THE POWER OF DIGITAL IN 2 WIRES
DUOX is the new digital technology of Fermax that exceeds all expectations. It makes the difficult easy.

As the world’s first fully digital system based on 2 wires, Duox represents a new, innovative advance in audio and video door entry technology.

Harnessing the power of digital communication, Duox brings a higher performance level coupled with ease of installation. A two wire system with non-polarised connection, Duox takes the cost and time out of Door Entry system installations.

Step into the future and harness the power of Fermax’s new two wire digital system.
DUOX MAIN FEATURES

Digital 2 non-polarised system
Up to 10 panels & 10 guard units at the General Entrance
Up to 10 panels & 10 guard units at each block
Up to 100 blocks & 100 sub-blocks
Less intermediate elements for the installation
Total diversity of the installation
Wide range of door-entry panels and indoor devices with Fermax outstanding design

Discover DUOX, a state of the art, flexible, powerful and intuitive system
2 wires
non polarised

Due to the fact that Duox is a digital system, the type of cable has much less influence on the quality and the running of the system compared to other analogue systems of the market.

- Duox can work with a large variety of cables.
  - Parallel cable, twisted pair
  - 1mm², AWG18, AWG20, AWG22, AWG24, UTP CAT5

- In refurbishment installations, Duox can be installed on the existing cable.
  - 4+N, 1+N, 2 wire bells, Parallel 0,2 mm²

- Errors are avoided because the 2 wires can be inverted.

To reach the longest distances, we recommend to use a 2x1 mm² parallel cable. (Fermax cable ref.5925).
SIMPLICITY OF INSTALLATION

The material list is simple:
- Panel
- Power Supply + filter
- Monitors and telephones
- Line adaptors

SIMPLE INSTALLATION
1 Building

Save time during the installation and the maintenance.
Judge for yourself!

Reduction of intermediate elements
- No floor distributors
- No decoders
- No switchers

The interconnections of the apartments are done easily at each level through simple screw connectors.
In large and complex installations, DUOX installation scheme remains simple.

**COMPLEX INSTALLATION**
(More buildings, longer distances)

Always simple. Just add the required regenerators depending on the distances.
EASY PROGRAMMING

No more hours are lost when it comes to programming the monitors.

No tool is required, everything is done from the monitor’s menu.

With DUOX, discover a simplified programming

MONITORS PROGRAMMING

Duox monitors incorporate an intuitive OSD Menu from which only one person programmes the monitor.

4 steps, in a few seconds!

1. Access to the menu
2. Validate the installation’s menu
3. Choose the programming option from the monitor
4. Introduce the apartment number

PANEL PROGRAMMING

Pushbuttons panel: the DUOX amplifier is equipped with a vocal synthesizer that guides the installer.

Digital panel: programming from the keypad.
Full digital means that all the information (audio, video and data) becomes digital.

** ADVANTAGES **

Greater immunity to external interferences.
Homogeneous quality all through the installation.
Regenerators are used to boost the signal strength. They regenerate an exact signal, meaning that noise is not amplified.
Long distance transmission can be achieved.
More flexibility & higher capacities.
Innovative technology, designed to integrate additional functionalities.

** ANALOGUE **

analog signal

amplified signal

noise

** DIGITAL **

digital signal

digital regenerator

no noise

The data has a better chance of being received correctly. The regenerator has removed the noise so that the noise does not interface with the data transmitted.
There is no limit to what it is possible to do with Duox. Thanks to the digitalisation of the system, it is possible to do all types of installations. The more complex the installation, the more powerful is Duox.

Residents are free to choose the indoor terminals.

The regenerators are the only required elements to do large installations or long distances.

Each telephone installed is a potential additional monitor sale for the installer.

Install systematically a video door entry panel to make the resident choose the indoor terminal.

Apartment residents are free to choose the monitor which they prefer and which meets their budget.

Fermax manage easy system upgrade. A note is attached to the telephone handset explaining that is easy to upgrade to a monitor. Just contact the installer.
DUOX
SMART SYSTEM

RANGE OF PRODUCTS

FERMAX
PANELS

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

ABSOLUTE VERSATILITY.
MODULAR COMPOSITION

Skyline is the perfect door entry panel for contemporary installations that require multiple, integrated systems: information, communication and access control.

Its versatility makes it the only panel able to fulfill any requirements which may arise in a residential, industrial or service sector project.

Its modular design and versatility provide TOTAL CREATIVE FREEDOM to create any imaginable combination.

COMBINES

It consists of different modules: 8 frames of different dimensions, audio-video modules, push buttons modules, digital modules, access control readers, information modules and other accessories.

ENHANCES

SKYLINE modules include the most cutting-edge technologies and functionalities, such as the One To One module or the fingerprint reader module.

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

RESISTS

SKYLINE manufacturing materials – anodised aluminium profile, chromed zamak push buttons and reinforcements, polycarbonate in transparent elements, stainless steel inner grids, etc - are chosen for their beauty and maximum resistance to adverse weather conditions.
SKYLINE consists of 8 different-sized frames. Each frame can integrate a determined number of modules. Modules come in 2 sizes, designated V and W (W is twice the size of V).

**VIDEO AND AUDIO MODULES**

- Video W ref.7391
- Audio W ref.7390

**DOUBLE PUSH BUTTONS**

- 8 BP 204 W ref.7371
- 4 BP 202 V ref.7372
- 2 BP 201 V ref.7376

**SIMPLE PUSH BUTTONS**

- 4 BP 104 W ref.7367
- 2 BP 102 V ref.7368
- 1 BP 101 V ref.7375

**DIGITAL MODULES**

- Direct digital keypad W ref.7447
- Graphic Display W ref.7450
- Direct keypad W ref.7457

**FRAMES**

- Frame 1V ref.7341 Serie 1 130x128
- Frame 2V ref.7342 Serie 2 130x151
- Frame 3V ref.7343 Serie 3 130x199
- Frame 4V ref.7344 Serie 4 130x246
- Frame 5V ref.7335 Serie 5 130x294
- Frame 6V ref.7336 Serie 6 130x341
- Frame 7V ref.7337 Serie 7 130x389
- Frame 8V ref.7338 Serie 8 130x436,5
- Frame 9V ref.7339 Serie 9 130x483

**INFORMATION MODULES**

- Panoramic cardholder W ref.7445
- Panoramic cardholder V ref.7444
- OneToOne V ref.7448

**ACCESSORIES**

- Metallic complement W ref.7443
- Metallic complement W ref.7442

**ACCESS CONTROL**

- Memokey keypad W ref.7438
- Fingerprint W ref.6936
- Proximity V ref.7440

**VIDEO AND AUDIO MODULES**

<table>
<thead>
<tr>
<th>S1 (1V)</th>
<th>S2 (2V)</th>
<th>S4 (3V)</th>
<th>SS (4V)</th>
<th>S6 (5V)</th>
<th>S7 (6V)</th>
<th>S8 (7V)</th>
<th>S9 (8V)</th>
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<td>ref.9191</td>
<td>211x210</td>
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<tr>
<td>city frame</td>
<td>ref.8251</td>
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<tr>
<td>angular complement</td>
<td>ref.8378</td>
<td>8379</td>
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<td></td>
<td></td>
</tr>
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</table>

- If the configuration requires a panel with cardholder, a connection cable ref. 2541 is required between panels (1 cable per each additional panel) and a joining bolts set ref. 8829 to unite flush box. More information in the DUOX section and commercial information of the General Catalogue.

Dimensions: width x height x depth (mm)
TECHNICAL FEATURES
DUOX VIDEO PANEL WITH PUSH BUTTONS

- **Zamak injected** profile tops.
- **Sliding logo**. Concealed screw bolt fixes panel to flush box.
- High power and performance **2W amplifier**. Elliptical loudspeaker.
- **COLOUR camera** with wide angle.
- **Compact audio-video module**. Frontal module in aluminium and inner stainless steel grid.
- Extruded aluminium curved-convex **profile**. Anodized finish.
- **Lighting** for night vision by LEDs.
- 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 sensitivity **microphone**.

**REAR VIEW**

- **Voice synthesizer** as standard. “The door is open. Please, close the door behind you.”
- **Adjustment of conversation volume** control from monitor, outdoor panel and synthesizer message.
- Electronic circuit manufactured in SMD. **DUOX connections:**
  - B, B: Bus DUOX
  - C, NO, NC
  - +12
  - BS, -
  - S, -
  - +, GND
  - Power supply telephones/monitors, dates, audio and video.
  - Relay contacts, 2A@30Vdc (door lock connections).
  - Output 12 Vdc - 250mA.
  - Egress button.
  - Door sensor input.
  - Not available yet.
- **Smart connection** between modules. Extension call modules are not required.
- **Push button** with waterlight contacts. Able to resist 100,000 pressings in 48 hours.
- Laterally folding **hinges**.
Monoblock panel manufactured in anodized aluminium (IP43 IK07). The push buttons and displays are chromed zamak. It is characterized by its curved profile.

**AMPLIFIER-CAMERA MODULE**

Colour camera including 6 leds for a better visibility. It incorporates a wide angle of 92° (vertical) and 70° (horizontal). The amplifier is submitted to a tropicalisation process, designed to support the most extreme weather conditions. It is equipped with a vocal syntethizer that transmits a message when opening the door.

**GRAPHIC DISPLAY**

3.5” TFT screen with high luminance. Allows the name of the resident and apartment number to be displayed thanks to a telephonic listing system.

Several functions:
- Graphic icons indicating the start of the call, communication status or door opening.
- Option to display images, logos or messages.
- Alphanumeric name search.
- Date and time indicator.

**KEYPAD**

Manufactured in zamak. Visually impaired indicator on the 5th button. It has permanent blue backlighting allowing numbers to be seen in poor lighting. Its robust design and waterproof buttons guarantee reliability and durability in any type of environment.
Marine panel is a vandal-proof door entry system made in stainless steel (2.5mm-thick). (IP 54 IK 09). AISI 316L type of stainless steel.

**AMPLIFIER-CAMERA MODULE**

Colour camera including 6 leds for a better visibility. It incorporates a wide angle of 92° (vertical) and 70° (horizontal).

The amplifier is submitted to a tropicalisation process, designed to support the most extreme weather conditions. It is equipped with a vocal synthesizer that transmits a message when opening the door.

**GRAPHIC DISPLAY**

3.5” TFT screen with high luminance. Allows the name of the resident and the apartment number to be seen thanks to a telephonic listing system.

Several functions:
- Graphic icons indicating the start of the call, communication status or door opening.
- Possibility to show images, logos or messages.
- Alphanumeric name search.
- Date and time indicator.

**KEYPAD**

Manufactured on zamak. Marking on the 5 button. It has permanent blue backlighting allowing to see the numbers in low lighting conditions. Its robust design and waterproof buttons guarantee reliability and durability in any type of environment.

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**Video**

Dimensions Panel (ST3): 150x360
Dimensions Flush box (ST3): 130x340x55
Dimensions Surface box (ST3): 154x364x96

ref. 5526
GUIX DIGITAL EXTRA VIDEO MARINE PANEL ST3

ref. 5524
GUIX DIGITAL EXTRA AUDIO MARINE PANEL ST3

ref. 4643
FLUSH BOX ST3

ref. 4647
SURFACE BOX ST3

ref. 4703
HOOD ST3
VIDEO PANELS WITH PUSHBUTTONS

Thanks to its advanced production facility, Fermax is able to manufacture all kinds of stainless steel panels, pushbuttons, standard or specials.

Marine door entry panels with pushbuttons require the call extension modules depending on the number of pushbuttons (ref. 2008 - 8 calls module, ref. 2441 - 16 calls module).

ACCESSORIES

<table>
<thead>
<tr>
<th></th>
<th>FLUSH BOX</th>
<th>SURFACE BOX</th>
<th>SIMPLE HOOD</th>
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<tbody>
<tr>
<td>ST1</td>
<td>ref.4641</td>
<td>ref.4645</td>
<td>ref.4707</td>
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<td>ref.4641</td>
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<td>ref.4646</td>
<td>ref.4702</td>
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<td>ref.4647</td>
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<tr>
<td>ST4</td>
<td>ref.4644</td>
<td>ref.4648</td>
<td>ref.4704</td>
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<td>ref.4644</td>
<td>130x460x55</td>
<td>154x489x96</td>
<td></td>
</tr>
</tbody>
</table>

Dimensions: width x height x depth (mm)
Hands-free VEO-XS monitor. Characterised by its small size and slimline profile. Thanks to its OSD menu and the layout of the buttons, the user experience is easy and intuitive. Made of high-impact ABS with a texturised finish for easy cleaning and ultraviolet protection.

- Surface-mounted handsfree monitor.
- Panoramic 4.3” 16:9 colour screen.
- 5 mechanical buttons for basic functions:
  - MENU.
  - AUTO-ON of the camera.
  - Door opener button (or call to the guard unit).
  - F1 to activate an additional function.
  - Conversation.
- Wheel on the side for the call & audio volume control.
- 3 Leds. “Do not disturb” “Conversation” “Doormatic”.
- OSD MENU:
  - Do not disturb function.
  - Doormatic (automatic opening) with configurable time.
  - 5 configurable ringtones.
  - F2 for additional function.
  - Easy programming from the OSD menu.
  - Door bell function.
  - Conversation privacy.
  - Includes the DUOX line adaptor jumper.
**VEO** monitor is made of high-impact ABS plastic. It has a texturised finish for easy cleaning and ultraviolet protection to get more resistance to the light.

It integrates a 4.3" colour TFT screen. Its unique handset design incorporating a magnet enables the user to put it back into position correctly.

Its balanced design of pure lines, original, modern and minimalist integrate the monitor in all the contemporary interior designs.

- Surface-mounted handsfree monitor.
- Panoramic 4.3" 16:9 colour screen.
- 4 mechanical buttons for basic functions:
  - MENU.
  - AUTO-ON of the camera.
  - Door opener button (or call to the guard unit).
  - F1 to activate an additional function.
- OSD MENU:
  - Do not disturb function.
  - 5 configurable ringtones.
  - Volume control.
  - F2 for additional function.
  - Easy programming from the OSD menu.
  - Door bell function.
  - Conversation privacy.

Dimensions: 200x200x44
iLoft COLOUR hands-free monitor. Compact and extra slim. Its essential design features a transparent polycarbonate sheet, a singular audio output, multifunction buttons and a TFT screen displaying top quality and clarity. Flush-mounted installation.

iLOFT PURE represents the essence of the iLOFT family. Hands-free monitor. Matt finish, without the transparent polycarbonate sheet. Minimalism and simplicity. Surface installation.

- 3,5” colour screen
- 5 mechanical buttons for basic functions:
  - MENU
  - AUTO-ON of the camera
  - Door opener button (or call to the guard unit)
  - F1 to activate an additional function
  - Conversation
- OSD MENU:
  - Do not disturb function
  - 5 configurable ringtones
  - Volume control
  - F2 for additional function
- Easy programming from the OSD menu
- Door bell function
- Conversation privacy
DUOX BASIC PLUS LOFT TELEPHONE

DUOX AUDIO GUARD UNIT

Desktop support included.

ref. 3421
DUOX BASIC PLUS LOFT TELEPHONE

200x240
ref. 3422
DUOX EXTRA LOFT TELEPHONE

Extra slim format, manufactured in high-impact ABS plastic and with a “mirror-polished” finish for easy cleaning. Its unique handset design incorporating a magnet enables the guard to put it back into position correctly. The visitors image cannot be shown in the screen of the guard unit. Includes a stainless steel desktop support. Allows a surface installation.

3 operation modes:
- Day: receives calls from outdoor panels and apartments.
- Mixed: calls from the outdoor panel are received at the guard unit and in the apartment.
- Night: only calls to apartments are allowed.

LOFT

LOFT TELEPHONE

An audio terminal of simple lines. It is made of high-impact ABS plastic. It has a texturised finish for easy cleaning and ultraviolet protection to achieve more light resistance.

Available in different models: the BASIC, with only a pushbutton for opening the door. And the EXTRA, that also includes the volume control and 2 pushbuttons for additional functions. Both telephones include the door bell function.

ref. 3380
DECORATIVE FRAME
200x240

The new DUOX Audio G.U. has a multi-functional 4.3” capacitive touchscreen and quick function access buttons for easy and convenient management:

- MENU: By pressing on it, or directly on the touchscreen, you may access an interface where all the events of the installation are reported: call origins, call types, calls in progress, etc...
- Lock release
- Directly access to the communications display to apartments, outdoor panels and other guard units.
- Directly access to missed calls, which are notified by a red LED on the monitor.

Extra slim format, manufactured in high-impact ABS plastic and with a “mirror-polished” finish for easy cleaning. Its unique handset design incorporating a magnet enables the guard to put it back into position correctly. The visitors image cannot be shown in the screen of the guard unit. Includes a stainless steel desktop support. Allows a surface installation.

3 operation modes:
- Day: receives calls from outdoor panels and apartments.
- Mixed: calls from the outdoor panel are received at the guard unit and in the apartment.
- Night: only calls to apartments are allowed.
SYSTEM COMPONENTS

RISER

POWER-SUPPLY

ref. 4830
POWER SUPPLY DIN 6
18 VDC / 3,5A
(1 PSU = Up to 40 monitors)

ref. 4812
POWER SUPPLY
18Vdc/1,5A DIN 6
(1 PSU = Up to 24 monitors)

ref. 3244
DUOX FILTER
To install with the power supply

ref. 4810
POWER SUPPLY DIN 10
12VAC+18VDC-1.5A
(1 PSU = up to 24 monitors)

DUOX REGENERATORS

There are 3 different devices for signal regeneration, depending on the needs and characteristics of the installation. The regenerator isolates the different sections of the installation, amplifies distances and increase the number of terminals. Inputs and outputs are isolated in terms of short-circuits and suppress possible problems of signal transmission. When a regenerator is installed, distances begin from 0.

ref. 3256
1/WAY DUOX REGENERATOR

It has 1 input and 1 output. The sections of each level should have their own power supply + filter: the 1 output regenerator amplifies data but does not allow the power supply to pass.

It is recommended for amplifying distances, increase the number of terminals, isolate the segments of the installation or isolate the changes of wiring in the same segment.

ref. 3253
2/WAY DUOX REGENERATOR

It has 1 input and 2 output. Thanks to its 2 output, it allows to increase the number of risers and isolate from each other. Power supply required (no filter). It can supply up to 20 terminals per output (in total 40 terminals with a 4830 power supply).

It is recommended in case it is necessary to increase the number of risers of the installation.
ref. 3259
1/WAY MULTICHANNEL DUOX REGENERATOR

It generates a complementary call channel between the main door entry panel and the secondary buildings if the installation is composed of more blocks.

It is used to isolate the communication of one building from other buildings, allowing a simultaneous conversation to be maintained in each building where a ref. 3259 is installed. Apart from that, the functions are the same as the ref. 3256.

It is recommended for multi-building installations in order to have a communication channel per building.

<table>
<thead>
<tr>
<th></th>
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<th>3253</th>
<th>3259</th>
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</tr>
<tr>
<td>channel per building</td>
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</tbody>
</table>

ACCESSORIES

ref. 3255
LINE ADAPTOR

Mixed or video installations: 2 per riser. Audio installations: 1 per riser.

ref. 3257
DUOX RELAY MODULE

For F1 & F2 complementary functions (freelance doormatic professionals, 2nd door, lighting, etc). No extra wiring in the riser.

ref. 2040
ELECTRONIC CALL EXTENSION BELL

ref. 2438
LIGHT OR BUZZER ACTIVATOR

LOCK RELEASE

ref. 64801
LOCK RELEASE 540N-512-S MAX

ref. 67501
LOCK RELEASE UNIVERSAL 12Vac/Vdc

ref. 30711
LOCK RELEASE 540N-S MAX

ref. 4813
POWER SUPPLY 12Vdc/2A. DIN 6
VIDEO KITS  INDIVIDUAL RESIDENCES AND SME’S

1/W COLOUR DUOX VEO VIDEO KIT
ref. 9421
ref. 9422

1/W COLOUR DUOX VEO X VIDEO KIT

2/W COLOUR DUOX VEO VIDEO KIT

1/W DUOX VEO MARINE VIDEO KIT
ref. 9422
ref. 9431
ref. 4907
ref. 4909

1/W DUOX VEO KEYPAD VIDEO KIT
ref. 4907

1/W DUOX iLOFT PURE KEYPAD VIDEO KIT
ref. 4909

1/W COLOUR DUOX VEO-XS KIT
ref. 9431
ref. 9432

1/W COLOUR DUOX VEO-XS KIT
ref. 4912

1/W DUOX VEO-XS MEMOVISION KIT

SYSTEM LAYOUT
Kits are supplied with all the necessary material for a complete video installation (except monitors): video door entry panel with COLOUR camera, flush box, power supply 18Vdc-1.5A (ref. 4812) for the system and power supply 12Vac (ref. 4802) for the door lock release. 2 line adaptors (ref. 3255) are required for each additional riser.

### Kits for Apartments

#### 3/W DUOX VIDEO KIT
- **ref. 49638**
  - **70738**: 4CP03 DUOX CITY panel. S4: 130x199.
  - **8949**: Kit flush box S4: 115×185x45.
  - **2008**: 8-call extension module.
  - **3255**: Line adaptor (2 units).
  - **3244**: DUOX filter.
  - **4802**: Power supply 12Vac/1A. DIN 4.
  - **4812**: Power supply 18Vdc/1.5A.
  - **3 apart.**

#### 4/W DUOX VIDEO KIT
- **ref. 49648**
  - **70748**: 4CP04 DUOX CITY panel. S4: 130x199.
  - **8949**: Kit flush box S4: 115×185x45.
  - **2008**: 8-call extension module.
  - **3255**: Line adaptor (2 units).
  - **3244**: DUOX filter.
  - **4802**: Power supply 12Vac/1A. DIN 4.
  - **4812**: Power supply 18Vdc/1.5A.
  - **4 apart.**

#### 5/W DUOX VIDEO KIT
- **ref. 49658**
  - **70828**: 5CP05 DUOX CITY panel. S5: 130x246.
  - **8855**: Kit flush box S5: 115×233x45.
  - **2008**: 8-call extension module.
  - **3255**: Line adaptor (2 units).
  - **3244**: DUOX filter.
  - **4802**: Power supply 12Vac/1A. DIN 4.
  - **4812**: Power supply 18Vdc/1.5A.
  - **5 apart.**

#### 6/W DUOX VIDEO KIT
- **ref. 49668**
  - **70038**: 6CP06 DUOX CITY panel. S6: 130x294.
  - **8855**: Kit flush box S6: 115×280x45.
  - **2441**: 16-call extension module.
  - **3255**: Line adaptor (2 units).
  - **3244**: DUOX filter.
  - **4802**: Power supply 12Vac/1A. DIN 4.
  - **4812**: Power supply 18Vdc/1.5A.
  - **6 apart.**

#### 7/W DUOX VIDEO KIT
- **ref. 49728**
  - **70138**: 7CP07 DUOX CITY panel. S7: 130x341.
  - **8855**: Kit flush box S7: 115×328x45.
  - **2441**: 16-call extension module.
  - **3255**: Line adaptor (2 units).
  - **3244**: DUOX filter.
  - **4802**: Power supply 12Vac/1A. DIN 4.
  - **4812**: Power supply 18Vdc/1.5A.
  - **7 apart.**

#### 8/W DUOX VIDEO KIT
- **ref. 49738**
  - **70228**: 8CP08 DUOX CITY panel. S8: 130x389.
  - **8855**: Kit flush box S8: 115×375x45.
  - **2441**: 16-call extension module.
  - **3255**: Line adaptor (2 units).
  - **3244**: DUOX filter.
  - **4802**: Power supply 12Vac/1A. DIN 4.
  - **4812**: Power supply 18Vdc/1.5A.
  - **8 apart.**

#### 9/W DUOX VIDEO KIT
- **ref. 49748**
  - **70328**: 9CP09 DUOX CITY panel. S9: 130x434.
  - **8855**: Kit flush box S9: 115×421x45.
  - **2441**: 16-call extension module.
  - **3255**: Line adaptor (2 units).
  - **3244**: DUOX filter.
  - **4802**: Power supply 12Vac/1A. DIN 4.
  - **4812**: Power supply 18Vdc/1.5A.
  - **9 apart.**

#### 10/W DUOX VIDEO KIT
- **ref. 49758**
  - **70428**: 10CP10 DUOX CITY panel. S10: 130x529.
  - **8855**: Kit flush box S10: 115×516x45.
  - **2441**: 16-call extension module.
  - **3255**: Line adaptor (2 units).
  - **3244**: DUOX filter.
  - **4802**: Power supply 12Vac/1A. DIN 4.
  - **4812**: Power supply 18Vdc/1.5A.
  - **10 apart.**

#### 11/W DUOX VIDEO KIT
- **ref. 49768**
  - **70528**: 11CP11 DUOX CITY panel. S11: 130x624.
  - **8855**: Kit flush box S11: 115×611x45.
  - **2441**: 16-call extension module.
  - **3255**: Line adaptor (2 units).
  - **3244**: DUOX filter.
  - **4802**: Power supply 12Vac/1A. DIN 4.
  - **4812**: Power supply 18Vdc/1.5A.
  - **11 apart.**

#### 12/W DUOX VIDEO KIT
- **ref. 49778**
  - **70628**: 12CP12 DUOX CITY panel. S12: 130x719.
  - **8855**: Kit flush box S12: 115×706x45.
  - **2441**: 16-call extension module.
  - **3255**: Line adaptor (2 units).
  - **3244**: DUOX filter.
  - **4802**: Power supply 12Vac/1A. DIN 4.
  - **4812**: Power supply 18Vdc/1.5A.
  - **12 apart.**

#### 13/W DUOX VIDEO KIT
- **ref. 49788**
  - **70728**: 13CP13 DUOX CITY panel. S13: 130x814.
  - **8855**: Kit flush box S13: 115×801x45.
  - **2441**: 16-call extension module.
  - **3255**: Line adaptor (2 units).
  - **3244**: DUOX filter.
  - **4802**: Power supply 12Vac/1A. DIN 4.
  - **4812**: Power supply 18Vdc/1.5A.
  - **13 apart.**

#### 14/W DUOX VIDEO KIT
- **ref. 49798**
  - **70828**: 14CP14 DUOX CITY panel. S14: 130x909.
  - **8855**: Kit flush box S14: 115×896x45.
  - **2441**: 16-call extension module.
  - **3255**: Line adaptor (2 units).
  - **3244**: DUOX filter.
  - **4802**: Power supply 12Vac/1A. DIN 4.
  - **4812**: Power supply 18Vdc/1.5A.
  - **14 apart.**

### Monitors

- **VEO XS**
  - Monitors NOT included
DUOX
SMART SYSTEM

INSTALLATION
THE DUOX SYSTEM IS COMPOSED OF THE FOLLOWING ELEMENTS

ACCESS
- Panel
- PSU+FILTER
- Line adaptor

RESIDENCE
- Lock release
- Monitor
- Telephone

INSTALLATION ACCESSORIES
- Regenerator / Relay

ref.3244
ref.3255
ref.3421
ref.4810 / 4812 / 4830
ref.9405
ref.9408
ref.3255
ref.5603

12Vdc

www.fermax.com/quickguide
DUOX SKYLINE Panel.
- Lock release 12Vdc (ref. 30701).
- PSU 18Vdc (ref. 4810 / 4812 / 4830).
- DUOX Filter (ref. 3244).
- DUOX VEO Monitor (ref. 9405).
- Line adaptor DUOX (ref. 3255)
If an AC electric lock is used, an additional power supply (ref.4800 - 12Vac/1,5A) is required. Universal lock release ref.67501 - 990N-P22MAX.

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