (P1) SKYLINE/CITYLINE panel.
- (F1) Lock release 12Vdc (ref.30701).
- (A1) Power supply 18Vdc (ref.4830).
- (D1) 2-ways video distributor (ref.3260).
- (M1) (M2) B/W Loft monitor (ref.3311) or Colour (ref.3305) + VDS connector (ref.3314).



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

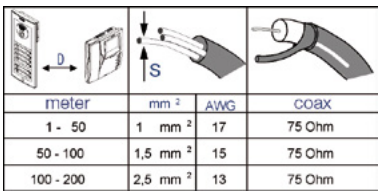




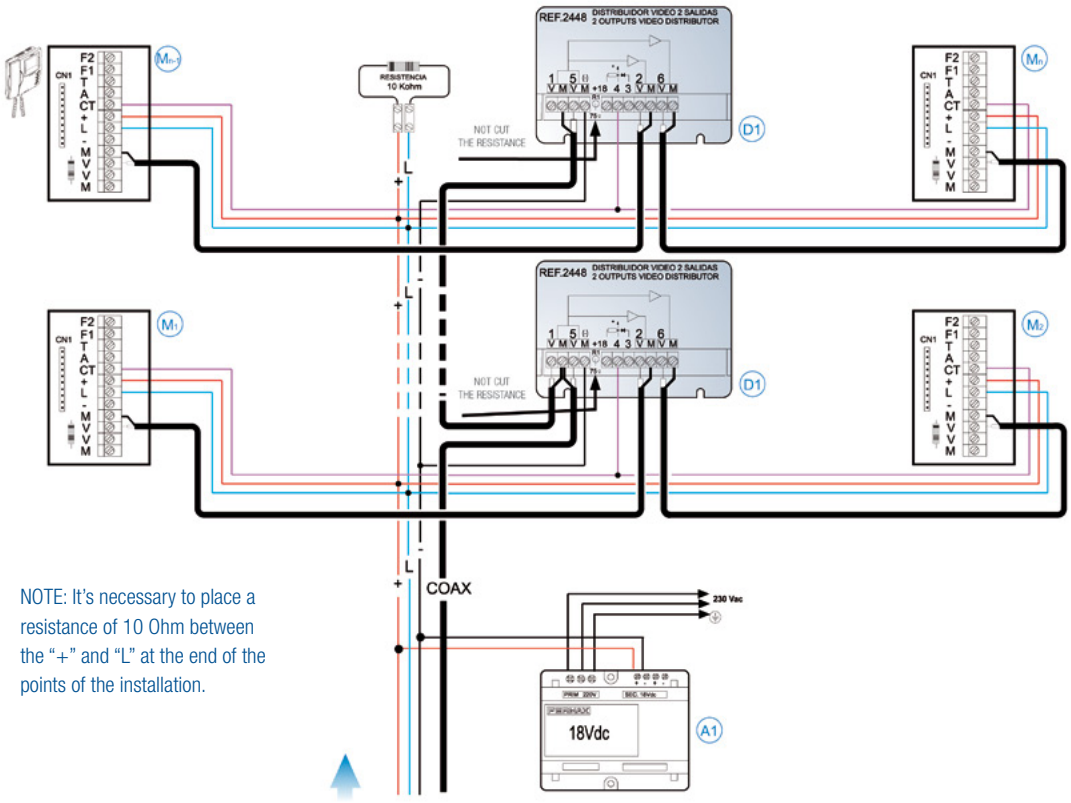
DIAGRAMS: **VDS VIDEO**

1 ACCESS VDS VIDEO WITH SKYLINE/CITYLINE PANEL. INSTALLATION: 3+COAX

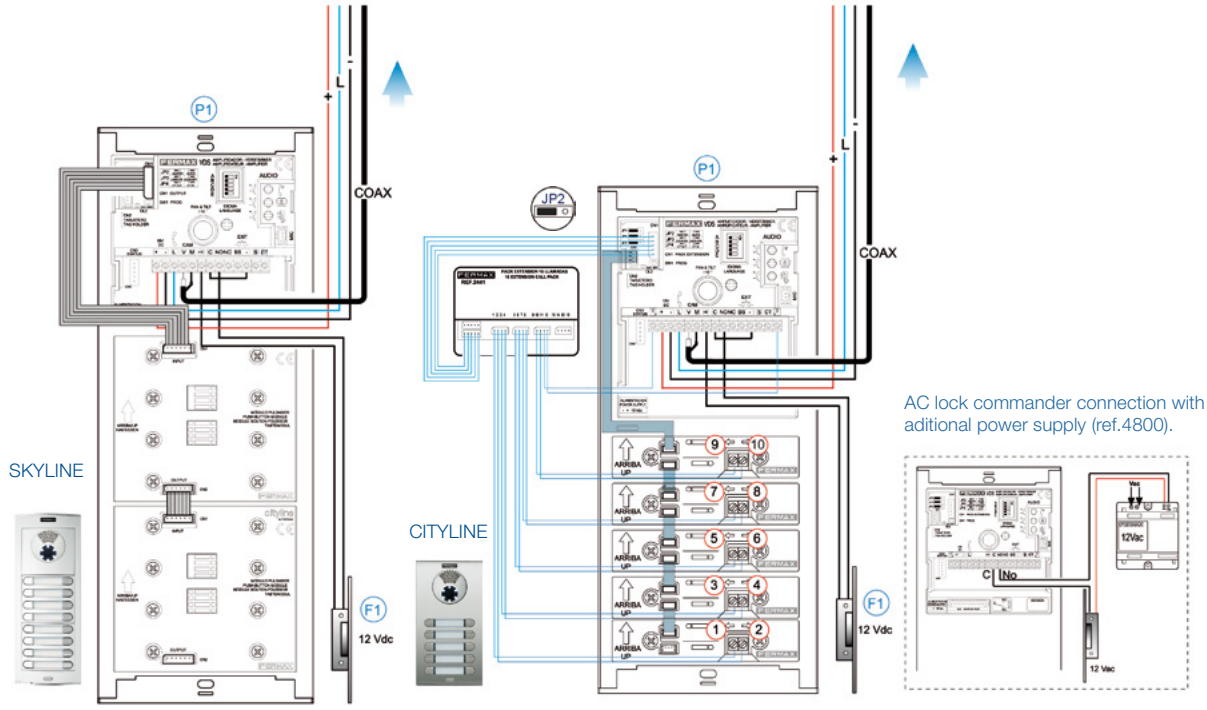
- (P1) SKYLINE/CITYLINE panel.
- (F1) Lock release 12Vdc (ref.30701).
- (A1) Power supply 18Vdc (ref.4830).
- (D1) 2-ways video distributor (ref.2448).
- (M1) (M2) B/W Loft monitor (ref.3311) or Colour (ref.3305) + VDS connector (ref.3314).



meter	mm ²	AWG	coax
1 - 50	1 mm ²	17	75 Ohm
50 - 100	1,5 mm ²	15	75 Ohm
100 - 200	2,5 mm ²	13	75 Ohm

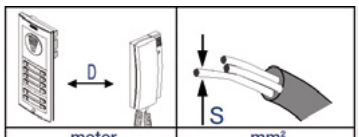


NOTE: It's necessary to place a resistance of 10 Ohm between the "+" and "L" at the end of the points of the installation.



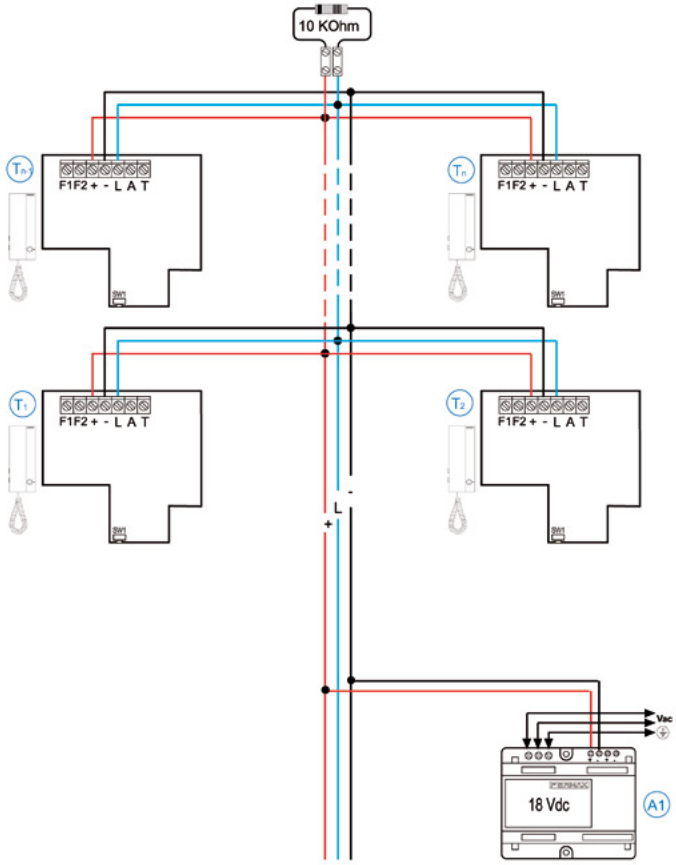
1 ACCESS VDS AUDIO WITH SKYLINE/CITYLINE PANEL. INSTALLATION: 3 WIRES.

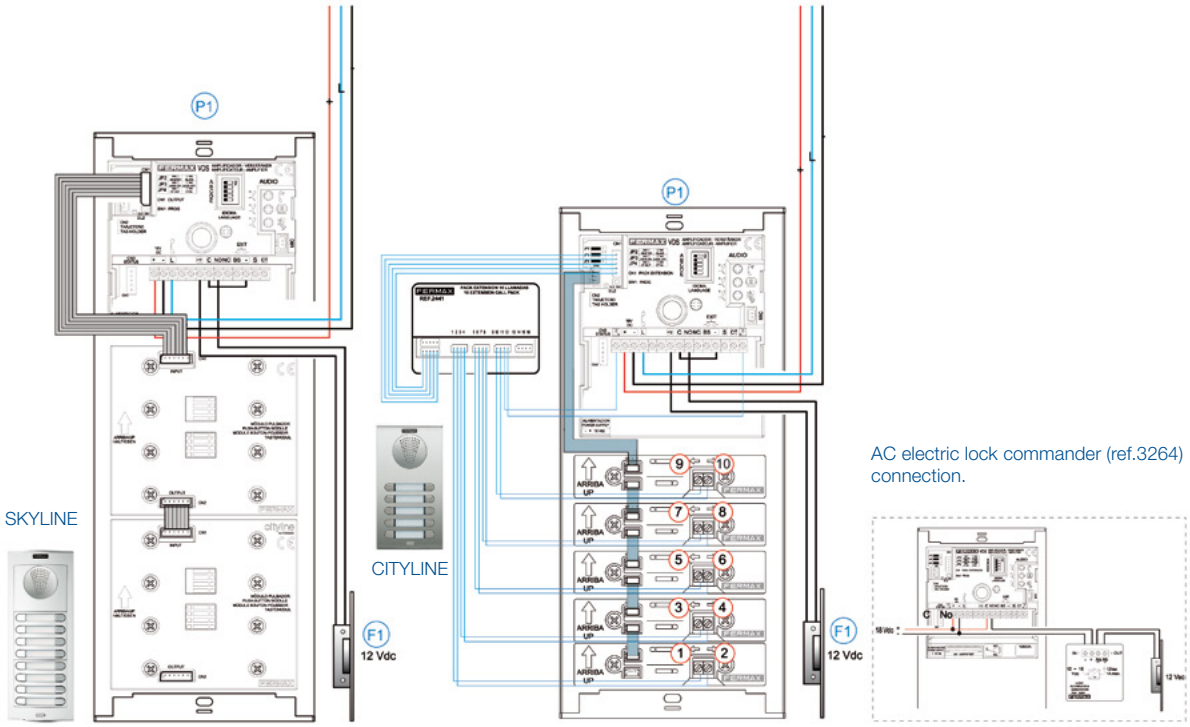
- (P1) SKYLINE/CITYLINE panel.
- (F1) Lock release 12Vdc (ref.3070).
- (A1) Power supply 18Vdc (ref.4830).
- (T1) (Tn) Loft Basic telephone (ref.3390).



meter	mm²
1 - 50	1 mm ²
50 - 100	1,5 mm ²
100 - 200	2,5 mm ²

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



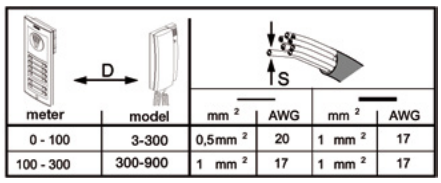


AC electric lock commander (ref.3264) connection.

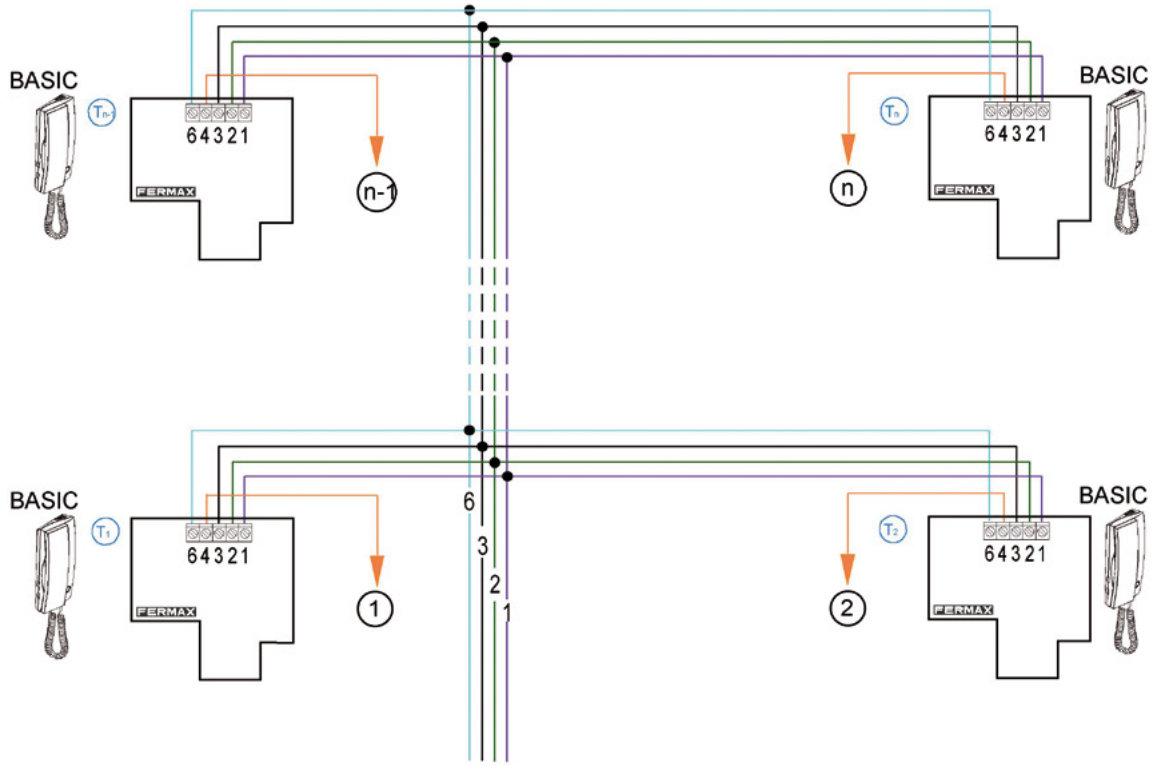
DIAGRAMS: **4+N AUDIO**

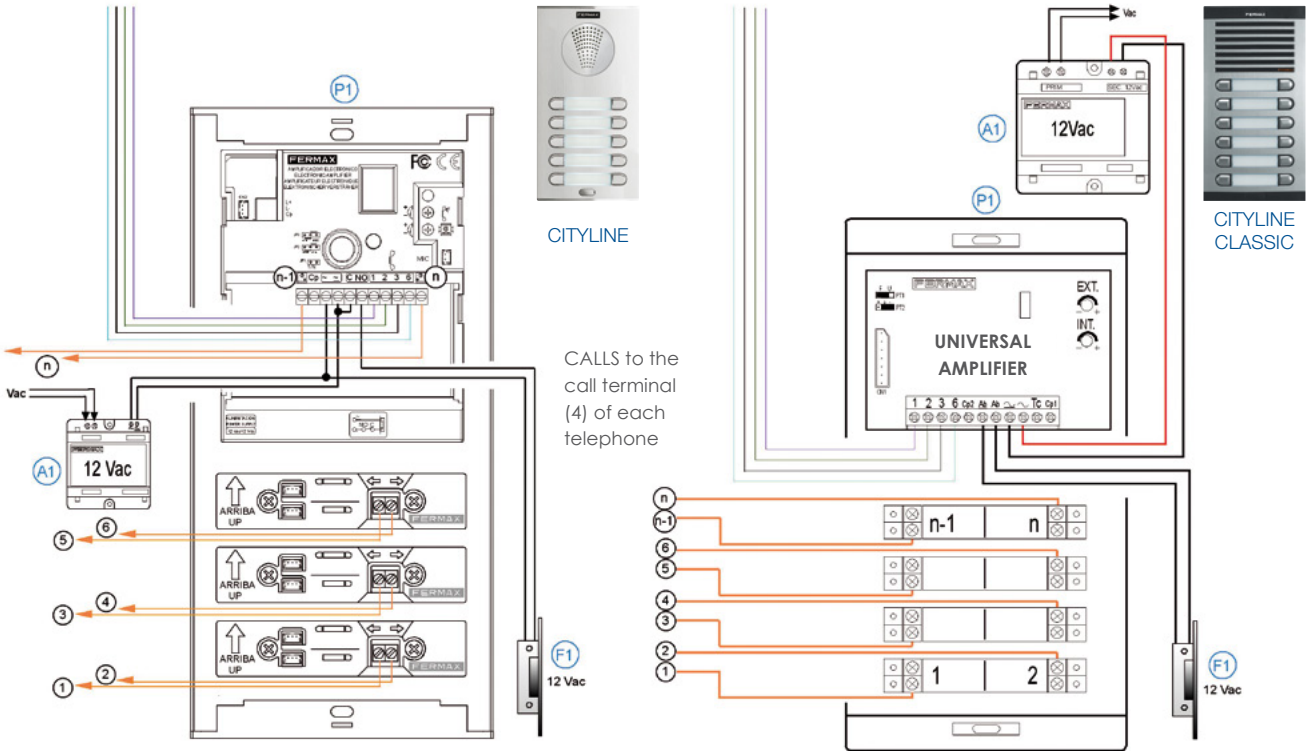
1 ACCESS 4+N AUDIO WITH CITYLINE/CITYLINE CLASSIC PANEL

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



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

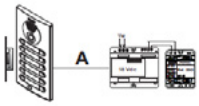
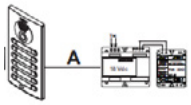
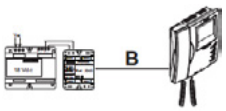
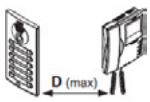




FERMAX DUOX VIDEO SYSTEM FEATURES

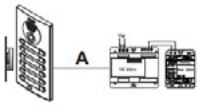
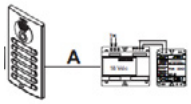
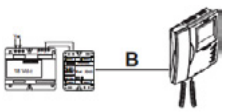
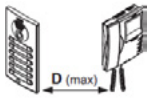
BASIC VIDEO INSTALLATION WITHOUT ADDITIONAL ELEMENTS

1 RISER: VIDEO BUILDING INSTALLATION

CABLE SECTION	 Maximum distance (A) PSU/Filter until Panel (Panel+door lock) (i)	 Maximum distance (A) PSU/Filter until Panel (without door lock)	 Maximum Distance (B) PSU/Filter until FURTHEST TERMINAL (ii)	Max. Quantity of MONITORS per PSU (ii)	 Maximum Distance PANEL-FURTHEST TERMINAL with additional PSUs+filters (iii)	MAX.TOTAL Quantity of MONITORS
2 x 1.0mm²	20m	20m	40m	20	120m	100
2 x 0.5mm²	15m	20m	35m	20	100m	80
2 x 0.2mm²	10m	15m	30m	20	100m	80

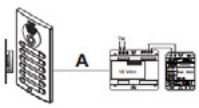
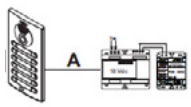
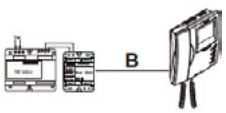
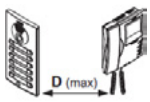
Expands with 2 terminals for apartments.

2 RISERS: VIDEO BUILDING INSTALLATION

CABLE SECTION	 Maximum distance (A) PSU/Filter until Panel (Panel+door lock) (i)	 Maximum distance (A) PSU/Filter until Panel (without door lock)	 Maximum Distance (B) PSU/Filter until FURTHEST TERMINAL (ii)	Max. Quantity of MONITORS per PSU (ii)	 Maximum Distance PANEL-FURTHEST TERMINAL with additional PSUs+filters (iii)	MAX.TOTAL Quantity of MONITORS
2 x 1.0mm²	10m	10m	40m	20	100m	100 (50 per riser)
2 x 0.5mm²	10m	10m	35m	20	85m	80 (40 per riser)
2 x 0.2mm²	10m	10m	30m	20	85m	80 (40 per riser)

Expands with 2 terminals for apartments.

3 RISERS: VIDEO BUILDING INSTALLATION

CABLE SECTION	 Maximum distance (A) PSU/Filter until Panel (Panel+door lock) (i)	 Maximum distance (A) PSU/Filter until Panel (without door lock)	 Maximum Distance (B) PSU/Filter until FURTHEST TERMINAL (ii)	Max. Quantity of MONITORS per PSU (ii)	 Maximum Distance PANEL-FURTHEST TERMINAL with additional PSUs+filters (iii)	MAX.TOTAL Quantity of MONITORS
2 x 1.0mm²	10m	10m	40m	20	70m	60 (24 per riser)
2 x 0.5mm²	10m	10m	35m	20	70m	60 (20 per riser)
2 x 0.2mm²	10m	10m	30m	20	70m	60 (20 per riser)

Expands with 1 terminal for apartments.

(i) For 12 Vdc door lock max. 250 mA supplied from amplifier.

(ii) Each additional PSU+filter allow to expand the system in distance and terminals according to the table.

(iii) Longer distances can be reached via regenerators.

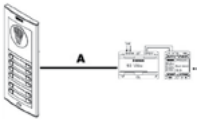
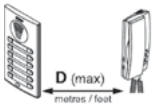
VIDEO INSTALLATION WITH ADDITIONAL ELEMENTS

- Until 999.999 apartments.
- Until 10 General entrance panels.
- Until 100 Interior blocks with 10 panels and 9.999 apartments.
- Until 100 Sub-blocks with 10 panels and 99 apartments.

DUOX VIDEO SYSTEM FEATURES

DUOX BASIC AUDIO INSTALLATION WITHOUT ADDITIONAL ELEMENTS

1 RISER: AUDIO BUILDING INSTALLATION

CABLE SECTION	Maximum distance (A) PSU/Filter until Panel (Panel+door lock) (i)	 Maximum distance (A) PSU/Filter until Panel (without door lock)	Maximum Distance (B) PSU/Filter until FURTHEST TERMINAL (ii)	Max. Quantity of TELEPHONS per PSU (ii)	 Maximum Distance PANEL-FURTHEST TERMINAL with additional PSUs+filters (iii)
2 x 1.0mm²	25m	50m	75m	48	300m
2 x 0.5mm²	15m	30m	60m	32	300m
2 x 0.2mm²	10m	15m	35m	16	300m

Expands with 2 terminals for apartments.

TERMINALS AND DOOR ENTRY PANELS

IN THE APARTMENT

CHOOSE BETWEEN **MONITOR OR TELEPHONE** DEPENDING ON THE REQUIRED TECHNOLOGY

	MONITORS					TELEPHONES		
TECHNOLOGIES	LOFT	iLOFT	SMILE 7"	SMILE 3.5"	VIVO	LOFT	iLOFT	CITYMAX
DUOX	YES	YES				YES		YES
VDS	YES	YES	YES	YES		YES	YES	
ANALOGUE MDS	YES					YES		YES
LYNX					YES			

DOOR ENTRY PANELS

DEPENDING OF THE TECHNOLOGY, CHOOSE THE **DOOR ENTRY PANEL** REQUIRED

	SKYLINE		MARINE PUSH BUTTON		MARINE DIGITAL
TECHNOLOGY	VIDEO	AUDIO	VIDEO	AUDIO	VIDEO
DUOX	YES	YES	YES	YES	YES
VDS	YES	YES	YES	YES	YES
ANALOGUE MDS	YES	YES	YES	YES	YES
LYNX	YES		YES		YES

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FERMAX

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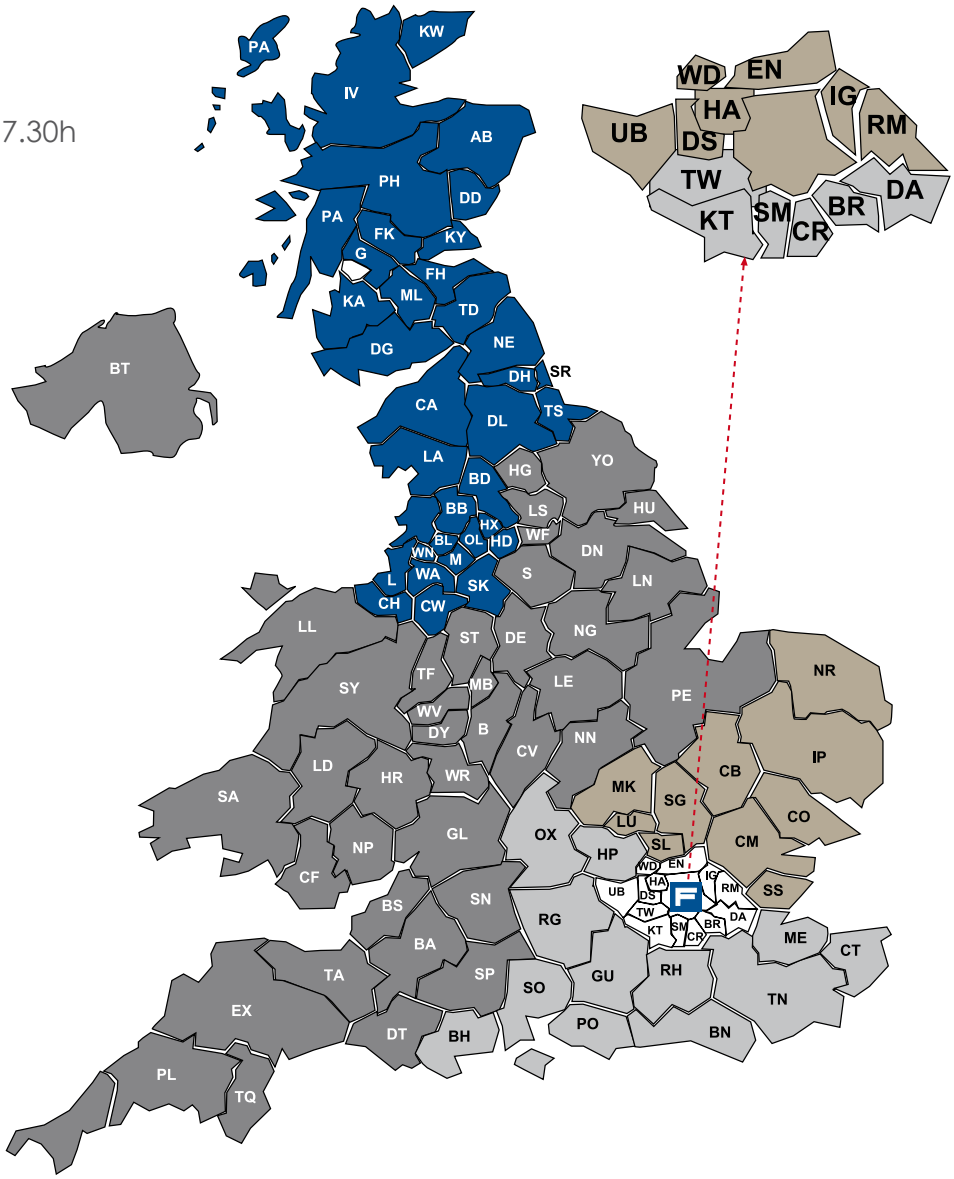

ALWAYS AT **OUR CUSTOMERS SERVICE**

Our customers are professionals with whom we intend to establish long lasting bonds based on confidence and trust.

Despite having grown into a leading international company in its field, Fermax cherishes and maintains its family roots and values.

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 right 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 in 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 licence rights reserved.

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