

# FERMAX

## 2013 GENERAL CATALOGUE



**DESIGN**

Fermax Electrónica S.A.U.

**2013 GENERAL CATALOGUE**

1<sup>st</sup> Edition. April 2013

# FERMAX



BUILDING COMMUNICATIONS



# FERMAX

## A GREAT FAMILY BRAND

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

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

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

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

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

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

Our products are also sold in another 70 countries.

## WORLDWIDE PROJECTS



Palm Jumeirah  
Dubai-UAE



Eureka Tower  
Melbourne-Australia



Kolupark  
Turkey



Capital Group  
Moscow-Russia

## MANUFACTURING PROCESS

Is in Fermax headquarters modern premises of more than 15.000m<sup>2</sup> where the manufacturing process takes place: assembly of the electronic circuits, plastic injection, the cutting panel process, the laser engraving and the multiple quality tests.

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



ISO 14001



ISO 9001

## OUR BUSINESS CULTURE

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

## FERMAX UK Ltd, 16 YEARS OFFERING THE BEST SERVICE

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

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



Chelsea bridge  
London - U.K.



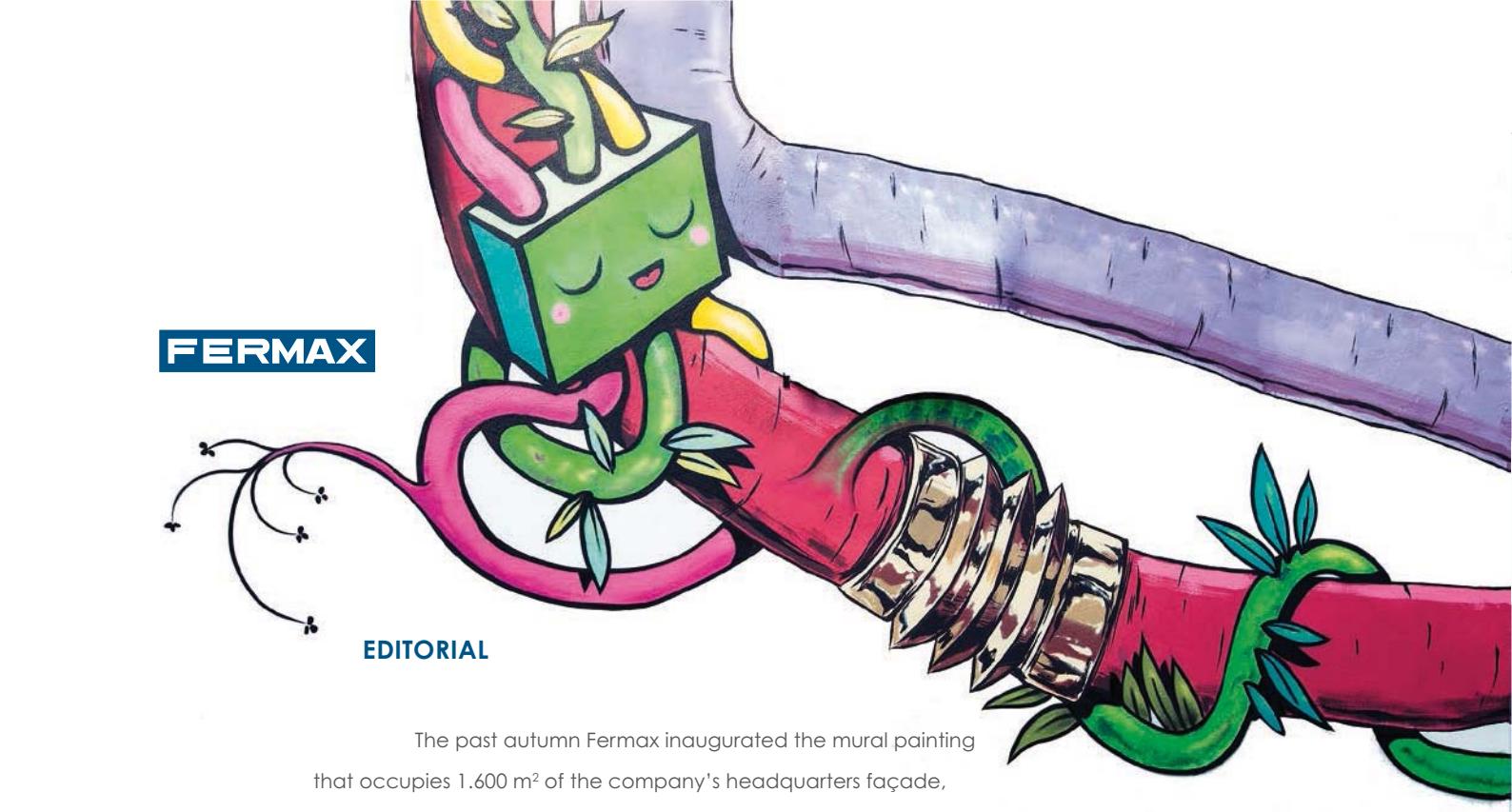
The Orion building  
Birmingham - U.K.



The Cube  
Birmingham - U.K.



Meridian Quay  
Swansea - Wales



**FERMAX**

## EDITORIAL

The past autumn Fermax inaugurated the mural painting that occupies 1.600 m<sup>2</sup> of the company's headquarters façade, implemented during the month of August by seven artists dedicated to the Street Art. The idea of bringing out art by transforming the streets into outdoor museums is always in the mind of the muralists. The core idea of our corporation is to contribute to social transformation making connections easier and allowing effective communication. The result of this particular initiative is a unique and innovative piece of urban art.

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

They have shown in this façade our dedication to interpersonal communication and our social responsibility, our international vocation, our capacity of innovation and our concern for a sustainable production. But these are not abstract concepts anymore, loose words: these are images. People and cities communicated and constantly connected, electricity that becomes visible, electronics with human face, cables that grow as vines to embrace different realities.



Our reality has inspired their way to do art.

Now their images are the ones which inspire us: to remind us of our most important task, to encourage us to reach further in our way.

<b>KITS</b>	Video Audio	8 10	<b>07</b>
<b>PANELS</b>	Skyline Cityline Digital Marine	18 28 30	<b>17</b>
<b>LOCK RELEASE</b>	Flush-mounted Surface Specials	35 36 36	<b>33</b>
<b>MONITORS &amp; TELEPHONES</b>	iLoft monitor Loft monitor Loft Compact monitor iLoft telephone Loft telephone	40 42 43 44 45	<b>39</b>
<b>VDS SYSTEM</b>			<b>48</b>
<b>MDS SYSTEM</b>			<b>54</b>
<b>ACCESS CONTROL</b>	Stand-alone Centralized	66 70	<b>65</b>
<b>TECHNICAL INFORMATION</b>	Projects Diagrams	76 78	<b>75</b>
<b>INDEX OF REFERENCES</b>			<b>83</b>
<b>CONTACT</b>			





# KITS

VIDEO  
AUDIO

**FERMAX**

## STAR KITS

VDS



## 4961 1/W VDS COLOUR CITY VIDEO KIT

## Includes

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

## Extensions (with no extra power supply)

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

2<sup>nd</sup> Audio access

48455. 1/W audio panel and flush box.

2<sup>nd</sup> Video access

48505. 1/W video panel and flush box.

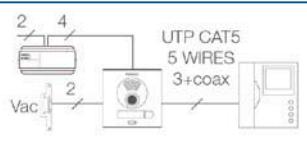
2450. Video switcher.

## Accessories

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

## 4955 1/W VDS COLOUR MEMORY VIDEO KIT

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



VDS (2 APARTMENTS)



X2

## 49627 2/W VDS COLOUR CITY VIDEO KIT

## Includes

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

## Extensions (with no extra power supply)

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

2<sup>nd</sup> Audio access

48465. 2/W audio panel and flush box.

2<sup>nd</sup> Video access

48515. 2/W video panel and flush box.

2450. Video switcher.

## Accessories

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

## EXCLUSIVE

VDS



## 4950 1/W VDS iLOFT VIDEO KIT

## Includes

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

## Extensions (with no extra power supply)

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

2<sup>nd</sup> Audio access

48455. 1/W audio panel and flush box.

2<sup>nd</sup> Video access

48505. 1/W video panel and flush box.

2450. Video switcher.

## Accessories

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

## 4954 1/W VDS iLOFT SURFACE VIDEO KIT

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



## HANDS-FREE MONITOR



VDS

### 4958 1/W VDS LOFT COMPACT VIDEO KIT

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

## STAINLESS STEEL



VDS

### 5432 1/W VDS COLOUR MARINE KIT

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

## WITH ONE-TO-ONE



VDS

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

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

## WITH PROXIMITY READER



VDS

### 4887 1/W VDS COLOUR PRIVATE VIDEO KIT

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

## WITH KEYPAD



VDS

### 4984 1/W VDS COLOUR MEMOVISION KIT

4902. 1/W COLOUR VDS MEMOVISION panel. 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



VDS

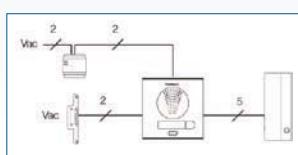
### 4892 1/W VDS COLOUR BIOVISION KIT

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

## ANALOGUE TECHNOLOGY



5 WIRES



## 4860 1/W 4+N CITY AUDIO KIT

## Includes

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

2<sup>nd</sup> Audio access

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

## Accessories

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

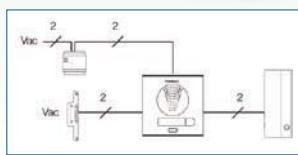
## Extensions (without extra power supply)

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

## 4862 2/W 4+N CITY AUDIO KIT

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

## DUOX TECHNOLOGY

2 wires  
DUOX

## 4920 1/W DUOX CITY AUDIO KIT

## Includes

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

2<sup>nd</sup> Audio access

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

## Accessories

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

## Extensions

2 DUOX LOFT telephones (ref.3420).

## 4921 2/W DUOX CITY AUDIO KIT

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

## EXCLUSIVE. HANDS-FREE



VDS

## 4878 1/W VDS iLOFT AUDIO KIT

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

## 4879 2/W VDS iLOFT AUDIO KIT

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

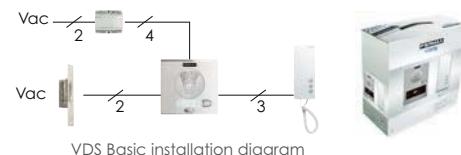
## STAINLESS STEEL



VDS

## 5431 1/W VDS MARINE KIT

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



## CLASSIC KITS



4+N

### 69400 1/W 4+N CITY CLASSIC AUDIO KIT

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

### 63250 2/W 4+N CITY CLASSIC AUDIO KIT

## WITH ONE-TO-ONE



VDS

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

7356. 1/W VDS OneToOne CITY panel (S4: 130x199) and kit flush box (S4. ref.8949: 115x185x45).  
VDS LOFT EXTRA telephone with induction loop.  
2336. Light/buzzer activator.  
4810. Power supply 18Vdc/1,5A-12Vac/1,5A. DIN 10.

## WITH KEYPAD



VDS

### 4982 1/W VDS MEMOPHONE KIT

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

## MINI KITS



4+N

### 1502 1/W 4+N MINI SURFACE KIT

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

### 1503 2/W 4+N MINI SURFACE KIT

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

## WITH PROXIMITY



VDS

### 4886 1/W VDS PRIVATE AUDIO KIT

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

## WITH FINGERPRINT



VDS

### 4890 1/W BIOPHONE VDS KIT

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

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



## DUOX BUILDING KITS UP TO 24 APARTMENTS

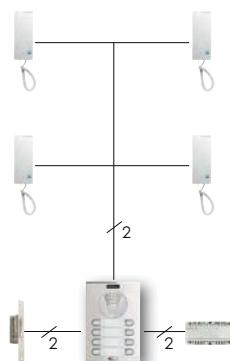
### INSTALLATION: 2 WIRES NON POLARIZED

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

#### KIT EXTENSIONS AND ACCESSORIES:

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

#### AUDIO DIGITAL



#### BASIC INSTALLATION



#### 4920 1/W DUOX CITY AUDIO KIT

X1

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



#### 4921 2/W DUOX CITY AUDIO KIT

X2

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



#### 4303 3/W DUOX CITY AUDIO KIT

X3

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



#### 4304 4/W DUOX CITY AUDIO KIT

X4

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



#### 4306 6/W DUOX CITY AUDIO KIT

X6

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



#### 4308 8/W DUOX CITY AUDIO KIT

X8

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



## 4310 10/W DUOX CITY AUDIO KIT

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



## 4312 12/W DUOX CITY AUDIO KIT

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



## 4314 14/W DUOX CITY AUDIO KIT

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



## 4315 16/W DUOX CITY AUDIO KIT

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



## 4316 18/W DUOX CITY AUDIO KIT

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



## 4317 20/W DUOX CITY AUDIO KIT

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



## 4318 22/W DUOX CITY AUDIO KIT

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



## 4319 24/W DUOX CITY AUDIO KIT

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



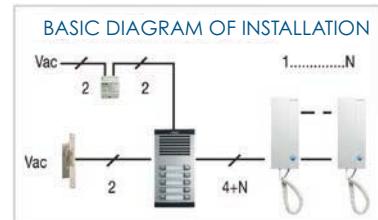
## AUDIO KITS - BUILDINGS

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

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

### KIT EXTENSIONS AND ACCESSORIES:

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



With LOFT telephone

### 69400 1/W CITY CLASSIC AUDIO KIT

analogue (4+1)



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

### 63250 2/W CITY CLASSIC AUDIO KIT

analogue (4+2)



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

### 63300 3/W CITY CLASSIC AUDIO KIT

analogue (4+3)



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

### 63350 4/W CITY CLASSIC AUDIO KIT

analogue (4+4)



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

### 63400 6/W CITY CLASSIC AUDIO KIT

analogue (4+6)



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

### 63450 8/W CITY CLASSIC AUDIO KIT

analogue (4+8)



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

### 63500 10/W CITY CLASSIC AUDIO KIT

analogue (4+10)



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

### 63550 12/W CITY CLASSIC AUDIO KIT

analogue (4+12)



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

# FERMAX

## THE WIDEST RANGE OF KITS



Available from 1/W to 24/W.

Audio and Video.

Flush and surface mounted installation.

Integrated access control systems.

Available in different technologies.



# PANELS

SKYLINE  
CITYLINE DIGITAL  
CITYLINE CLASSIC  
MARINE

**FERMAX**



**SKYLINE**  
INFINITE POSSIBILITIES



The new language from FERMAX.

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

Providing **TOTAL CREATIVE FREEDOM** through its versatility and modular design.

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

## COMBINES

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

## ENHANCES

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

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

## RESISTS

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

## PROJECT

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

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

### VIDEO AND AUDIO MODULES



Video W

Audio W

### SKYLINE FRAMES



Frame 1V

Frame 2V

Frame 3V

Frame 4V

Frame 5V

Frame 6V

Frame 7V

Frame 8V

### DOUBLE PUSHBUTTONS



8 Push. 204 W

4 Push. 202 V

2 Push. 201 V

### SINGLE PUSHBUTTONS



4 Push. 104 W

2 Push. 102 V

1 Push. 101 V

### DIGITAL PUSHBUTTONS



Direct/Digital keypad W

Display W

MDS Digitiser V

### INFORMATION MODULES



Cardholder W

Cardholder V

OneToOne V



### ACCESSORIES



Metallic complement W

Metallic complement V

### ACCESS CONTROL



Fingerprint W

Keypad W

Proximity V

Bluetooth V



Module assembly sequence



## COMBINATIONS

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

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

**V** = 105,2 x 47,5 mm**W** = 105,2 x 95 mm

Frames are designated according to their **V** module inclusion capacity.

## ASSEMBLY

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

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

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

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

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

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

## TECHNICAL FEATURES

### VDS VIDEO PANEL WITH PUSHBUTTONS

Zamak injected profile tops.

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

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

Extruded aluminium curved-convex. Anodized finish.

Zamak injected call button with chromed finish.

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

Concealed screw bolt fixes panel to flush box.



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

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

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

High sensitivity **electret microphone**.

### REAR VIEW

Electronic circuit manufactured in SMD.

**VDS connections:**

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

**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°.

Pushbutton with watertight contacts.

Able to resist 100.000 pressings in 48 hours.

Laterally folding hinges.



**Operating test connector:** audio, video and monitors programmation.

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

## 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  
1Vref.7332  
2Vref.7333  
3Vref.7334  
4Vref.7335  
5Vref.7336  
6V

## TWO OR MORE PANELS

### 8829 JOINING BOLTS SET

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

### CONNECTION CABLES

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

Choose the right cable depending of the panel configuration:

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

ref.7337  
7Vref.7338  
8V

ref.8829



ref.2541 / 2540

VDS

### 2541 VDS CONNECTION CABLE (6W)

### 2540 ANALOGUE CONNECTION CABLE (3W)

### 2542 VDS CONNECTION CABLE (5W)

### 2543 MDS CONNECTION CABLE (7W)

## ACCESSORIES

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

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

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

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

### MODULAR DECORATIVE FRAME\*

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

It is also an aesthetic element.

Modular assembly.



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

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

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

## 2. MODULES

### AUDIO & COLOUR VIDEO AMPLIFIER

7421 VDS COLOUR VIDEO MODULE W

7406 ANALOGUE COLOUR VIDEO MODULE W

7415 VDS AUDIO MODULE W

7400 ANALOGUE AUDIO MODULE W

7399 ANALOGUE AUDIO BASIC MODULE W



COLOUR VIDEO MODULE W



AUDIO MODULE W

Only for pushbuttons panels. OneToOne module not allowed.  
Compatible with electronic call Fermax telephones.

### PUSHBUTTONS MODULES

#### DOUBLE PUSHBUTTONS

7371 8 PUSH. 204 VDS MODULE W

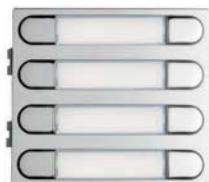
7369 8 PUSH. 204 ANALOGUE MODULE W

7372 4 PUSH. 202 VDS MODULE V

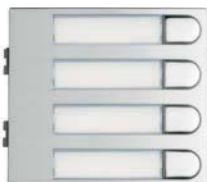
7370 4 PUSH. 202 ANALOGUE MODULE V

7376 2 PUSH. 201 VDS MODULE V

7374 2 PUSH. 201 ANALOGUE MODULE V



8 PUSH. 204 W



4 PUSH. 104 W

#### SINGLE PUSHBUTTONS

7367 4 PUSH. 104 VDS MODULE W

7365 4 PUSH. 104 ANALOGUE MODULE W

7368 2 PUSH. 102 VDS MODULE V

7366 2 PUSH. 102 ANALOGUE MODULE V

7375 1 PUSH. 101 VDS MODULE V

7373 1 PUSH. 101 ANALOGUE MODULE V



4 PUSH. 202 V



2 PUSH. 102 V



2 PUSH. 201 V



1 PUSH. 101 V

#### BRAILLE LABEL



6945 BRAILLE SINGLE PUSHBUTTON LABEL 1-76

6946 BRAILLE DOUBLE PUSHBUTTON LABEL 1-76



## DIGITAL MODULES

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

7449 VDS DIGITAL DISPLAY W

7451 MDS DIGITAL DISPLAY W



ref.7449/7451



ref.7447



ref.7439

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

7447 VDS/MDS DIGITAL KEYPAD W

7439 VDS/MDS DIRECT KEYPAD W

7460 MDS DIGITIZER V

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

## INFORMATIVE MODULES AND ACCESSORIES

7448 ONE-TO-ONE MODULE V

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



ref.7448



7445 CARDHOLDER W

7444 CARDHOLDER V

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



ref.7445



ref.7444

7443 METALLIC COMPLEMENT W

7442 METALLIC COMPLEMENT V

Made in the same material as the aluminium panels.

Allows to cover gaps in the panel for future module installations.



ref.7443



ref.7442

# FERMAX SKYLINE PANEL

## ACCESS CONTROL MODULES

For more information, see "Access control" section.

### 7438 MEMOKEY W

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



ref.7438

### 7453 CENTRALIZED AC KEYPAD W

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

### 7457 CENTRALIZED AC SKYLINE DIRECT KEYPAD W

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

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

### 6989 FINGERPRINT READER W

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

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



ref.6989

### 7440 PROXIMITY READER V

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

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



ref.7440

### 23361 PROXIMITY CARD W/O MAGNETIC STRIP

### 2336 PROXIMITY CARD WITH MAGNETIC STRIP

### 44501 PROXIMITY KEYRING



ref.23361

ref.44501

### 7441 BLUETOOTH READER V

Allows 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

# SKYLINE PANEL

VDS VIDEO COMBINATIONS

PANELS

## 6 PUSHBUTTONS



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

## 8 PUSHBUTTONS



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

## 10 PUSHBUTTONS



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

## 12 PUSHBUTTONS



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

## 14 PUSHBUTTONS



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

## 16 PUSHBUTTONS



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

## 18 PUSHBUTTONS



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

## 20 PUSHBUTTONS



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

## 22 PUSHBUTTONS



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

## 24 PUSHBUTTONS



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

## OTHER COMBINATIONS



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

## VDS DIGITAL PANELS WITH ACCESS CONTROL SYSTEMS

### DIGITAL



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

### DIGITAL WITH FINGERPRINT



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

### DIGITAL PANORAMIC



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

**SKYLINE**  
BE CREATIVE

Create your own SKYLINE panel, save the image and draw up a list of materials with SKYLINE at [www.fermaxuk.com](http://www.fermaxuk.com)





## DIGITAL VIDEO DOOR ENTRY PANEL

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

## COMPACT AUDIO-VIDEO MODULE



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

## COLOUR CAMERA

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

## KEYPAD WITH MAXIMUM RESISTANCE



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

## LCD DISPLAY



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

The keys **◀▶** allow to browse through the user and programming menu. Once the door code is entered, press **▲** to call the house.

## INTUITIVE AND EASY USE

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



## ACCESS CONTROL BY KEYPAD

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

## 1. DIGITAL PANEL

### COLOUR VIDEO

7299 VDS CITY DIGITAL VIDEO PANEL S7

7297 MDS CITY DIGITAL VIDEO PANEL S7



VIDEO

AUDIO

ref.7310

Panel S7: 130x341  
Flush box S7: 115x328x45

### ACCESSORIES

7310 DIRECTORY PANEL S7

8857 FLUSH BOX S7

7067 SURFACE BOX S7

8829 JOINING BOLTS SET

# FERMAX MARINE PANEL

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

## FEATURES

- The vandal-proof **CALL BUTTONS** are made of stainless steel and are able to resist high impacts.
- The panel is attached to the flush box by means of vandal-proof **SAFETY SCREWS** made of stainless steel, which can only be removed using the key supplied.
- The **FLUSH-MOUNTED BOX** is galvanised metal and is attached to the wall by means of self-expanding screws and plugs, to avoid warping.
- The cardholders, the camera window and the directory of names are all made of 6 mm-thick polycarbonate, resistant to impacts and high temperatures.
- The SMD (Surface Mounting Device) **AMPLIFIER**, which has been subjected to a process of tropicalisation, is designed to withstand the most adverse weather conditions.

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

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

Incorporates a 3.6 mm. wide angle lens.

## STANDARD PANEL

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

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

The panels are pre-built stock items with just the engraving process required. Back-boxes are stock items and available immediately for first fix installation. The part number is created using the same matrix as our bespoke panels; the two letter labels are for standardised dimensions. Prices on application.

Once engraving is confirmed delivery is within 14 working days.



Marine audio panel with OneToOne



Marine video panel with proximity reader



Marine video panel with 1 pushbutton



Marine video panel with keypad and 1 pushbutton

### PANEL TYPE

**AA**

140x240



1-9 PUSH.

**AB**

140x300



10-16 PUSH.

**AC**

140x380



17-24 PUSH.

**AD**

200x460



AUDIO



VIDEO



1-9 PUSH.



10-16 PUSH.



17-24 PUSH.



15-34 PUSH.

# MARINE PANEL

## DIGITAL PANELS

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

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



### VDS

5468 VDS DIGITAL VIDEO PANEL ST3

5465 VDS DIGITAL AUDIO PANEL ST3

### MDS

5470 MDS DIGITAL VIDEO PANEL ST3

5467 MDS DIGITAL AUDIO PANEL ST3



ref.5468 / ref.5469 /  
ref.5470

ref.5465 / ref.5466 /  
ref.5467

## DIGITAL PANEL ACCESSORIES

5471 DIRECTORY MARINE PANEL ST3

4643 MARINE FLUSH BOX ST3

130x340x55.

4703 MARINE HOOD ST3

4647 MARINE SURFACE BOX ST3

154x364x55. With hood.

2289 JOINING BOLTS SET



ref.5471

ST3: 150x360.





# LOCK RELEASE

FLUSH-MOUNTED  
SURFACE  
SPECIAL

**FERMAX**

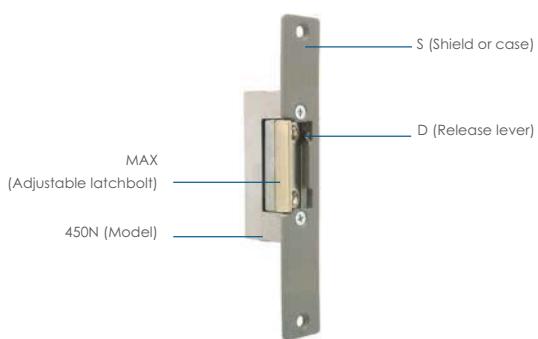
LOCK RELEASE

## ELECTRICAL LOCK RELEASE

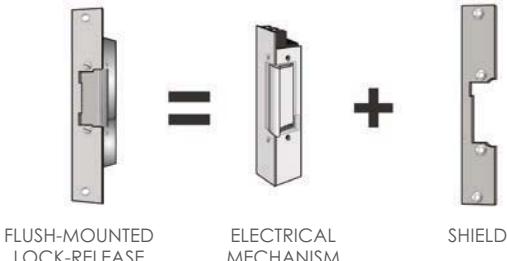
An electrical lock-release basically consists of an electrical mechanism and a shield or case, depending on the installation system (flush-mounted or surface).

### ref.30598 ELECTRICAL LOCK-RELEASE

450	ND-412	S	MAX
Model	Functioning	Shield or case	Adjustable latchbolt

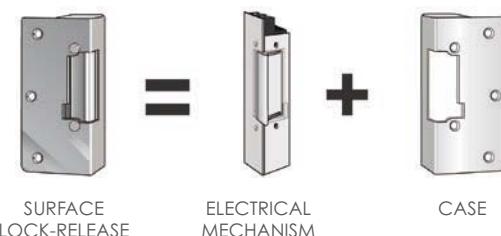


### FLUSH-MOUNTED LOCK-RELEASE



FLUSH-MOUNTED LOCK-RELEASE      ELECTRICAL MECHANISM      SHIELD

### SURFACE LOCK-RELEASE



SURFACE LOCK-RELEASE      ELECTRICAL MECHANISM      CASE

## TYPES OF FUNCTIONING

### NORMAL – N FUNCTIONING

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

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

### AUTOMATIC – A, Aa (invisible) FUNCTIONING

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

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

### INVERTED – N-500 FUNCTIONING

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

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

### ADDITIONAL FUNCTIONS

#### Release lever – D

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

- ND Normal deblocking and activation
- AD Automatic deblocking action

#### Microcommutator - CTC.

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

#### MAX series with adjustable latchbolt

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

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

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

# ELECTRICAL LOCK RELEASE

FLUSH-MOUNTED

## 1. FLUSH-MOUNTED LOCK RELEASE

### 450 SERIES

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

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

#### Mechanisms

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

### UNIVERSAL SERIES

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

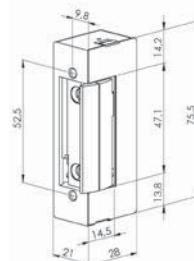
2911	UNIVERSAL LOCK RELEASE N-S	12 Vac
2909	UNIVERSAL LOCK RELEASE A-S	12 Vac
2912	UNIVERSAL LOCK RELEASE ND-S	12 Vac
2910	UNIVERSAL LOCK RELEASE AD-S	12 Vac
2958	UNIVERSAL LOCK RELEASE N-412-S	12 Vdc
3038	UNIVERSAL LOCK RELEASE A-412-S	12 Vdc
3093	UNIVERSAL LOCK RELEASE AD-412-S	12 Vdc
2967	UNIVERSAL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

#### Mechanisms

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



450ND-S MAX

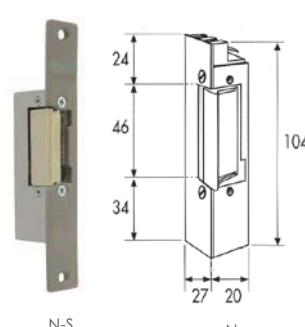


450ND-MAX

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



N-G



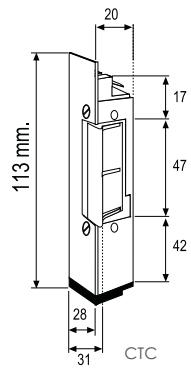
N-S

N

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



N CTC



CTC

## 410 SERIES

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

3040 LOCK RELEASE 410N-P22 MAX

3048 LOCK RELEASE 410A-P22 MAX

2889 LOCK RELEASE 410N-412-P22 MAX

2890 LOCK RELEASE 410A-412-P22 MAX



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

## 2. SURFACE LOCK RELEASE

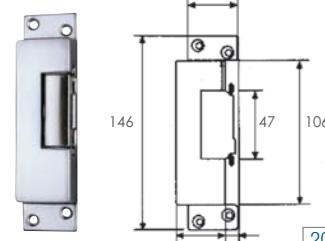
### 2000 SERIES

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

2923 LOCK RELEASE N-2001-CHROME

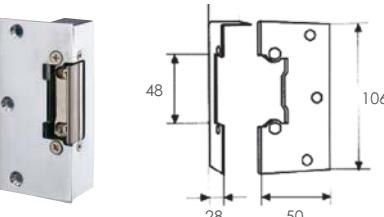
2940 LOCK RELEASE ELECTRICAL  
N-2003-ANODIZED ALUMINIUM

### 2001 SERIES



2000 Series consumption		
N	12Vac	980mA

### 2003 SERIES



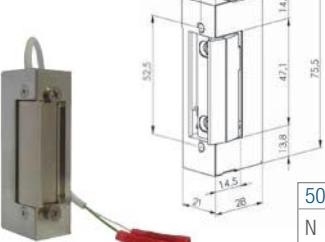
### 6000 SERIES



6000 Series consumption		
N,A	12Vac	980mA

6000A DIN left

### 500 SERIES



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

### 930 SERIES



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

## 3. SPECIAL LOCK RELEASE

### REINFORCED 500 SERIES (800KG)

Allows MAX version.

2829 MECHANISM 500N

2827 MECHANISM 500N-412

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

### ELECTROLOCK

Electric lock for more security. Automatic functioning.

3007 ELECTROLOCK 931 DOUBLE KEY

2991 ELECTROLOCK 932 WITH KEY+PUSHBUTTON

2878 ELECTROLOCK 961 DOUBLE KEY

2879 ELECTROLOCK 962 WITH KEY+PUSHBUTTON

# ELECTRICAL LOCK RELEASE

SPECIALS / ACCESSORIES

## C GLASS / CII GLASS SERIES

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

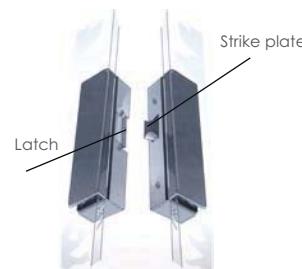
**2997 GLASS CND CHROMED LOCK RELEASE**

**2998 GLASS CAD CHROMED LOCK RELEASE**

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

**3095 GLASS CIIN-SX LOCK RELEASE**

**3098 GLASS CIIN-512-SX LOCK RELEASE**



C Series consumption		
N,A	12Vac	980mA



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

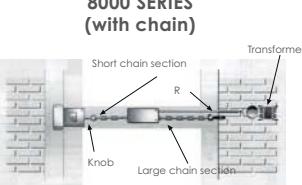
## 8000 SERIES/ P SERIES (ANTI-PANIC)

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

**2984 LOCK RELEASE 8000N WITH CHAIN**

**3064 LOCK RELEASE PN**

**3065 LOCK RELEASE PN-412**



8000 Series consumption		
N	12Vac	980mA



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

## AUTOMATIC ELECTROLOCK

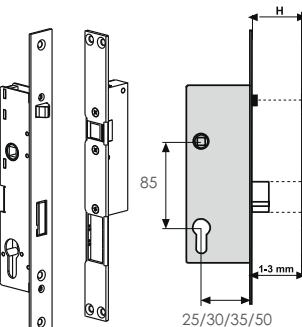
850 Series. It automatically closes the lock bolt without having to use the key and allows remote opening from the dwelling.

**3101 AUTOMATIC ELECTROLOCK 850/50 A**

For wood and iron doors.

**3102 AUTOMATIC ELECTROLOCK 850/25 A**

For aluminium doors.



850 Series consumption		
12Vdc	1.350mA	
12Vac	990mA	



ELECTROMAGNETIC Series consumption		
12Vdc	500mA	
24Vdc	250mA	

## 4. ACCESSORIES

### FLUSH-MOUNTED & SURFACE LOCK (Shields & Cases)

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

### FOR ALL TYPE OF LOCK RELEASES

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



# MONITORS & TELEPHONES

ILOFT MONITOR  
LOFT MONITOR  
LOFT COMPACT MONITOR  
ILOFT TELEPHONE  
LOFT TELEPHONE

**FERMAX**

## iLOFT

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

Flush-mounted or surface installation.

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

## PERFORMANCE

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



POLYCARBONATE SHEET



MULTI-FUNCTION PUSHBUTTONS



AUDIO OUTPUT



3.5" TFT SCREEN DISPLAY WITH OSD MENU (VDS)



## REFERENCES

Surface option.

**5614** VDS iLOFT SURFACE MONITOR

Flush-mounted option.

**5620** VDS iLOFT MONITOR

**5630** iLOFT FLUSH BOX. 108x158x45



## FUNCTIONS

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

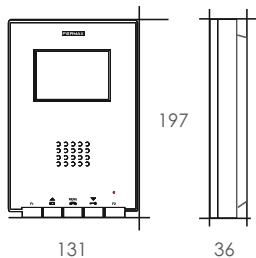
## PROGRAMMATION

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

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

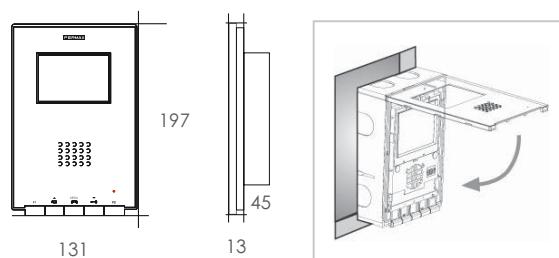
## DIMENSIONS / INSTALLATION

### Surface



36 mm protusion from the wall once fixed.

### Flush-mounted



13 mm protusion from the wall once fixed.

## ACCESSORIES



Ref.5631

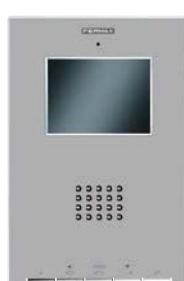
## DECORATIVE FRAME

Ref.5631 Decorative frame made of beveled crystal.

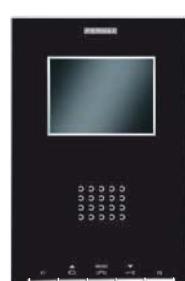
Dimensions: 189x256x6. Only for flush-mounted monitor.

## COVERS

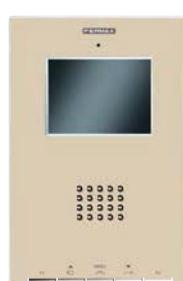
Frontal colour covers.



Ref.5633 Silver



Ref.5634 Black



Ref.5635 Gold

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

## LOFT

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

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

## PERFORMANCE

When a call is received, the image appears automatically on screen. When the handset is picked-up a conversation with the visitor can take place. Push the corresponding button **1-0** to open the door. The image disappears after a few seconds, or when the handset is hanged.



## REFERENCES

3305 VDS COLOUR LOFT MONITOR

3314 VDS LOFT CONNECTOR

3325 VDS LOFT DESKTOP SUPPORT

3384 DECORATIVE FRAME W/C 250X240

3441 LOFT HANDSET W/INDUCTION LOOP

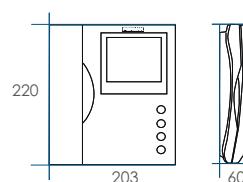
Adapted for people with auditive disability.



## FUNCTIONS

- COLOUR TFT screen.
- **1-0** Call to guard and door opener button.
- **Autostart** of main camera.
- **F1-F2:** Button to activate additional functions: stair light switching, 2nd door opening, panic call, etc.
- Door bell, for direct connection to house call pushbutton (VDS & BUS2 version).
- Selectable call tones.
- Call volume control: high, medium or disconnected.
- Brightness, contrast and colour control.

## DIMENSIONS / INSTALLATION



Monitor: 203x220x60.  
Surface installation.



ref.3325  
(monitor not included)



ref.3384  
(monitor not included)

# LOFT COMPACT

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

## PERFORMANCE

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

Press  to open the door.

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



## REFERENCES

Surface option:

**3753** VDS COLOUR SURFACE  
LOFT COMPACT MONITOR

**3391** VDS LOFT COMPACT CONNECTOR

Flush option:

**3758** VDS FLUSH-MOUNTED CONNECTOR

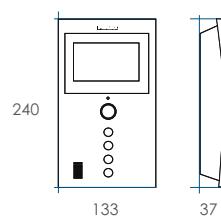
**3746** FLUSH BOX

**3744** DECORATIVE FRAME

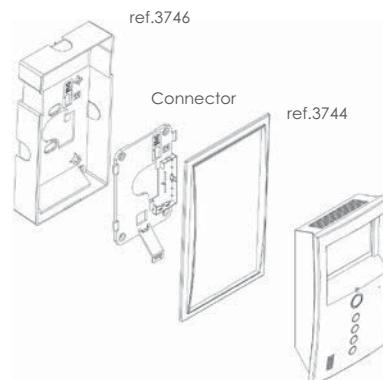
## FUNCTIONS

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

## DIMENSIONS / INSTALLATION



Colour monitor:  
133x240x37.  
Surface installation.



## iLOFT TELEPHONE

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

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

Surface installation.

### PERFORMANCE

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



### REFERENCES

5601 VDS iLOFT TELEPHONE



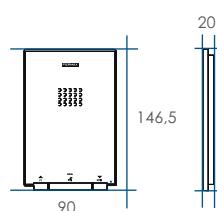
### FUNCTIONS

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

### DIMENSIONS / INSTALLATION

Telephone: 90x146,5x20.

Surface installation.



# LOFT TELEPHONE

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

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



## PERFORMANCE

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

Push the corresponding button **■0** to open the door.

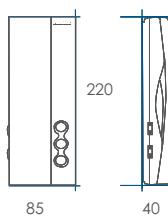


## FUNCTIONS

The EXTRA version includes the following features:

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

## DIMENSIONS



Telephone: 85x220x40.



ref.3380  
(telephone not included)

## REFERENCES

3390 VDS LOFT BASIC TELEPHONE

3391 VDS LOFT EXTRA TELEPHONE

3749 DESKTOP SUPPORT

3380 DECORATIVE FRAME 200x240

3441 LOFT HANDSET W/INDUCTION LOOP

Adapted for people with auditive disability.



# SYSTEMS

VDS

MDS

**FERMAX**

SYSTEMS

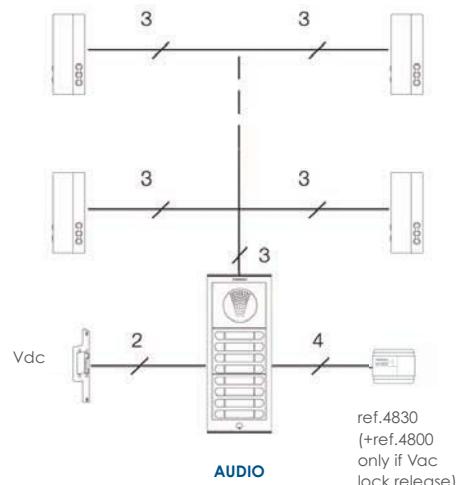
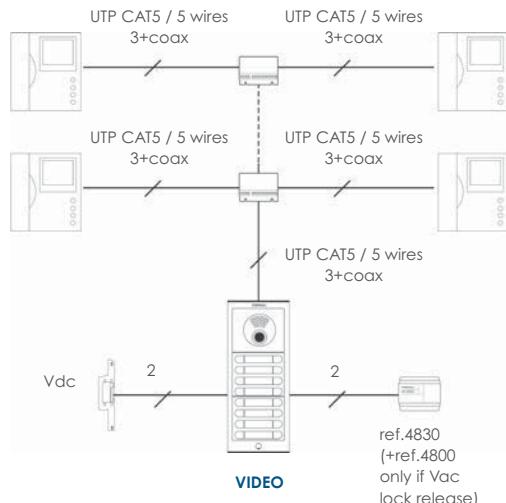
**VIDEO: 5 WIRES / UTP CAT5 / 3 WIRES+COAX**

## AUDIO: 3 WIRES

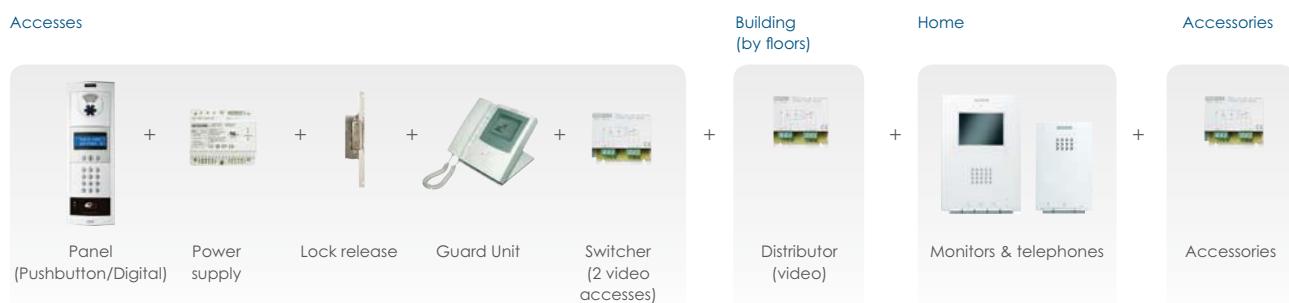
## FEATURES

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

## BASIC INSTALLATION



A VDS system basically consists of the following elements:



# SMALL & MEDIUM PROJECTS

VDS SYSTEM

## 1. OUTDOOR PANEL

### PUSHBUTTONS

#### MARINE

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



MARINE



SKYLINE



ref.2441



ref.2008

**SKYLINE** (See next page).

### DIGITAL PANEL

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

**SKYLINE** (See next page).

#### CITYLINE

7299 VDS DIGITAL VIDEO PANEL S7

7303 VDS AUDIO VIDEO PANEL S7

7310 DIRECTORY PANEL S7

8857 FLUSH BOX S7



ref.7299

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

#### MARINE

Supplied complete with flush-mounted box.

5468 DIGITAL VDS VIDEO PANEL ST3

5465 DIGITAL VDS AUDIO PANEL ST3

5471 DIRECTORY MARINE PANEL ST3



ref.5468



ref.5465



ref.5471

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

4643 MARINE FLUSH BOX ST3

4647 MARINE SURFACE BOX ST3

2289 JOINING BOLTS SET

## SKYLINE PANEL

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

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



### VIDEO & AUDIO MODULES



Video W  
ref.7421



Audio W  
ref.7415



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



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



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



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



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



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



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



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

### SKYLINE FRAMES

### VDS DOUBLE PUSHBUTTONS



8 Push. 204 W  
ref.7371



4 Push. 202 V  
ref.7372



2 Push. 201 V  
ref.7376

### VDS SINGLE PUSHBUTTONS



4 Push. 104 W  
ref.7367



2 Push. 102 V  
ref.7368



1 Push. 101 V  
ref.7375

### VDS DIGITAL MODULES



Direct keypad W  
ref.7439



Display W  
ref.7449



Digital keypad W  
ref.7447

### INFORMATIVE MODULES



Residential  
Baleares Av.  
40  
Push 1 2 3 4 5 6



Cardholder W  
ref.7445



Cardholder V  
ref.7444



OneToOne V  
ref.7448

### ACCESSORIES



Metallic  
complement W  
ref.7443



Metallic  
complement V  
ref.7442

### ACCESS CONTROL MODULES



Fingerprint W  
ref.6989



Keypad W  
ref.7438



Proximity V  
ref.7440



Bluetooth V  
ref.7441

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

ref.8851. Flush box S1. 115x114x45

ref.8856. Flush box S6. 115x280x45

ref.8852. Flush box S2. 115x138x45

ref.8857. Flush box S7. 115x328x45

ref.8854. Flush box S4. 115x185x45

ref.8858. Flush box S8. 115x375x45

ref.8855. Flush box S5. 115x233x45

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

If the configuration calls for more than one panel,

a **connection cable** between them is needed

(1 cable for each additional panel).

ref.2541 Cable 6 W.

ref.2542 Cable 5 W.

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

# SMALL & MEDIUM PROJECTS

VDS SYSTEM

## 2. POWER SUPPLY/SWITCHER

### 4830 POWER SUPPLY 18Vdc/3,5A

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



ref.4830

ref.4812

### 4812 POWER SUPPLY 18Vdc/1,5A

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

### 4800 POWER SUPPLY 12Vac/1,5A

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



ref.4800

ref.2450

### 2450 VDS VIDEO SWITCHER

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

### 2002 VDS AUTOMATIC PULL-UP

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

## COMBINATION WITH OTHER SYSTEMS

### 2409 VDS/MDS DECODER

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

	VDS Audio I.B.	VDS Video I.B.
<b>MDS Audio G.E.</b>	2409 VDS decoder	2409 VDS decoder
<b>MDS Video G.E.</b>	2409 VDS decoder 2448 Video distributor	2409 VDS decoder 2448 Video distributor 2450 Switcher

## 3. MONITORS & TELEPHONES

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

### LOFT

#### 3305 VDS LOFT MONITOR



ref.3305



ref.3384  
250x240

#### 3299 VDS LOFT MEMORY MONITOR



ref.3325

#### 3314 VDS LOFT CONNECTOR

#### 3325 VDS LOFT DESKTOP CONNECTOR

#### 3384 VDS LOFT CONNECTOR WITH DECORATIVE FRAME

#### 3441 LOFT HANDSET WITH INDUCTION LOOP



**LOFT COMPACT (HANDS-FREE)**

Surface option:

3753 VDS LOFT COMPACT MONITOR

3742 VDS LOFT COMPACT CONNECTOR

Flush-mounted option:

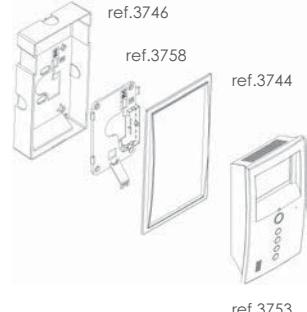
3758 VDS FLUSH-MOUNTED CONNECTOR

3746 FLUSH BOX

3744 DECORATIVE FRAME



ref.3753



Flush-mounted option

**iLOFT (HANDS-FREE)**

Surface option:

5614 VDS SURFACE iLOFT MONITOR

Flush-mounted option:

5620 VDS iLOFT MONITOR

5630 iLOFT FLUSH-MOUNTED BOX 108x158x45

5631 CRYSTAL DECORATIVE FRAME 189x256x6

5633 SILVER COVER



5634 BLACK COVER



5635 GOLD COVER



ref.5614



ref.5620 + ref.5631

**VIDEO DISTRIBUTORS**

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

2448 2-WAYS VIDEO DISTRIBUTOR

2449 4-WAYS VIDEO DISTRIBUTOR



ref.2448



ref.5601

**iLOFT TELEPHONE (HANDS-FREE)**

5601 VDS iLOFT TELEPHONE



ref.3390



ref.3391



ref.3391+ref.3380

**4. VDS ACCESSORIES****ADDITIONAL FUNCTIONS**

2013 ADDITIONAL FUNCTION RELAY. 2A

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



ref.2013

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

# SMALL & MEDIUM PROJECTS

VDS SYSTEM

## 29001 TIMMER

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



ref.29001

## VIDEO ACCESSORIES

### 4110 VIDEO AMPLIFIER

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

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



ref.4110

### 2450 VDS VIDEO SELECTOR/SWITCHER

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



ref.2450

### 2472 8-CAMERAS SELECTOR

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

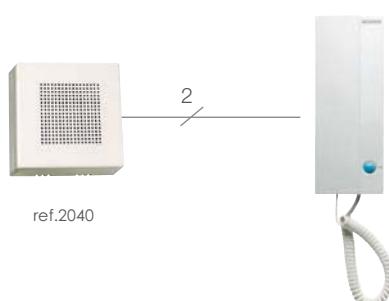


ref.2472

## CALL ACCESSORIES

### 2040 ELECTRONIC CALL EXTENSION BELL

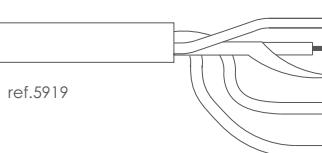
Equipment that receives the door entry system call tone, allowing to hear it in any place where the call extender is located. It is possible to connect 1 for each monitor or handset.



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.

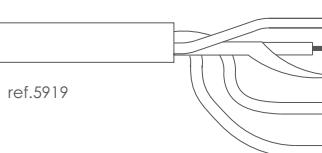


ref.2438

## CABLES

### 5919 VIDEO BUS CABLE (1MTR)

3 wires of 1mm<sup>2</sup> + 1 coaxial of 75 Ohms. This cable is supplied in 100 metre rolls. Orders must be multiplied of 100.



ref.5919

### 59195 VIDEO BUS CABLE (1MTR)

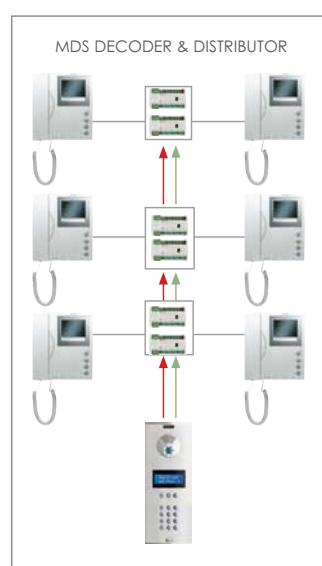
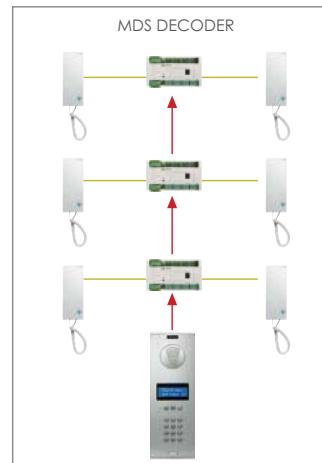
3 wires of 1mm<sup>2</sup> + 1 coaxial of 75 Ohms. This cable is supplied in 500 metre rolls. Orders must be multiplied of 500.

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

**AUDIO: 4 COMMON WIRES + 1 SHIELDED TWISTED PAIR**

## FEATURES

- MDS (Multiplexed Digital System) is a digital audio and video door-entry system that integrates all the services of the apartment block or housing complex:
- Allows to manage buildings and condominiums of whatever size.
- **AUDIO AND VIDEO DOOR ENTRY SYSTEM.**
- **INTERCOMMUNICATION** between accesses, homes, guard units and lifts.
- **ACCESS MANAGEMENT AND CONTROL** according to authorisations to restricted areas. Each user has an identification code for all accesses.
- **SECURITY** centralised in the guard unit, for protection of common areas and control of incidents in the homes.
- **AUTOMATION** of functions and services of the apartment block or condominium (sprinklers, lights, swimming-pool, etc).
- MDS is a system with **simplified BUS installation** ①.
- The **Central Unit** ② incorporates all the electronics for management and control of the system.
- The floor **MDS decoders and MDS distributors** ③ connect the homes to the installation BUS and act as isolators.
- Home to outdoor panel communication is **private**.



More information about diagrams at  
[www.fermax.com](http://www.fermax.com)

## MDS SYSTEM OPTIONS

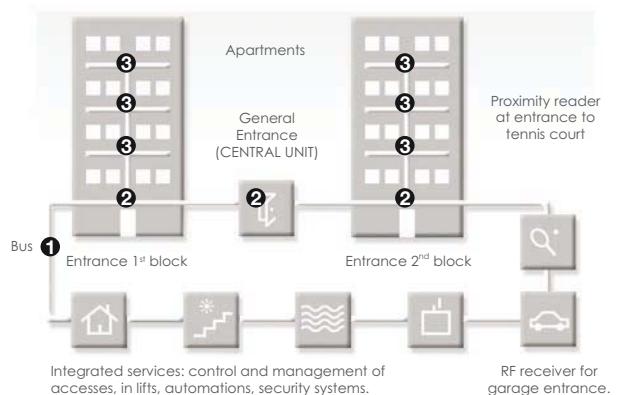
### • MDS DIGITAL:

Requires a Central Unit.

C. U. Capacity: 9.999 homes, 32 accesses/guard units. Up to 63 Central Units can be connected. Incorporates all the MDS services.

### • MDS COMBINED WITH OTHER SYSTEMS:

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



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

# LARGE INSTALLATIONS

MDS SYSTEM

## MDS DIGITAL

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

Accesses/General entrances and blocks



### 1. OUTDOOR PANEL

Panel with [keypad + electronic directory](#).

A Central Unit is required.

#### SKYLINE

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

#### FRAMES

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



#### AMPLIFIER AND COLOUR CAMERA

7406	ANALOGUE VIDEO MODULE W
7400	ANALOGUE AUDIO MODULE W



#### DISPLAY / KEYPAD

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



#### INFORMATIVE MODULES

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



#### ACCESS CONTROL MODULES

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



## CITYLINE

7297 MDS DIGITAL VIDEO PANEL S7

7301 MDS DIGITAL AUDIO PANEL S7

7310 DIRECTORY PANEL S7

8857 FLUSH BOX S7

7067 SURFACE BOX S7

8257 DECORATIVE FRAME S7

8829 JOINING BOLTS SET



ref.7297



ref.7301



ref.7310

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

## MARINE

The panel is supplied with the corresponding flush box.

5470 MDS DIGITAL VIDEO PANEL ST3

5467 MDS DIGITAL AUDIO PANEL ST3

5471 DIRECTORY PANEL ST3

4643 MARINE FLUSH BOX ST3

4647 MARINE SURFACE BOX ST3

2289 JOINING BOLTS SET



ref.5470



ref.5467



ref.5471

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

## 2. GUARD UNIT

2537 MDS DIGITAL GUARD UNIT

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

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



ref.2537

# LARGE INSTALLATION

MDS SYSTEM

## 3. CENTRAL UNIT

Essential in installations with MDS digital panels.

### 2405 MDS 1 ACCESS CENTRAL UNIT

Manages up to 9.999 apartments and 1.020 access control users.

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



ref.2405

### 2379 2-ACCESSES SWITCHER

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

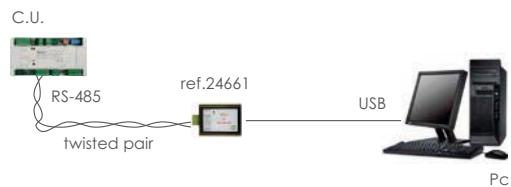


ref.2379

## PC CONNECTION ACCESSORIES

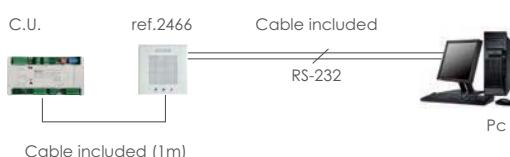
### 24661 USB TO RS-485 PC ADAPTOR

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



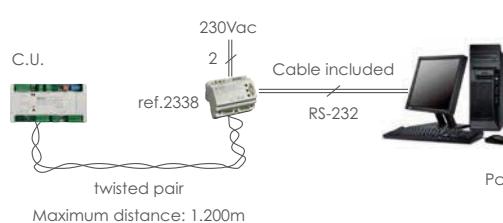
### 2466 DECODER PROGRAMMING MODULE. ADAPTOR RS-232 TO RS-485

Enables Central Unit programming by PC (serial port).



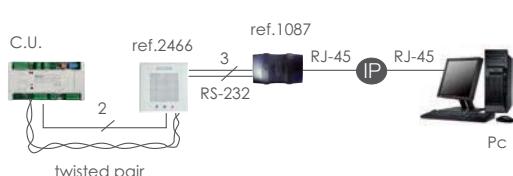
### 2338 RS-232 TO RS-485 PC ADAPTOR

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



### 1087 IP REMOTE MANAGEMENT MODULE

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



## 4. POWER SUPPLIES

### GENERAL POWER SUPPLY

#### 4813 AUDIO POWER SUPPLY. 12Vdc/2A

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



ref.4813

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

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



ref.4830

#### 4812 VIDEO POWER SUPPLY. 18Vdc/2A

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



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.

#### 2060 EMERGENCY BATTERY ADAPTOR. 12Vdc

#### 1021 EMERGENCY BATTERY ADAPTOR. 18Vdc

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



ref.2060

## 5. 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.



ref.2426

#### 2436 4-PANEL DECODER

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

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

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



ref.2466

# LARGE INSTALLATION

MDS SYSTEM

## 24661 ADAPTOR USB to RS-485

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

## VIDEO DISTRIBUTOR

### 2418 4-WAYS VIDEO DISTRIBUTOR

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



ref.2418

### 2419 8-WAYS VIDEO DISTRIBUTOR

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

## 6. COMBINATION WITH OTHER SYSTEMS

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

### 2409 VDS/MDS DECODER

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

	VDS Audio I.B.	VDS Video I.B.
<b>MDS Audio G.E.</b>	2409 VDS decoder	2409 VDS decoder
<b>MDS Video G.E.</b>	2409 VDS decoder 2448 Video distributor	2409 VDS decoder 2448 Video distributor 2450 Switcher

## 7. MDS REPEATER / VIDEO AMPLIFIER

### 2339 MDS REPEATER

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

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



ref.2339

### 4110 VIDEO AMPLIFIER

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

### 1345 FIBER OPTICS CONVERTER

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

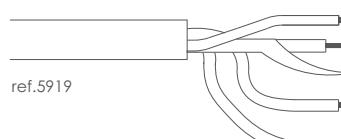
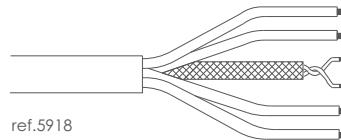
	Transmitter (Tx)	Receiver (Rx)
<b>Panel BUS</b>	MDS Digital Panel	Central Unit
<b>Decoder BUS</b>	Central Unit MDS Direct or City Panel	Decoder (home, VDS interior block or chalet)
<b>Central Net (FXL)</b>	General Entrance Central Unit	Interior block Central Unit
<b>CAC Access Control</b>	Reader	CAC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

## 8. CABLES

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

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

4 wires 1mm<sup>2</sup>+1 twisted pair shielded of 2 x 0,5 mm<sup>2</sup>.

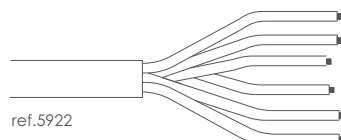


### 5919 VIDEO BUS CABLE (1m)

3 wires of 1mm<sup>2</sup>+1 coaxial of 75 Ohms.

### 5922 DECODER-TEL. CONNECTION CABLE (1m)

6 wires of 0,5mm<sup>2</sup>.



## 9. MONITORS & TELEPHONES

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

### LOFT

#### 3307 LOFT MONITOR

#### 3315 LOFT CONNECTOR



#### 3441 LOFT HANDSET W/INDUCTION LOOP



ref.3307

### LOFT COMPACT (HANDS-FREE)

#### 3737 LOFT COMPACT MONITOR

#### 3738 LOFT COMPACT CONNECTOR

Flush-mounted option:

#### 3759 FLUSH-MOUNTED CONNECTOR

#### 3746 LOFT COMPACT FLUSH BOX

#### 3744 DECORATIVE FRAME



ref.3737

# LARGE INSTALLATION

MDS SYSTEM

## iLOFT (HANDS-FREE)

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



ref.5611



ref.5631

## iLOFT TELEPHONE (HANDS-FREE)

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



ref.5601

## LOFT TELEPHONE

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



ref.3393



ref.3394

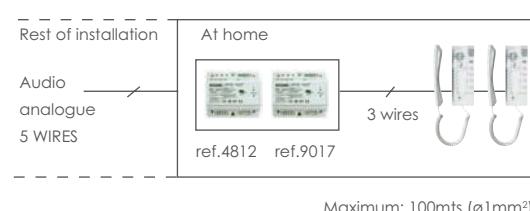


ref.3394+ref.3380

## INTERCOMMUNICATION. PALACE BUS

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

8084	PALACE CITYMAX TELEPHONE	
9017	MULTIWAY SWITCHER	



## FEATURES

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

## IN MEDIUM SIZE BLOCKS INSTALLATIONS

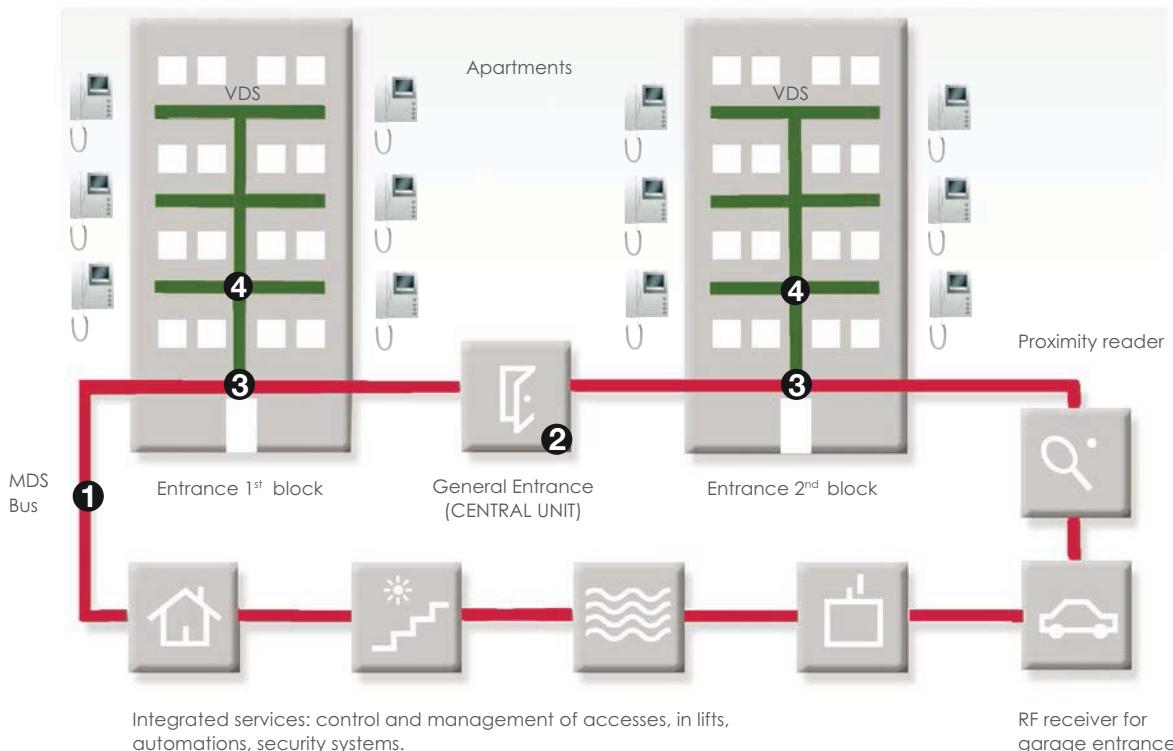
One MDS/VDS Decoder is required **③** per block.

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

VDS telephones & monitors are required.

## INSTALLATION

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



# MDS/VDS SYSTEM

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

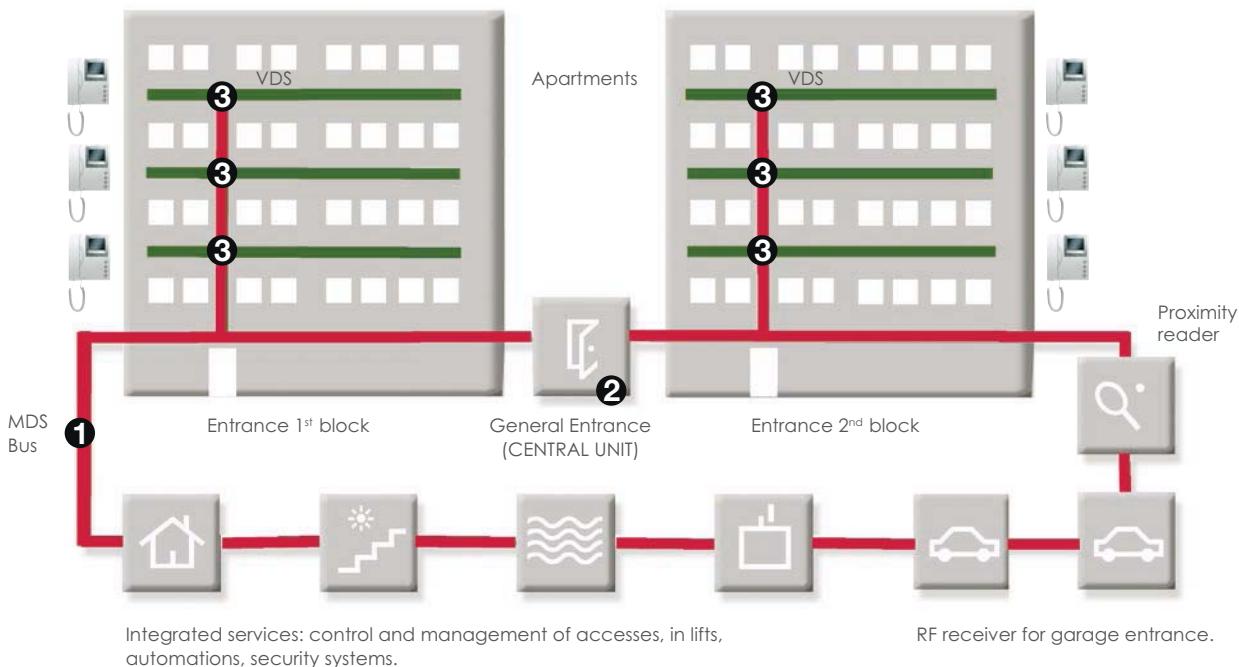


## IN BIG SIZE BLOCKS INSTALLATIONS

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

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

VDS telephones & monitors are required.



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





# ACCESS CONTROL

STAND-ALONE  
CENTRALIZED

**FERMAX**

## STAND-ALONE ACCESS CONTROL

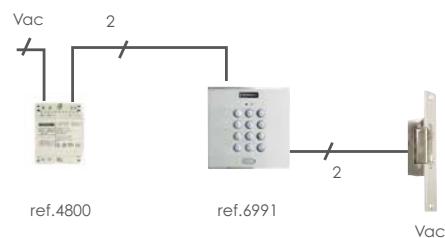
Stand alone systems allow to control a door or access.

Recommended for offices, businesses, garages, etc.

SKYLINE readers can be integrated in audio or video door entry panels to enable access to the building for residents.

### 1. MEMOKEY (KEYPAD)

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



#### 3610 CITY CLASSIC MEMOKEY READER

#### 6991 CITYLINE MEMOKEY READER

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



ref.3610



ref.6991

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

#### 7438 SKYLINE MEMOKEY MODULE W

Accessory for SKYLINE panels.

#### 4699 MARINE MEMOKEY READER

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



ref.4699



ref.4540

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

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

# ACCESS CONTROL

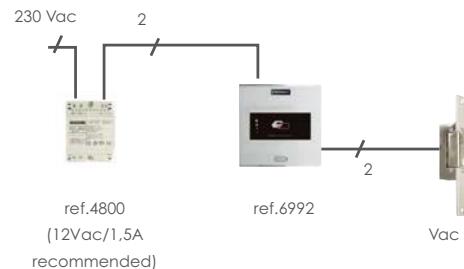
## 2. PROXIMITY (PRIVATE)

- Up to 400 users. Power supply 12 Vac/12 Vdc. Power supply 12Vac/1,5A (ref.4800) recommended.
- Input for exit button.
- Input for door sensor.
- Relay output for activation of lock-release.

Programmable time.

- Confirmation, by means of LED and sound, of acceptance or refusal of the card presented.
- Programming-assistance LEDs (activation/deactivation cards).
- Programming users by means of a master card or by PC.

Free Winprox software at [www.fermaxuk.com](http://www.fermaxuk.com) (downloads section).



### 6992 CITYLINE PROXIMITY READER

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



ref.6992 ref.7440

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

### 7440 SKYLINE PROXIMITY MODULE V

Accessory for SKYLINE and CITYLINE panels.



ref.5472 ref.4530

Marine reader dimensions: (ST1) 150x180  
Marine flush box dimensions: (S1) 130X160X55  
Loft reader dimensions: 60x130

### 4530 LOFT PRIVATE READER

Indoor. Surface installation. Includes cable 50cm.



ref.23361 ref.44501  
Customizable

### IDENTIFIERS

#### 23361 PROXIMITY CARD W/O STRIP

#### 44501 PROXIMITY KEYRING

### ACCESSORIES

#### 2306 PRIVATE PROGRAMMING KEYPAD

#### 3625 LOFT PC PROGRAMMING KIT

#### 4475 ENERGY DISCONNECTOR



ref.2306 ref.4475

## 3. FINGERPRINT WITH PROXIMITY

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

### 6959 CITYLINE FINGERPRINT READER

Outdoor/Indoor. Flush box included (ref.8948).

Optional surface box (ref.7061).



ref.6959



ref.6989

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



ref.6996



ref.5474

Cityline Reader  
dimensions: (S5) 130x246

Marine Reader  
dimensions: (ST1) 150x180

Flush box  
dimensions: (S5) 130x233x55

Flush box  
dimensions: (ST1) 130x160x55

### 6996 CITYLINE KEYPAD/FINGERP. READER S5

Flush box included (ref.8855).

### 6989 SKYLINE FINGERPRINT READER W

### 5474 MARINE FINGERPRINT READER



IR remote control  
(Included)

## 4. BLUETOOTH

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

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

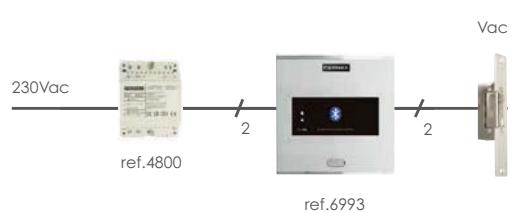
The system has 2 operating modes:

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

### 6993 CITYLINE BLUETOOTH READER

Outdoor/Indoor. Flush box included (ref.8948).

Optional surface box (ref.7061).



ref.6993

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

### 4479 MINI BLUETOOTH READER

Compact-sized module.

# ACCESS CONTROL

## 7441 SKYLINE BLUETOOTH MODULE V

Accessory for SKYLINE and CITYLINE panels.



ref.7441



ref.5473

## 5473 MARINE BLUETOOTH READER

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

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

## 5. RADIO FREQUENCY (433Mhz)

### SHOP SYSTEM

#### 79561 TRINARY TRANSMITTER 433Mhz

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



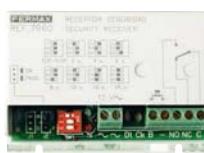
ref.79561

### SECURITY SYSTEM

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

#### 7960 SECURITY RF RECEIVER

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



ref.7960



ref.24651

#### 24651 DIGITAL RF REMOTE CONTROL

With 1 unique code by transmitter.

### COLLECTIVE GARAGES SYSTEM

#### 7952 SINGLE CHANNEL RECEIVER 433Mhz

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



ref.7952



ref.79561

#### 79561 TRINARY TRANSMITTER 433Mhz

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

## CENTRALISED ACCESS CONTROL

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

### CENTRALISATION

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

#### 4410 CENTRALISED AC CENTRAL UNIT

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

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

Includes 2 software PC for programming and system management:

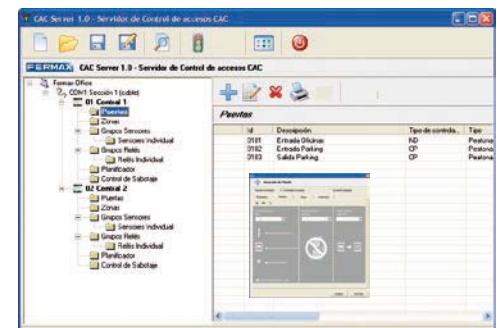
- **Centralised AC Server.** To configure the hardware (central unit, readers, decoders, etc).
- **Centralised AC Access.** To manage the users and the restrictions.



ref.4410



AC Access software



AC Server software

# ACCESS CONTROL

## 4813 POWER SUPPLY 12VDC/2A. DIN6

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



ref.4813

## 2060 BATTERY ADAPTOR 12VDC

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

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

## 2339 MDS REPEATER

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

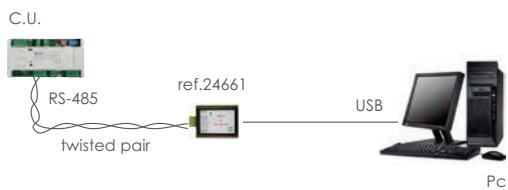


ref.2339

## PC CONNECTION ACCESSORIES

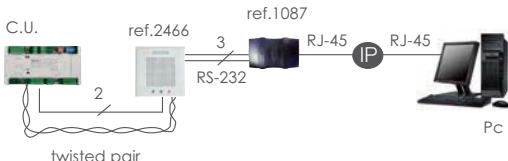
## 24661 ADAPTOR PC USB to RS-485

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



## 1087 IP REMOTE MANAGEMENT MODULE

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



## FIBER OPTIC ACCESSORIES

## 1345 FIBER OPTICS CONVERTER

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

## READERS WITH INTEGRATED CONTROLLER

### 6992 CITY PROXIMITY READER



ref.6992

Flush box S1 (ref.8948) included.

Dimensions: 115x114x45.

### 7440 SKYLINE PROXIMITY READER V



ref.7440

### 7453 SKYLINE CENTRALISED AC KEYPAD W



ref.7453

### 5472 MARINE PROXIMITY READER



ref.5472

### 4696 MARINE CENTRALISED AC KEYPAD



ref.4696

### 1065 RF DIGITAL RECEIVER



ref.1065

### 24651 RF DIGITAL EMITTER



ref.24651

## ACCESSORIES

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

### 2013 RELAY 2A



ref.2013

### 2430 8-RELAYS DECODER

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

### 2429 8-SENSORS DECODER

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



ref.2430



ref.2429

# ACCESS CONTROL

## READERS WITHOUT INTEGRATED CONTROLLER (EXTERNAL)

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

### 4420 DOOR CONTROLLER

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



ref.4420



ref.6992



ref.6995



ref.6993

### 6992 CITY PROXIMITY READER

### 6995 CITY PROXIMITY/KEYPAD READER

### 6993 CITY BLUETOOTH READER



ref.6959



ref.6996

### 6959 CITY FINGERPRINT READER

### 6996 CITY KEYPAD / FINGERPRINT READER



ref.7440 / ref.7441



ref.6989

### 7440 SKYLINE PROXIMITY READER V

### 7441 SKYLINE BLUETOOTH READER V

### 6989 SKYLINE FINGERPRINT READER W

### 5472 MARINE PROXIMITY READER

### 5474 MARINE FINGERPRINT READER

### 5473 MARINE BLUETOOTH READER



ref.5472



ref.5474

### 4560 LOFT PROXIMITY READER

### 4550 LOFT PROXIMITY/KEYPAD READER

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

(ST1) 150x180  
(S1) 130X160X55 (ref.4641)  
60x130



ref.4560/ref.4550  
Surface

## IDENTIFIERS

### 23361 PROXIMITY CARD WITH STRIP

### 44501 PROXIMITY KEYRING



ref.23361  
Customizable



ref.44501

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

FERMAX

# TECHNICAL INFO

PROJECTS  
DIAGRAMS

**FERMAX**

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	
<b>2</b>	S4	3V	7333	8854				1	1					1		2	2
<b>4</b>	S4	3V	7333	8854				1		1				1	1	4	4
<b>6</b>	S5	4V	7334	8855				1	1	1				1	2	6	6
<b>8</b>	S5	4V	7334	8855				1			1			1	2	8	8
<b>10</b>	S6	5V	7335	8856				1	1		1			1	3	10	10
<b>12</b>	S6	5V	7335	8856				1		1	1			1	3	12	12
<b>14</b>	S7	6V	7336	8857				1	1	1	1			1	4	14	14
<b>16</b>	S7	6V	7336	8857				1			2			1	4	16	16
<b>18</b>	S8	7V	7337	8858				1	1		2			1	5	18	18
<b>20</b>	S8	7V	7337	8858				1		1	2			1	5	20	20
<b>22</b>	S9	8V	7338	8982				1	1	1	2			1	6	22	22
<b>24</b>	S9	8V	7338	8982				1			3			1	6	24	24
<b>24</b>	S5	4V	7334 <sup>X2</sup>	8855 <sup>X2</sup>	1	1	1				3			1	6	24	24
<b>26</b>	S6	5V	7335 <sup>X2</sup>	8856 <sup>X2</sup>	1	1	1	1	2	2	1			1	7	26	26
<b>28</b>	S6	5V	7335 <sup>X2</sup>	8856 <sup>X2</sup>	1	1	1		1	3	1			1	7	28	28
<b>30</b>	S6	5V	7335 <sup>X2</sup>	8856 <sup>X2</sup>	1	1	1	1	1	1	3			1	8	30	30
<b>32</b>	S6	5V	7335 <sup>X2</sup>	8856 <sup>X2</sup>	1	1	1		2	3				1	8	32	32
<b>32</b>	S7	6V	7336 <sup>X2</sup>	8857 <sup>X2</sup>	1	1	1			4		1	1	1	8	32	32
<b>34</b>	S7	6V	7336 <sup>X2</sup>	8857 <sup>X2</sup>	1	1	1	1		4	1			1	9	34	34
<b>36</b>	S7	6V	7336 <sup>X2</sup>	8857 <sup>X2</sup>	1	1	1		1	4	1			1	9	36	36
<b>38</b>	S7	6V	7336 <sup>X2</sup>	8857 <sup>X2</sup>	1	1	1	1	1	1	4			1	10	38	38
<b>40</b>	S7	6V	7336 <sup>X2</sup>	8857 <sup>X2</sup>	1	1	1			5				1	10	40	40
For 24-40 apartments a digital panel is recommended.																	
<b>41</b>	S7	6V	7336					1		1		1		2	11	41	41
<b>42</b>	S7	6V	7336					1		1		1		2	11	42	42
<b>43</b>	S7	6V	7336					1		1		1		2	11	43	43
<b>44</b>	S7	6V	7336					1		1		1		2	11	44	44
<b>45</b>	S7	6V	7336					1		1		1		2	12	45	45
<b>46</b>	S7	6V	7336					1		1		1		2	12	46	46
<b>47</b>	S7	6V	7336					1		1		1		2	12	47	47
<b>48</b>	S7	6V	7336					1		1		1		2	12	48	48
<b>49</b>	S7	6V	7336					1		1		1		2	13	49	49
<b>50</b>	S7	6V	7336					1		1		1		2	13	50	50
<b>60</b>	S7	6V	7336					1		1		1		2	15	60	60
<b>80</b>	S7	6V	7336					1		1		1		2	20	80	80
<b>100</b>	S7	6V	7336					1		1		1		3	25	100	100

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

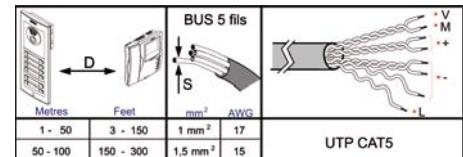
# VDS AUDIO (SKYLINE)

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
<b>2</b>	S4	3V	7333	8854			1	1					1	2	
<b>4</b>	S4	3V	7333	8854			1		1				1	4	
<b>6</b>	S5	4V	7334	8855			1	1	1				1	6	
<b>8</b>	S5	4V	7334	8855			1			1			1	8	
<b>10</b>	S6	5V	7335	8856			1	1		1			1	10	
<b>12</b>	S6	5V	7335	8856			1		1	1			1	12	
<b>14</b>	S7	6V	7336	8857			1	1	1	1			1	14	
<b>16</b>	S7	6V	7336	8857			1			2			1	16	
<b>18</b>	S8	7V	7337	8858			1	1		2			1	18	
<b>20</b>	S8	7V	7337	8858			1		1	2			1	20	
<b>22</b>	S9	8V	7338	8982			1	1	1	2			1	22	
<b>24</b>	S9	8V	7338	8982			1			3			1	24	
<b>24</b>	S5	4V	7334 <sup>x2</sup>	8855 <sup>x2</sup>	1	1	1			3			1	24	
<b>26</b>	S6	5V	7335 <sup>x2</sup>	8856 <sup>x2</sup>	1	1	1	1	1	2	2	1		1	26
<b>28</b>	S6	5V	7335 <sup>x2</sup>	8856 <sup>x2</sup>	1	1	1		1	3	1		1	28	
<b>30</b>	S6	5V	7335 <sup>x2</sup>	8856 <sup>x2</sup>	1	1	1	1	1	1	3			1	30
<b>32</b>	S6	5V	7335 <sup>x2</sup>	8856 <sup>x2</sup>	1	1	1		2	3			1	32	
<b>32</b>	S7	6V	7336 <sup>x2</sup>	8857 <sup>x2</sup>	1	1	1			4			1	32	
<b>34</b>	S7	6V	7336 <sup>x2</sup>	8857 <sup>x2</sup>	1	1	1	1	1	4	1		1	34	
<b>36</b>	S7	6V	7336 <sup>x2</sup>	8857 <sup>x2</sup>	1	1	1		1	4	1		1	36	
<b>38</b>	S7	6V	7336 <sup>x2</sup>	8857 <sup>x2</sup>	1	1	1	1	1	4			1	38	
<b>40</b>	S7	6V	7336 <sup>x2</sup>	8857 <sup>x2</sup>	1	1	1			5			1	40	

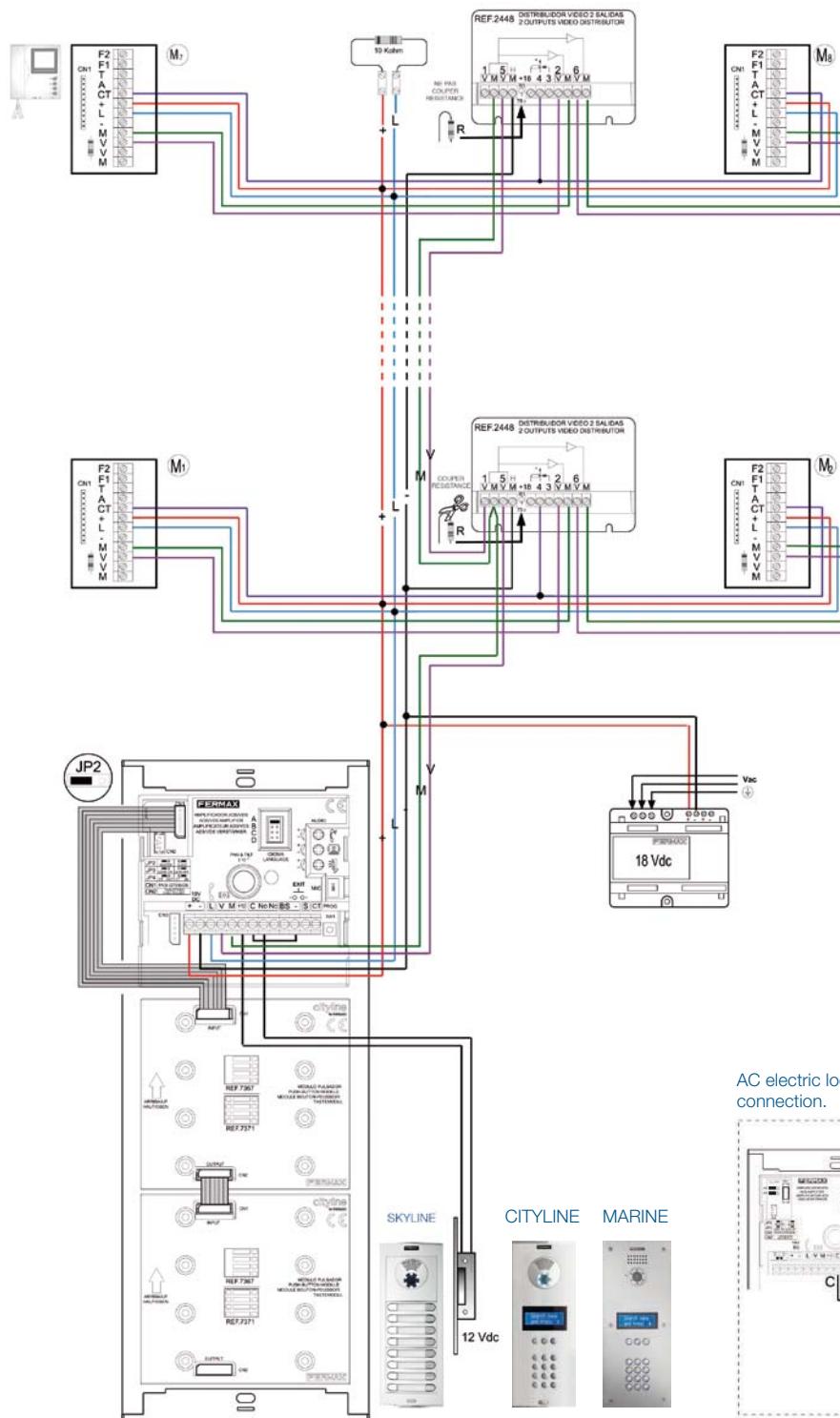
If an AC electric lock is used, an additional power supply (ref.4800 12Vac/1,5A) or an AC electric lock commander (ref.3264) are required. X2 = Order 2 units of the indicated reference.

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

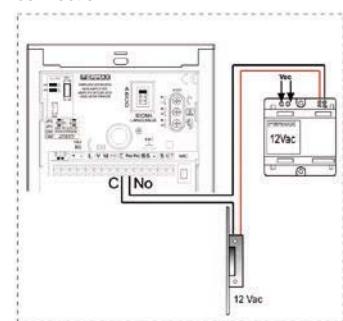
- (P<sub>1</sub>) SKYLINE/CITYLINE or MARINE panel.
- (F<sub>1</sub>) Lock release 12Vdc (ref.3070).
- (A<sub>1</sub>) Power supply 18Vdc (ref.4830).
- (D<sub>1</sub>) 2-ways video distributor (ref.2448).
- (M<sub>1</sub>) B/W Loft monitor (ref.3311) or Colour (ref.3305) + VDS connector (ref.3314).



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



AC electric lock commander (ref.3264) connection.

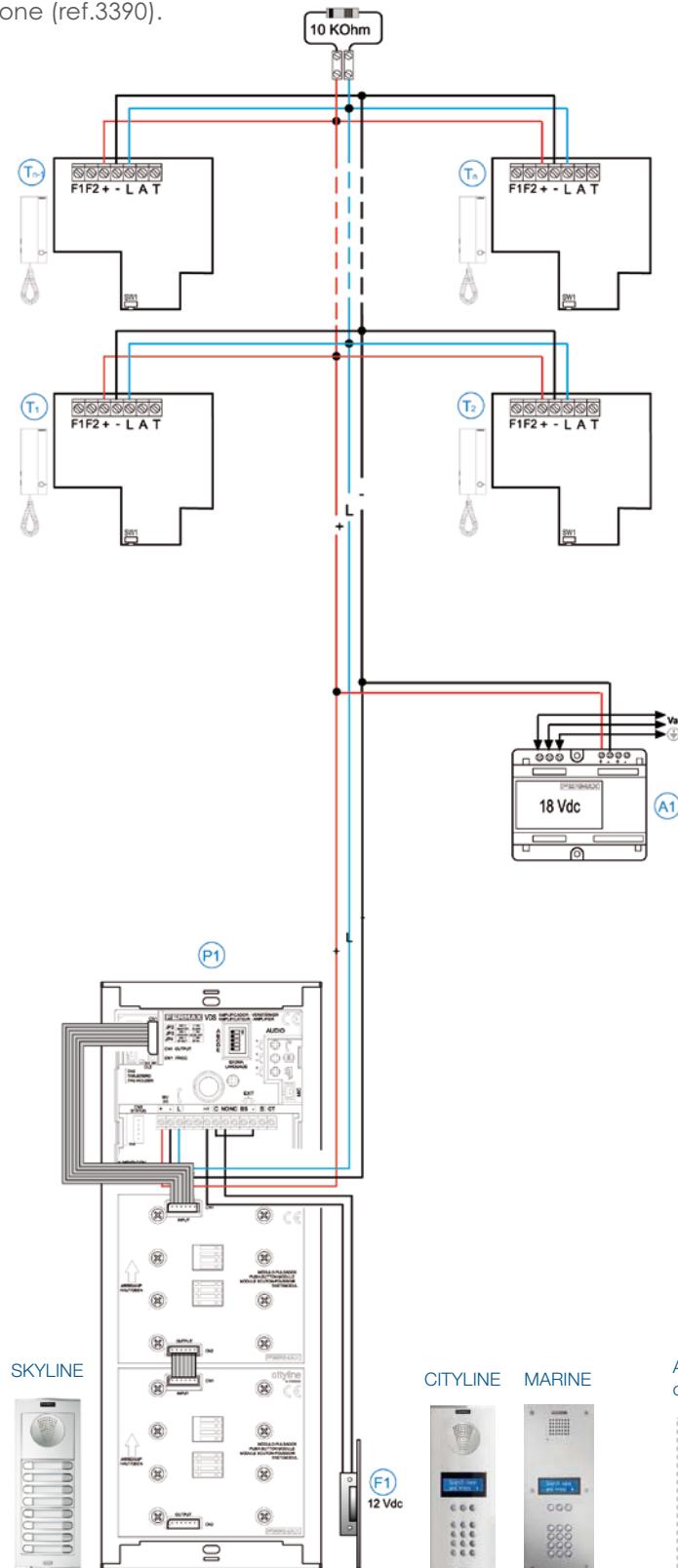


# DIAGRAMS: VDS AUDIO

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

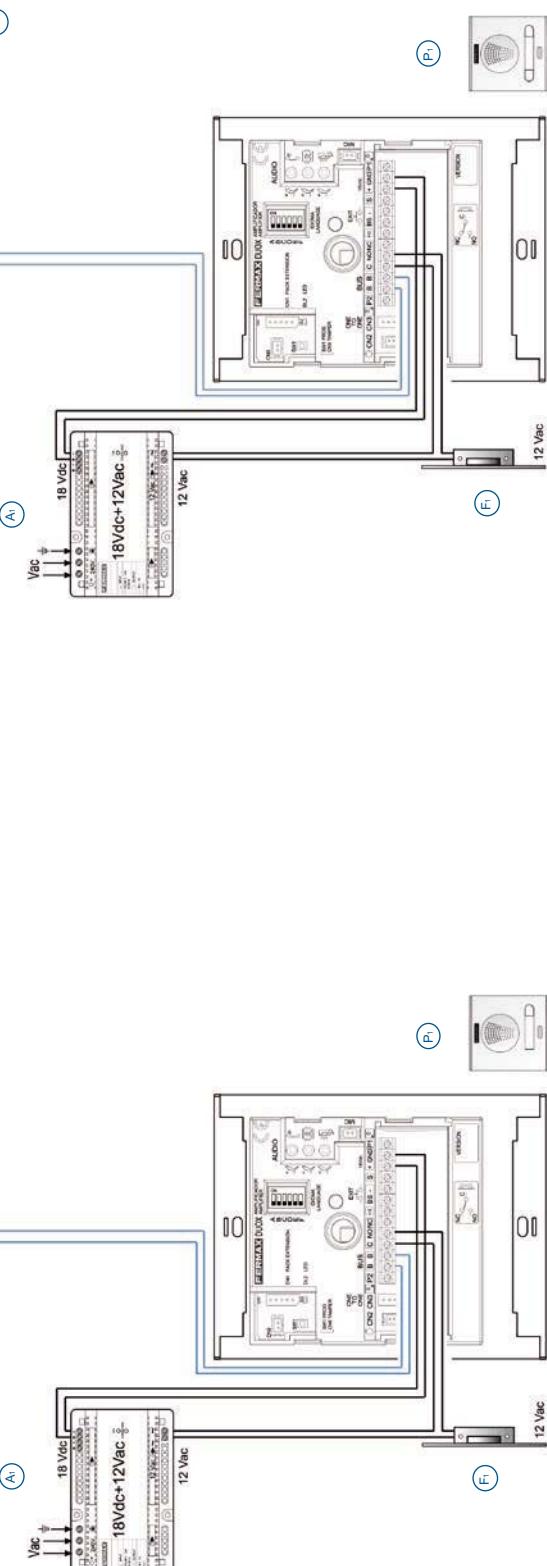
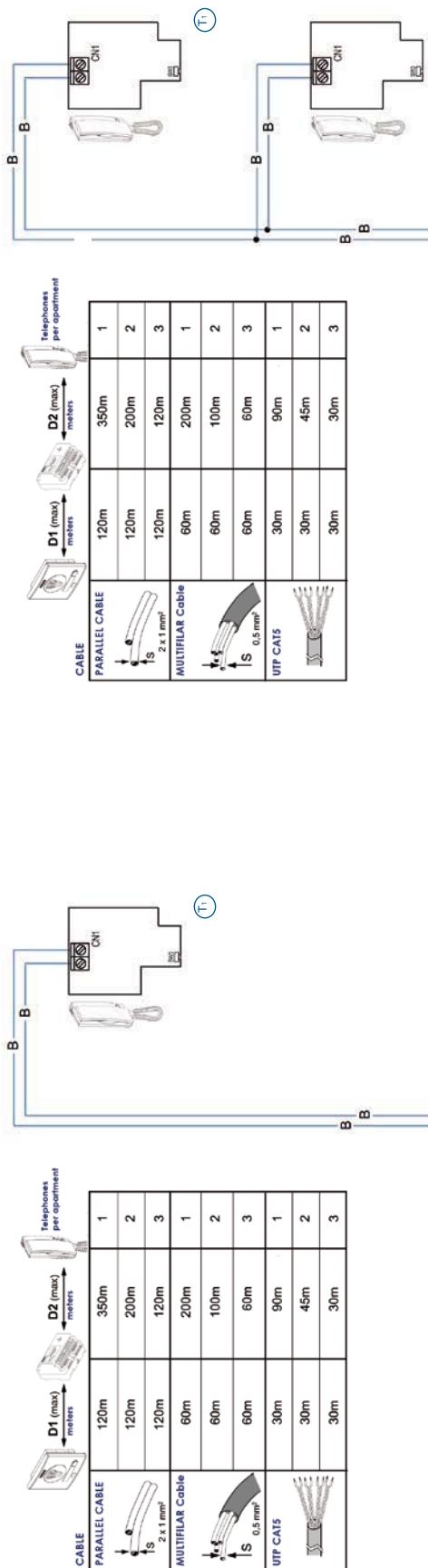
- (P1) Skilyne, Cityline or Marine panel.
- (F1) 12Vdc door lock (ref.3070).
- (A1) 18Vdc power supply (ref.4830).
- (T1, T2) Loft Basic telephone (ref.3390).

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



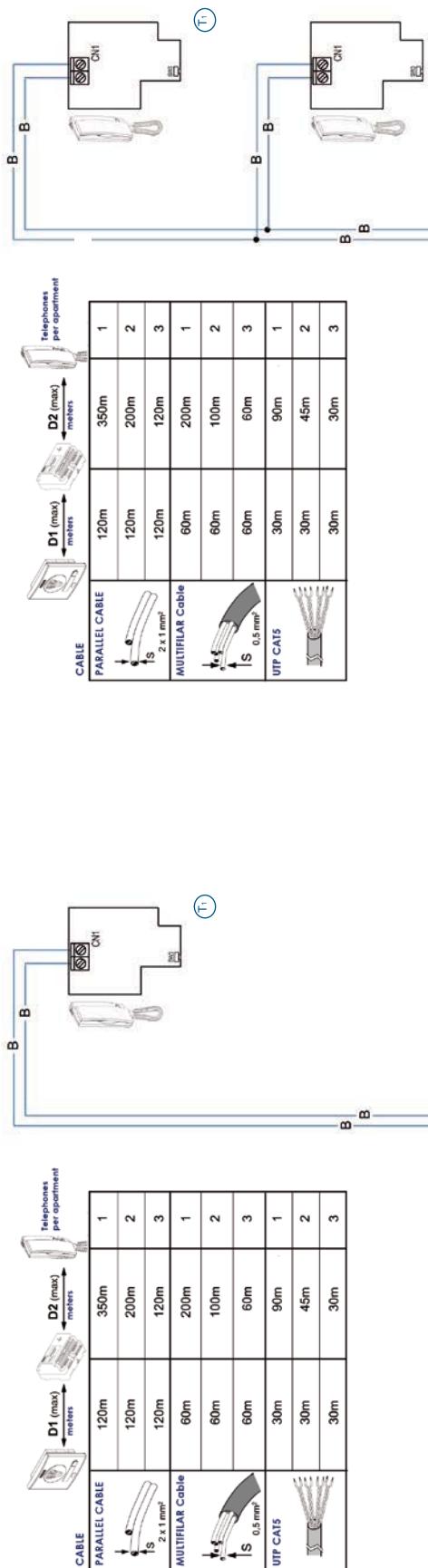
## 1/W AUDIO DUOX INSTALLATION

- (P) DUOX CITYLINE kit audio panel.
- (F) Electrical lock release. 12Vac (ref.3071).
- (A) Power supply. 18Vdc + 12Vac (ref.4810).
- (T<sub>1</sub>) DUOX Citymax telephone (ref.3420).



## 2/W AUDIO DUOX INSTALLATION

- (P) DUOX CITYLINE kit audio panel.
- (F) Electrical lock release. 12Vac (ref.3071).
- (A) Power supply. 18Vdc + 12Vac (ref.4810).
- (T<sub>1</sub>, T<sub>2</sub>) DUOX Citymax telephone (ref.3420).

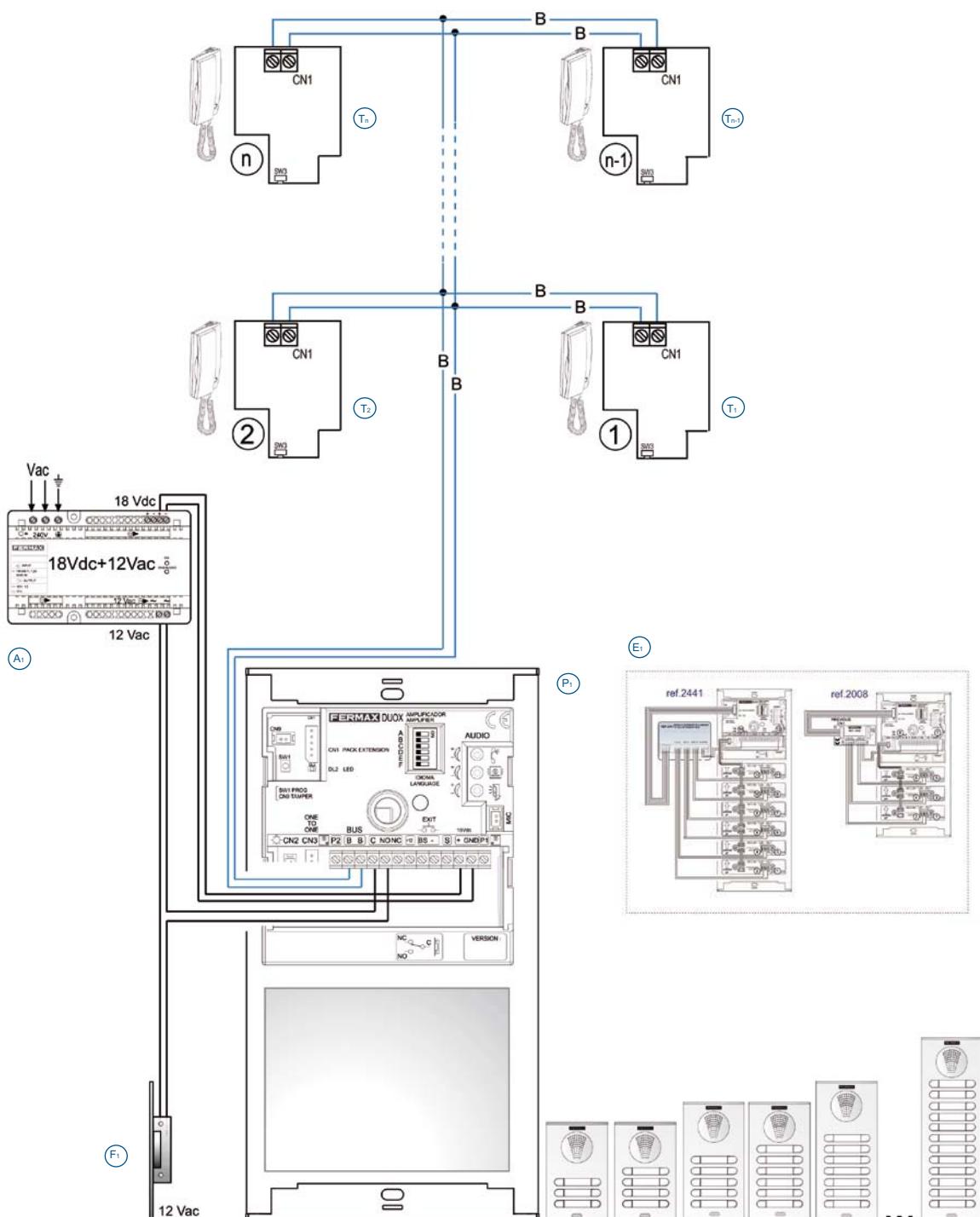


# DIAGRAMS: DUOX AUDIO KITS

## 6-24 APARTMENTS DUOX AUDIO KIT INSTALLATION

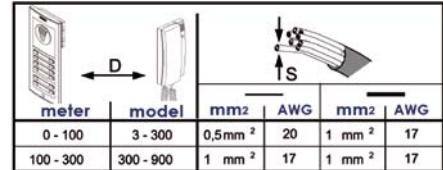
- (P<sub>1</sub>) DUOX CITYLINE audio kit panel.
- (F<sub>1</sub>) Electrical lock release. 12Vac (ref.3071).
- (A<sub>1</sub>) Power supply. 18Vdc +12Vac (ref.4810).
- (T<sub>1</sub>...T<sub>n</sub>) DUOX Citymax telephone (ref.3420).
- (E<sub>1</sub>) Call extension module.

CABLE	D1 (max) meters			D2 (max) meters	telephones per apartment
	PARALLEL Cable	120m	140m		
MULTIFILAR Cable		60m	70m	1	
UTP CAT5		30m	35m	1	

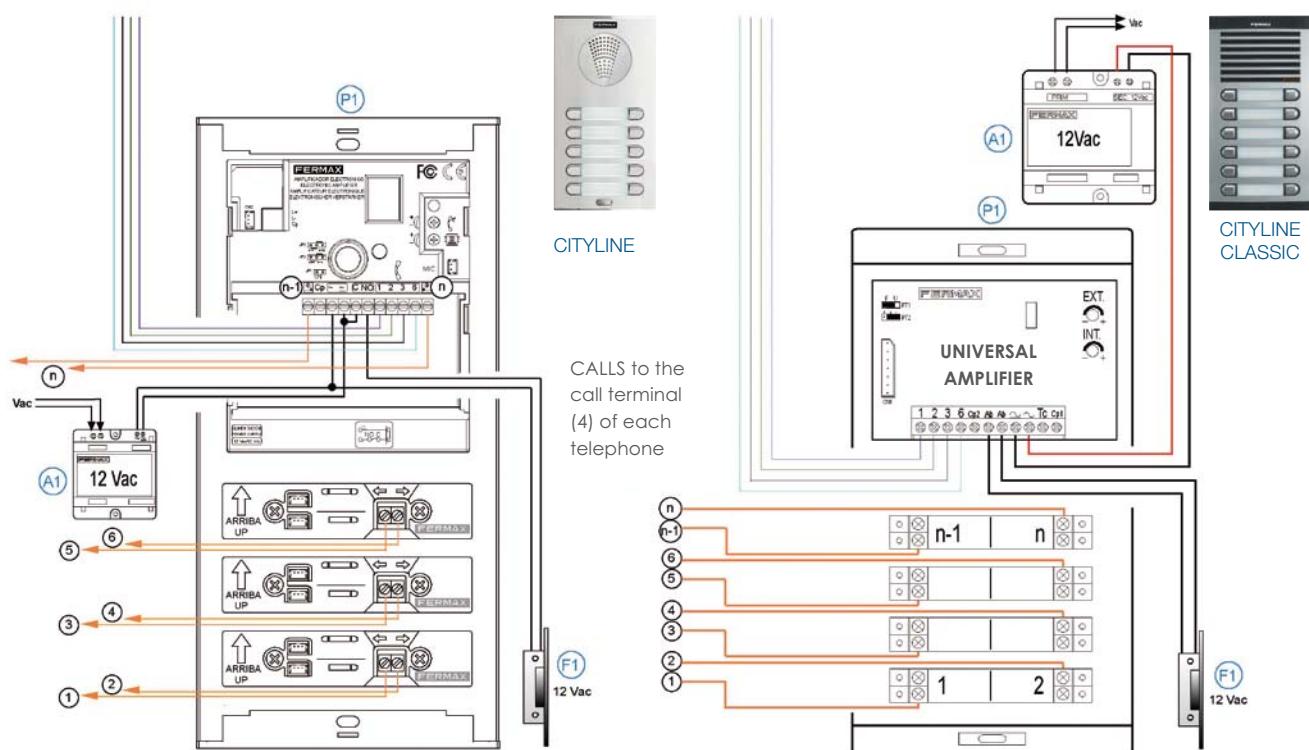
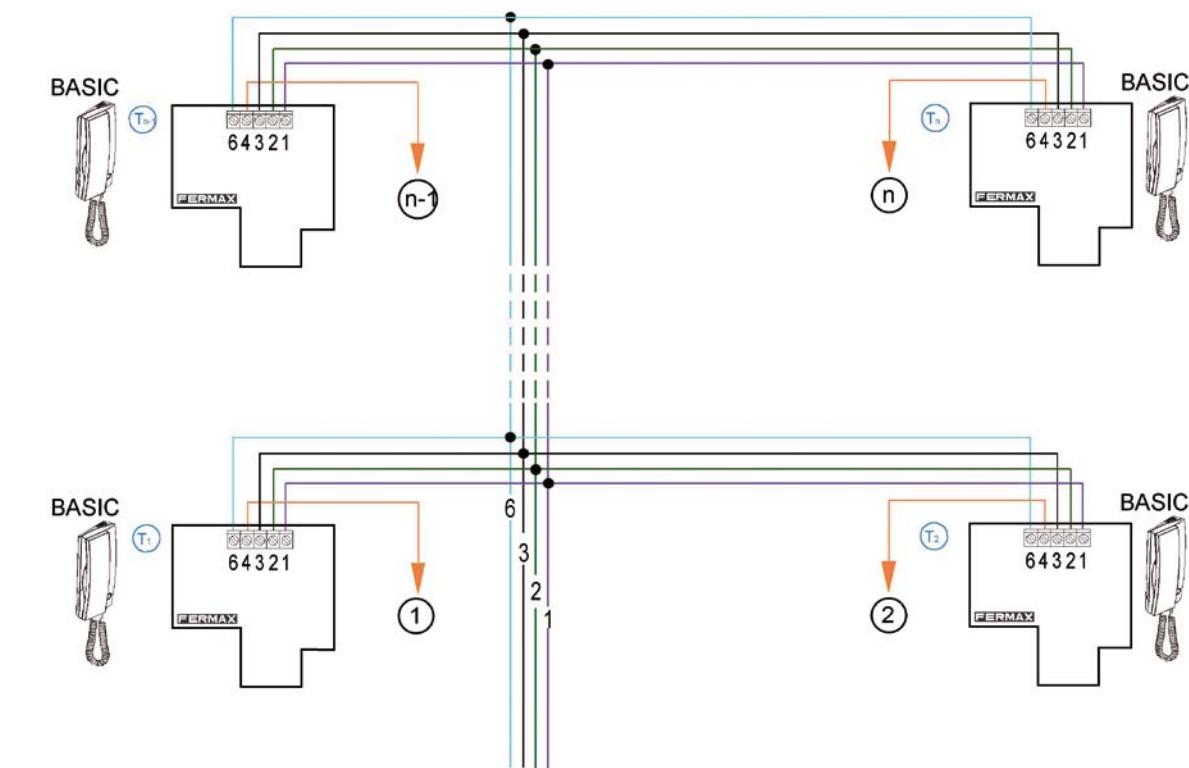


## 1 ACCESS 4+N AUDIO WITH CITYLINE/CITYLINE CLASSIC PANEL

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



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



# INDEX OF REFERENCE

**FERMAX**

REF	DESCRIPTION	FAM.	PAGES
1021	EMERG. BATTERY ADAPTOR. 18Vdc	02	58
1065	RF DIGITAL RECEIVER	03	72
1087	IP REMOTE MANAGEMENT MODULE	02	57,71
1345	FIBER OPTICS CONVERTER	02	59,71
1502	1/W 4+N MINI SURFACE KIT	03	11
1503	2/W 4+N MINI SURFACE KIT	03	11
1700	MECHANISM 450Aa. 12Vac	02	35
1701	MECHANISM 450AaD. 12Vac	02	35
1702	MECHANISM 450ND-412. 12Vdc	02	35
1705	MECHANISM 450Aa-412. 12Vdc	02	35
1706	MECHANISM 450AaD-412. 12Vdc	02	35
1709	UNIVERSAL MECHANISM Aa. 12Vac	02	35
1710	UNIVERSAL MECHANISM AaD. 12Vac	02	35
1714	UNIVERSAL MECH. Aa-412 12Vdc	02	35
1715	UNIVERSAL MECH. AaD-412 12Vdc	02	35
2002	VDS AUTOMATIC PULL-UP	02	51
2008	8-CALLS EXTENSION MODULE	02	49
2013	ADDITIONAL FUNCTION RELAY. 2A	02	52,72
2040	ELECTRONIC CALL EXTENSION BELL	02	53
2060	EMERG. BATTERY ADAPTOR. 12Vdc	02	58,71
2070	BATTERY 12V/2.2a. LED ACID	02	58,71
2289	JOINING BOLTS SET	02	31,49
2306	PRIVATE PROGRAMMING KEYPAD	03	67
2336	PROXIMITY CARD W/MAGNETIC STRIP	03	26
2338	RS-232 TO RS-485 PC ADAPTOR	02	57
2339	MDS REPEATER	02	59,71
2379	2-ACCESSES SWITCHER	02	57
2405	MDS 1 ACCESS CENTRAL UNIT	02	57
2409	VDS/MDS DECODER	02	51,59
2418	4-WAYS MDS VIDEO DISTRIBUTOR	04	59
2419	8-WAYS MDS VIDEO DISTRIBUTOR	04	59
2424	4-WAYS MDS AUDIO DECODER	02	58
2425	8-WAYS MDS AUDIO DECODER	02	58
2426	4-WAYS ISO AUDIO DECODER	02	58
2429	8-SENSORS DECODER	02	72
2430	8-RELAYS DECODER	02	72
2436	4-PANEL DECODER	02	58
2438	VDS LIGHT OR BUZZER ACTIVATOR	02	53
2441	16-CALLS EXTENSION MODULE	02	49
2448	2-WAYS VIDEO DISTRIBUTOR	04	52
2449	4-WAYS VIDEO DISTRIBUTOR	04	52
2450	VDS VIDEO SELECTOR/SWITCHER	04	51,53
2466	DECODER PROGRAMMING MODULE. ADAPTOR RS-232 TO RS-485	02	57,58
2472	8-CAMERAS SELECTOR	04	53
2537	MDS DIGITAL GUARD UNIT	02	56
2540	ANALOG. CONNECTION CABLE (3W)	02	22
2541	VDS CONNECTION CABLE (6W)	02	22
2542	VDS CONNECTION CABLE (5W)	02	22
2543	MDS CONNECTION CABLE (7W)	02	22
2820	LOCK RELEASE 450AD-S. 12 Vac	02	35
2827	MECHANISM 500N-412	02	36
2829	MECHANISM 500N	02	36

REF	DESCRIPTION	FAM.	PAGES
2837	U BRACKET (for ref.3052)	02	37
2868	SHIELD TYPE-MX. INOX STAINLESS STEEL	02	37
2878	ELECTROLOCK 961 DOUBLE KEY	02	36
2879	ELECTROLOCK 962 WITH KEY+PUSHB.	02	36
2889	LOCK RELEASE 410N-412-P22 MAX	02	36
2890	LOCK RELEASE 410A-412-P22 MAX	02	36
2893	SHIELD TYPE-M. GREY	02	37
2908	UNIV. LOCK RELEASE A-424-S. 24Vdc	02	35
2909	UNIVERSAL LOCK RELEASE A-S. 12Vac	02	35
2910	UNIV. LOCK RELEASE AD-S. 12Vac	02	35
2911	UNIVERSAL LOCK RELEASE N-S. 12Vac	02	35
2912	UNIV. LOCK RELEASE ND-S. 12Vac	02	35
2913	2C DOUBLE CONTACT	02	37
2922	3C TRIPLE CONTACT	02	37
2923	LOCK RELEASE N-2001-CHROME	02	36
2940	LOCK RELEASE ELECTRICAL N-2003-ANODIZED ALUMINIUM	02	36
2958	UNIV. LOCK RELEASE N-412-S. 12Vdc	02	35
2967	UNIV. LOCK RELEASE N-512-S. 12Vdc	02	35
2973	SHIELD TYPE-S. GREY	02	37
2975	SHIELD TYPE-G. GREY (36mm)	02	37
2979	CASE TYPE-2001. CHROMED	02	37
2981	TAPE/CASE TYPE-2003. INOX STAINLESS STEEL	02	37
2983	CASE TYPE-2005. CHROMED	02	37
2984	LOCK RELEASE 8000N WITH CHAIN	02	37
2985	SHIELD TYPE-GE. GREY (12mm)	02	37
2991	ELECTROLOCK 932 WITH KEY+PUSHB.	02	36
2997	GLASS CND CHROMED LOCK RE.	02	37
2998	GLASS CAD CHROMED LOCK RE.	02	37
3004	LOCK RELEASE 6000N-GREY	02	36
3005	LOCK RELEASE 6000A-GREY	02	36
3007	ELECTROLOCK 931 DOUBLE KEY	02	36
3016	MECHANISM 450ND. 12 Vac	02	35
3038	UNIV. LOCK RELEASE A-412-S. 12Vdc	02	35
3040	LOCK RELEASE 410N-P22 MAX	02	36
3048	LOCK RELEASE 410A-P22 MAX	02	36
3049	SHIELD TYPE-SX. INOX STAINLESS STEEL	02	37
3050	FLUSH-MOUNTED 300KG	02	37
3052	SURFACE 300KG	02	37
3057	LOCK RELEASE 450A-412-S. 12Vdc	02	35
3060	UNIV. MECHANISM N CTC. 12Vac	02	35
3064	LOCK RELEASE PN	02	37
3065	LOCK RELEASE PN-412	02	37
3069	LOCK RELEASE 450A-S. 12Vac	02	35
3070	LOCK RELEASE 450N-412-S. 12Vdc	02	35
3071	LOCK RELEASE 450N-S. 12Vac	02	35
3078	BRACKET (for ref.3052)	02	37
3079	DOUBLE Z BRACKET	02	37
3083	X1 FLEXIBLE CONDUIT (30cm)	02	37
3084	X2 RIGID VANDAL PROOF CONDUIT (26cm)	02	37
3085	UNIV. MECHANISM N-412 CTC. 12Vdc	02	35
3093	UNIV. LOCK RELEASE AD-412-S. 12Vdc	02	35

# INDEX OF REFERENCES

REF	DESCRIPTION	FAM.	PAGES
3095	GLASS CIIN-SX LOCK RELEASE	02	37
3098	GLASS CIIN-512-SX LOCK RELEASE	02	37
3101	AUTOMATIC ELECTROLOCK 850/50 A	02	37
3102	AUTOMATIC ELECTROLOCK 850/25 A	02	37
3264	AC ELECTRIC LOCK COMMANDER	02	37
3299	VDS COL. LOFT MEMORY MONITOR	04	51
3305	VDS COLOUR LOFT MONITOR	04	42,51
3307	COLOUR LOFT MONITOR	04	60
3314	VDS LOFT CONNECTOR	04	42,51
3315	LOFT CONNECTOR	04	60
3325	VDS LOFT DESKTOP CONNECTOR	04	42,51
3380	DECORATIVE FRAME 200X240	02	45,52,61
3384	VDS LOFT CONNECTOR WITH DECORATIVE FRAME	04	42,51
3390	VDS LOFT BASIC TELEPHONE	02	45,52
3391	VDS LOFT COMPACT CONNECTOR	02	43,45,52
3393	BASIC LOFT TELEPHONE	02	61
3394	EXTRA LOFT TELEPHONE	02	61
3441	LOFT HANDSET WITH INDUCTION LOOP	02	42,45,51 52,60,61
3610	CITY CLASSIC MEMOKEY	03	66
3625	LOFT PC PROGRAMMING KIT	03	67
3737	COLOUR LOFT COMPACT MONITOR	04	60
3738	LOFT COMPACT CONNECTOR	04	60
3742	VDS LOFT COMPACT CONNECTOR	04	52
3744	DECORATIVE FRAME	04	43,52,60
3746	LOFT COMPACT FLUSH BOX	04	43,52,60
3749	DESKTOP SUPPORT	02	45,52
3753	VDS COLOUR SURFACE LOFT COMPACT MONITOR	04	43,52
3758	VDS COLOUR FLUSH-MOUNTED CONNECTOR	04	43,52
3759	FLUSH-MOUNTED CONNECTOR	04	60
4110	VIDEO AMPLIFIER	04	53,59
4303	3/W DUOX CITY AUDIO KIT	03	12
4304	4/W DUOX CITY AUDIO KIT	03	12
4306	6/W DUOX CITY AUDIO KIT	03	12
4308	8/W DUOX CITY AUDIO KIT	03	12
4310	10/W DUOX CITY AUDIO KIT	03	13
4312	12/W DUOX CITY AUDIO KIT	03	13
4314	14/W DUOX CITY AUDIO KIT	03	13
4315	16/W DUOX CITY AUDIO KIT	03	13
4316	18/W DUOX CITY AUDIO KIT	03	13
4317	20/W DUOX CITY AUDIO KIT	03	13
4318	22/W DUOX CITY AUDIO KIT	03	13
4319	24/W DUOX CITY AUDIO KIT	03	13
4410	AC CENTRAL UNIT	03	70
4420	DOOR CONTROLLER	03	73
4475	ENERGY DISCONNECTOR	03	67
4479	MINI BLUETOOTH READER	03	68
4530	LOFT PRIVATE READER	03	67
4540	LOFT MEMOKEY	03	66
4550	LOFT PROXIMITY/KEYPAD READER	03	73
4560	LOFT PROXIMITY READER	03	73
4643	MARINE FLUSH BOX ST3	02	31,49,56

REF	DESCRIPTION	FAM.	PAGES
4647	MARINE SURFACE BOX ST3	02	31,49,56
4696	MARINE AC KEYPAD	02	72
4699	MARINE MEMOKEY	02	66
4703	MARINE HOOD ST3	02	31
4800	POWER SUPPLY. DIN 4. 12Vac/1,5A	02	37,51
4812	POWER SUPPLY 18Vdc/1,5A	02	51,58
4813	POWER SUPPLY. DIN 6. 12Vdc/1,5A	02	37,58,71
4830	POWER SUPPLY 18Vdc/3,5A	02	51,58
4860	1/W 4+N CITY AUDIO KIT	03	10
4862	2/W 4+N CITY AUDIO KIT	03	10
4878	1/W VDS iLOFT AUDIO KIT	03	10
4879	2/W VDS iLOFT AUDIOPART	03	10
4886	1/W VDS PRIVATE AUDIO KIT	03	11
4887	1/W VDS COLOUR PRIVATE VIDEO KIT	03	9
4888	1/W VDS ONE-TO-ONE AUDIO KIT	03	11
4889	1/W VDS COLOUR ONE-TO-ONE VIDEO KIT	03	9
4890	1/W BIOPHONE VDS KIT	03	11
4892	1/W VDS COLOUR BIOVISION KIT	03	9
4920	1/W DUOX CITY AUDIO KIT	03	10,12
4921	2/W DUOX CITY AUDIO KIT	03	10,12
4950	1/W VDS iLOFT VIDEO KIT	03	8
4954	1/W VDS iLOFT SURFACE VIDEO KIT	03	8
4955	1/W VDS COL. MEMORY VIDEO KIT	03	8
4958	1/W VDS COLOUR LOFT COMPACT VIDEO KIT	03	9
4961	1/W VDS COLOUR CITY VIDEO KIT	03	8
4982	1/W VDS MEMOPHONE KIT	03	11
4984	1/W VDS COLOUR MEMOVISION KIT	03	9
5431	1/W VDS MARINE KIT	03	10
5432	1/W VDS COLOUR MARINE KIT	03	9
5465	VDS DIGITAL AUDIO MARINE PANEL	02	31,49
5467	MDS DIGITAL AUDIO MARINE PANEL	02	31,56
5468	VDS COL. DIG. VIDEO MARINE PANEL	02	31,49
5470	MDS COL. DIG. VIDEO MARINE PANEL	02	31,56
5471	ST3 DIRECTORY MARINE PANEL	02	31,49,56
5472	MARINE PROXIMITY READER	02	67,72,73
5473	MARINE BLUETOOTH READER	02	69,73
5474	MARINE FINGERPRINT READER	02	68,73
5601	VDS iLOFT TELEPHONE	02	44,52,61
5611	iLOFT MONITOR	04	61
5614	VDS iLOFT SURFACE MONITOR	04	40,52
5620	VDS iLOFT MONITOR	04	40,52
5630	iLOFT FLUSH BOX. 108x158x45	04	40,52,61
5631	CRYSTAL DECORATIVE FRAME	04	52,61
5633	SILVER iLOFT COVER	04	52,61
5634	BLACK iLOFT COVER	04	52,61
5635	GOLD iLOFT COVER	04	52,61
5918	DECODER-PANEL-FXL CENTRAL UNIT BUS CABLE (1m)	00	60
5919	VIDEO BUS CABLE (1MTR)	00	53,60
5922	DECODER-TELEPHONE CONNECTION CABLE (1m)	00	60
6945	BRAILLE SINGLE PUSHB. LABEL 1-76	02	24
6946	BRAILLE DOUBLE PUSHB. LABEL 1-76	02	24

**FAMILIES:** 00 (CABLE); 01 (INTERCOM); 02 (AUDIO DOOR ENTRY SYSTEM); 03 (KITS-ACCESS CONTROL); 04 (VIDEO DOOR ENTRY SYSTEM).

REF	DESCRIPTION	FAM.	PAGES
6959	CITYLINE FINGERPRINT READER	03	68,73
6989	FINGERPRINT READER W	03	26,55,68,73
6991	CITYLINE MEMOKEY READER	03	66
6992	CITYLINE PROXIMITY READER	03	67,72,73
6993	CITYLINE BLUETOOTH READER	03	68,73
6994	CITY AC KEYPAD	03	72
6995	CITY PROXIMITY/KEYPAD READER	03	73
6996	CITY KEYPAD/FINGERPRINT READER	03	68,73
7061	SURFACE BOX S1-1V. 130x128x33	02	23
7062	SURFACE BOX S2-2V. 130x151x33	02	23
7064	SURFACE BOX S4-3V. 130x199x33	02	23
7065	SURFACE BOX S5-4V. 130x246x33	02	23
7066	SURFACE BOX S6-5V. 130x294x33	02	23
7067	SURFACE BOX S7-6V. 130x341x33	02	23,29,56
7068	SURFACE BOX S8-7V. 130x389x33	02	23
7069	SURFACE BOX S9-8V. 130x436,5x33	02	23
7297	MDS COL. CITY DIG. VIDEO PANEL S7	02	29,56
7299	VDS COL. CITY DIG. VIDEO PANEL S7	02	29,49
7301	MDS CITY DIGITAL AUDIO PANEL S7	02	29,56
7303	VDS CITY DIGITAL AUDIO PANEL S7	02	29,49
7310	DIRECTORY PANEL S7	02	29,49,56
7332	SKYLINE FRAME 2V - S2. 130x151mm	02	22
7333	SKYLINE FRAME 3V - S4. 130x199mm	02	22
7334	SKYLINE FRAME 4V - S5. 130x246mm	02	22
7335	SKYLINE FRAME 5V - S6. 130x294mm	02	22
7336	SKYLINE FRAME 6V - S7. 130x341mm	02	22,55
7337	SKYLINE FRAME 7V - S8. 130x389mm	02	22,55
7338	SKYLINE FRAME 8V - S9. 130x436,5mm	02	22,55
7341	SKYLINE FRAME 1V - S1. 130x128mm	02	22
7365	4 PUSH. 104 ANALOGUE MODULE W	02	24
7366	2 PUSH. 102 ANALOGUE MODULE V	02	24
7367	4 PUSH. 104 VDS MODULE W	02	24
7368	2 PUSH. 102 VDS MODULE V	02	24
7369	8 PUSH. 204 ANALOGUE MODULE W	02	24
7370	4 PUSH. 202 ANALOGUE MODULE V	02	24
7371	8 PUSH. 204 VDS MODULE W	02	24
7372	4 PUSH. 202 VDS MODULE V	02	24
7373	1 PUSH. 101 ANALOGUE MODULE V	02	24
7374	2 PUSH. 201 ANALOGUE MODULE V	02	24
7375	1 PUSH. 101 VDS MODULE V	02	24
7376	2 PUSH. 201 VDS MODULE V	02	24
7399	ANALOGUE AUDIO BASIC MODULE W	02	24
7400	ANALOGUE AUDIO MODULE W	02	24,55
7406	ANALOGUE COL. VIDEO MODULE W	02	24,55
7415	VDS AUDIO MODULE W	02	24
7421	VDS COLOUR VIDEO MODULE W	02	24
7438	MEMOKEY W	03	26,66
7439	VDS/MDS DIRECT KEYPAD W	02	25
7440	PROXIMITY READER V	03	26,55,67,72,73
7441	BLUETOOTH READER V	03	26,55,69,73
7442	METALLIC COMPLEMENT V	02	25
7443	METALLIC COMPLEMENT W	02	25
7444	CARDHOLDER V	02	25,55

REF	DESCRIPTION	FAM.	PAGES
7445	CARDHOLDER W	02	25
7447	VDS/MDS DIGITAL KEYPAD W	02	25,55
7448	ONE-TO-ONE MODULE V	02	25,55
7449	VDS DIGITAL DISPLAY W	02	25
7451	MDS DIGITAL DISPLAY MODULE W	02	55
7453	AC KEYPAD W	03	26,72
7457	AC SKYLINE DIRECT KEYPAD W	03	26
7460	MDS DIGITIZER V	02	25
7934	2 CHANNEL PLUG IN CARD 2 <sup>ND</sup> RELAY	03	69
7952	SINGLE CHANNEL RECEIVER 433Mhz	03	69
7960	SECURITY RF RECEIVER	03	69
8084	PALACE CITYMAX TELEPHONE	02	61
8251	CITY DECORATIVE FRAME S1. 225x310	02	23
8252	CITY DECORATIVE FRAME S2. 225x310	02	23
8254	CITY DECORATIVE FRAME S4. 225x375	02	23
8255	CITY DECORATIVE FRAME S5. 225x375	02	23
8256	CITY DECORATIVE FRAME S6. 225x450	02	23
8257	CITY DECORATIVE FRAME S7. 225x450	02	23,56
8258	CITY DECORATIVE FRAME S8. 225x450	02	23
8259	CITY DECORATIVE FRAME S9. 225x495	02	23
8378	CITY SINGLE ANGLE BOX S1	02	23
8379	CITY SINGLE ANGLE BOX S2	02	23
8381	ANGULAR COMPLEMENT (S4-3V)	02	23
8382	ANGULAR COMPLEMENT (S5-4V)	02	23
8383	ANGULAR COMPLEMENT (S6-5V)	02	23
8384	ANGULAR COMPLEMENT (S7-6V)	02	23
8385	ANGULAR COMPLEMENT (S8-7V)	02	23
8386	ANGULAR COMPLEMENT (S9-8V)	02	23
8400	CITY SINGLE HOOD (S1-1V). 135x130	02	23
8401	CITY SINGLE HOOD (S2-2V). 135x155	02	23
8403	CITY SINGLE HOOD (S4-3V). 135x203	02	23
8404	CITY SINGLE HOOD (S5-4V). 135x250	02	23
8405	CITY SINGLE HOOD (S6-5V). 135x300	02	23
8406	CITY SINGLE HOOD (S7-6V). 135x345	02	23
8407	CITY SINGLE HOOD (S8-7V). 135x393	02	23
8480	CITY SINGLE HOOD (S9-8V). 135x440,5	02	23
8829	JOINING BOLTS SET	02	22,29,49,56
8851	CITY FLUSH BOX (S1-1V). 115x114x45	02	23
8852	CITY FLUSH BOX (S2-2V). 115x138x45	02	23
8854	CITY FLUSH BOX (S4-3V). 115x185x45	02	23
8855	CITY FLUSH BOX (S5-4V). 115x233x45	02	23
8856	CITY FLUSH BOX (S6-5V). 115x280x45	02	23
8857	CITY FLUSH BOX (S7-6V). 115x328x45	02	23,29,49,55,56
8858	CITY FLUSH BOX (S8-7V). 115x375x45	02	23,55
8982	CITY FLUSH BOX (S9-8V). 115x420,5x45	02	23,55
9017	MULTIWAY SWITCHER	02	61
9191	MODULAR DECORATIVE FRAME (S1)	02	23
9192	MODULAR DECORATIVE FRAME (S2)	02	23
9194	MODULAR DECORATIVE FRAME (S4)	02	23
9195	MODULAR DECORATIVE FRAME (S5)	02	23
9196	MODULAR DECORATIVE FRAME (S6)	02	23
9197	MODULAR DECORATIVE FRAME (S7)	02	23
9198	MODULAR DECORATIVE FRAME (S8)	02	23

# INDEX OF REFERENCES

REF	DESCRIPTION	FAM.	PAGES
9199	MODULAR DECORATIVE FRAME (S9)	02	23
23361	PROXIMITY CARD WITHOUT MAGNETIC STRIP	03	26,67,73
24651	DIGITAL RF REMOTE CONTROL	03	69,72
24661	USB TO RS-485 PC ADAPTOR	02	57,59,71
29001	TIMER	02	53
44501	PROXIMITY KEYRING	03	26,67,73
49627	2/W VDS COLOUR CITY VIDEO KIT	03	8
59195	VIDEO BUS CABLE (1MTR)	00	53

REF	DESCRIPTION	FAM.	PAGES
63250	2/W 4+N CITY CLASSIC AUDIO KIT	03	11,14
63300	3/W 4+N CITY CLASSIC AUDIO KIT	03	14
63350	4/W 4+N CITY CLASSIC AUDIO KIT	03	14
63400	6/W 4+N CITY CLASSIC AUDIO KIT	03	14
63450	8/W 4+N CITY CLASSIC AUDIO KIT	03	14
63500	10/W 4+N CITY CLASSIC AUDIO KIT	03	14
63550	12/W 4+N CITY CLASSIC AUDIO KIT	03	14
69400	1/W 4+N CITY CLASSIC AUDIO KIT	03	11,14
79561	TRINARY TRANSMITTER 433Mhz	03	69

**FAMILIES:** 00 (CABLE); 01 (INTERCOM); 02 (AUDIO DOOR ENTRY SYSTEM); 03 (KITS-ACCESS CONTROL); 04 (VIDEO DOOR ENTRY SYSTEM).

**FERMAX**

## ALWAYS AT OUR CUSTOMERS SERVICE

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

Our evolution has not made Fermax forget its family business roots. We know that a company is first of all a group of people and with a good team is how Fermax can offer more to our customers.

Our mission / commitment is to guarantee your satisfaction.

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



## OUR OFFICE HOURS ARE:

- Monday to Thursday: 9.00 to 17.30h
- Friday: 9.00 to 17.00h

## CONTACT SALES:

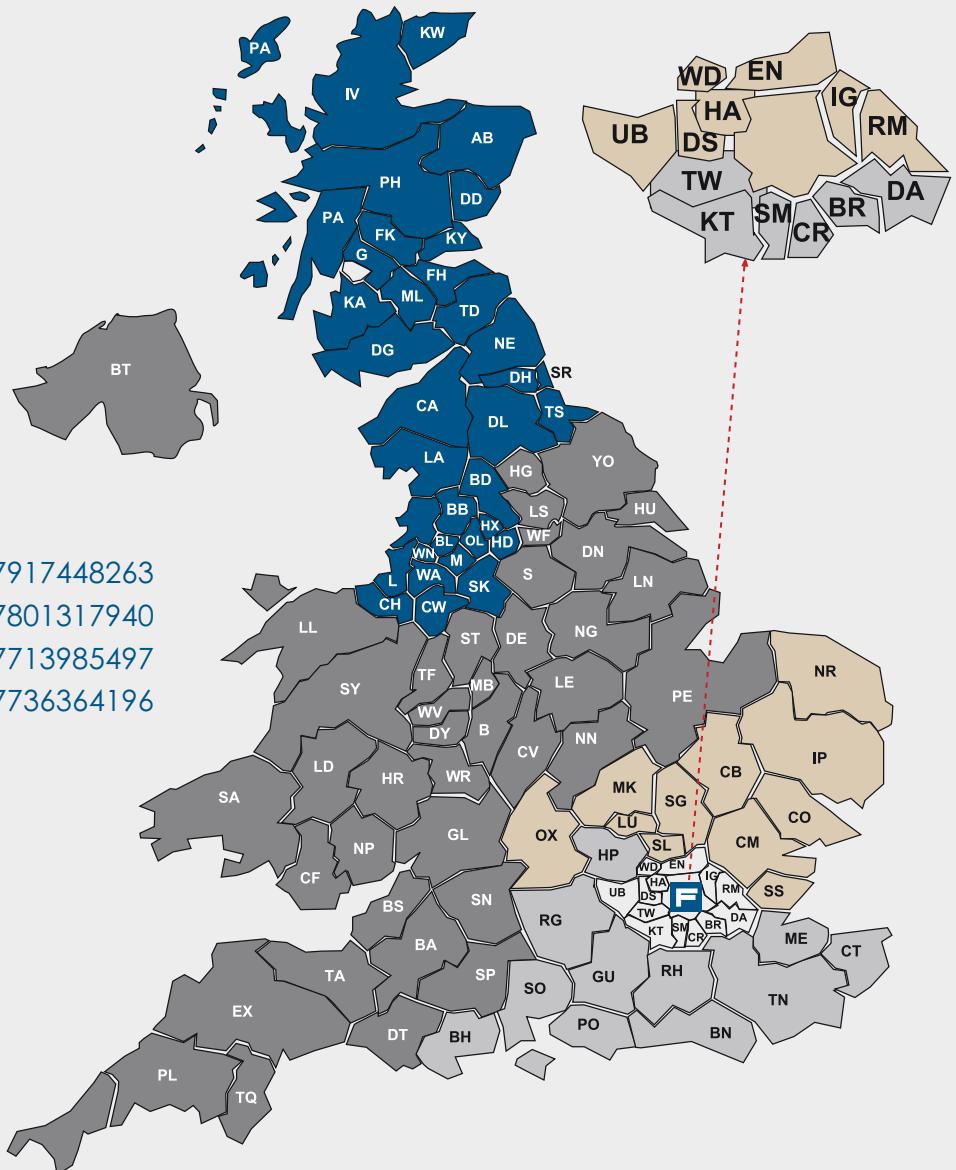
Bebington Close  
Billericay Essex CM12 0DT  
01277 634 555  
FAX: 01277 634 666  
[fermax@fermaxuk.com](mailto:fermax@fermaxuk.com)  
[sales@fermaxuk.com](mailto:sales@fermaxuk.com)  
[technical@fermaxuk.com](mailto:technical@fermaxuk.com)

## SALES AREA

- London/South west Mobile. 07917448263
- Midlands Mobile. 07801317940
- London/South east Mobile. 07713985497
- North Mobile. 07736364196

## PRE & POST SALES, FINANCIAL AND CUSTOMER SERVICE

Tel. 01277 634 555 Ext. 200 / 201



## 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.

## DELIVERY

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

## OWNERSHIP OF GOODS

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

## CANCELLATION

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

## RETURNS

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

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

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

## PRODUCT WARRANTY

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

## PAYMENT

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

## CREDIT FACILITY LIMITATION

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

## LIMITATION ON COMPANY'S LIABILITY

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

## 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

[www.fermaxuk.com](http://www.fermaxuk.com) | [fermax@fermaxuk.com](mailto:fermax@fermaxuk.com)

## An outdoor museum

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

PU01012

