

More powerful

THE ONLY **FULLY DIGITAL** DOOR ENTRY SYSTEM **IN 2 WIRES**



YOU'RE AT HOME







The new advanced DUOX system offers much more

Higher performance and increased capacity, faster and more user-friendly, but above all, it brings us to a new technological dimension destined to define the future of video door systems.

DUOX PLUS brings the **MOST POWERFUL**

2-wire digital system to your home.

2 wires

A fully digital door entry system that works with 2 non-polarised wires from start to finish in the installation.

user-friendly

Since the system is entirely digital, the type of wiring has much less of an effect on the quality and performance of the system. Furthermore, very few intermediary elements are required, which saves considerable time in the installation.

scalable

Up to 10 panels and 10 guard units at the general entrances.

Up to 10 panels and 10 guard units in each building or block of apartments. Up to 100 blocks and sub-blocks.

intuitive

The DUOX PLUS monitors can be programmed in just a few seconds, directly from the OSD menu.

no limits

DUOX is designed to work with all kinds of projects; large or small, simple or complex, vertical structures or horizontal installations.

product range

A broad variety of outdoor panels and indoor terminals with an exclusive design and advanced functions, without any increase in price.

connectivity for everyone

With DUOX PLUS, Fermax can introduce any kind of building or home to the world of connectivity, incorporating mobile call divert into even the most basic monitors.



capacity

- LONGER DISTANCES
- INCREASED VOLTAGE, LESS CONSUMPTION
- GREATER NUMBER OF TERMINALS PER POWER SUPPLY

DUOX PLUS allows you to push the boundaries of digital technology. Thanks to the digitalisation of the system, it can now be used in all kinds of installations.

The more complex the installation is, the more powerful DUOX PLUS will be.



flexibility

- MORE APARTMENTS PER FLOOR
- BETTER SERVICE WITH ANY CABLE
- SIMPLER INSTALLATION

Can be easily replaced, with no need to change the installed wiring. Considerable time saving during installation and maintenance.



technology

- MORE DIGITISED
- 2 SIMULTANEOUS AUDIO/VIDEO COMMUNICATION CHANNELS IN THE SAME RISER
- MORE RESOLUTION AND FLUIDITY ON VIDEO QUALITY
- AUDIO QUALITY ENTIRELY FREE OF INTERFERENCE



- . Designed to handle external interference.
- . Consistent quality throughout the installation.
- . The regenerators boost the signal.

FERMAX

. Capable of communicating over long distances.



functions

- ONE SINGLE CONNECTOR FOR ALL THE MONITORS
- NEW VEO TELEPHONE
- BETTER VISUAL ANGLE ON THE OUTDOOR PANEL

DUOX PLUS is a system designed for everyone. Not just for its intuitive and attractive design, but also because it provides more advantages and functions for both the installer and the end user, at no additional cost. $\langle \mathfrak{A} \rangle$





- INCREASED SECURITY
- FASTER COMMUNICATION



Our systems provide a wide range of different possibilities for security, mobility and comfort, inside and outside the home.

All video kits now include a WiFi monitor as standard, at no extra cost!



2111

CONNECTIVITY FOR ALL







product range



🚺 WiFi monitors

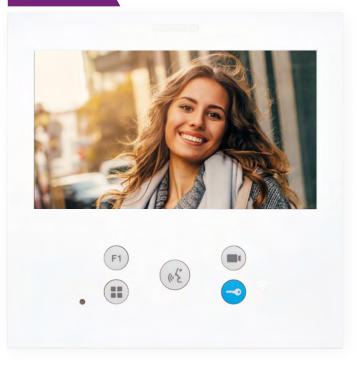
Features of WiFi monitors

VEO and VEO-XS 4.3" colour monitors and VEO-XL 7" colour monitors, made from high-impact ABS plastic and UV protection, with settings for contrast, brightness, colour, audio volume, call ring tone volume, do not disturb function, doorbell, date and time, silicone buttons for activating the lock release that are pleasant to the touch, access to the main OSD menu from the screen, activation of the outdoor panel camera, and various other additional configurable functions such as activating second access, courtesy light, etc. Available in white and for surface installation.

Three WiFi monitor options: the VEO monitor with its unique handset design incorporating a magnet that enables the user to hang up correctly at the end of the conversation, and the VEO-XS and VEO-XL hands-free monitors.



NEW







Automatically captures an image of the person who calls. If the user decides to activate this function, the monitor will save up to 150 images, with the date and time when they were taken. Once maximum capacity has been reached, taking a new photo will delete the first one that was saved. The screen will always tell you if there are photos that you haven't seen or if the date/time has not been configured.

Call divert to mobile

The DUOX PLUS VEO, VEO-XS and VEO-XL WiFi monitors are equipped with a WiFi connection, allowing for calls to be diverted to mobile devices.

With the BLUE app by FERMAX you can manage all the video door functions and much more directly from your mobile phone or tablet.













Containe Contained

🗐 📘 🔽

VEO, VEO-XS AND VEO-XL WIFI MONITORS

- 9446 DUOX PLUS VEO WIFI MONITOR
- 9456 DUOX PLUS VEO WIFI MONITOR WITH INDUCTIVE LOOP Dimensions: 200x200x23 mm (44 mm with handset).
 - 9449 DUOX PLUS VEO-XS WIFI MONITOR
- 9459 DUOX PLUS VEO-XS WIFI MONITOR WITH INDUCTIVE LOOP Hands-free. Dimensions: 125x165x21mm.
- 9469
 DUOX PLUS VEO-XL WIFI MONITOR

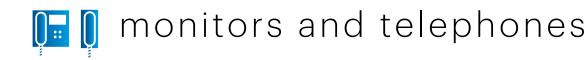
 9479
 DUOX PLUS VEO-XL WIFI MONITOR WITH INDUCTIVE LOOP

 Hands-free.
 Dimensions: 185x185x21mm.
 - 9447 DUOX PLUS CONNECTOR
 Mounting support for VEO, VEO-XS and VEO-XL
 monitors.

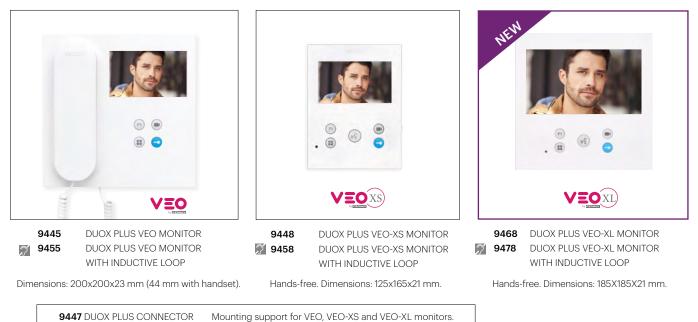


<< If you'd like to watch our video to find out more, scan this code





VEO, VEO-XS AND VEO-XL MONITORS



9447 DUOX PLUS CONNECTOR

VEO, LOFT AND ILOFT TELEPHONES



DUOX PLUS VEO TELEPHONE 3444 Includes volume control. Dimensions: 82x214x43 mm.



3452 DUOX PLUS LOFT EXTRA TELEPHONE Includes 2 buttons for extra functions: turn on lights, open 2nd door, etc. Dimensions: 85x220x40 mm.



- 3450
- ILOFT DUOX PLUS TELEPHONE Hands-free. Includes volume control and a button for additional function. Dimensions: 90x146.5x20 mm.



AUDIO GUARD UNIT

9423 DUOX PLUS AUDIO VEO GUARD UNIT

DUOX PLUS Audio Guard Unit has a multi-functional 4,3" capacitive touchscreen and quick function access buttons for easy convenient management. Its unique handset design incorporating a magnet enables the user to put it back into position correctly. It includes a stainless steel desktop support. It allows a surface installation.

Dimensions: 200x200 mm. Support included.



FERMAX

outdoor panels





SKYLINE Modular design. Anodised aluminium. IP43 IK07





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

If the configuration requires more than one panel, they will need to be connected together with a connection cable (ref. 2541) (1 cable for each additional panel) and a set of joining bolts (ref. 8829) to attach them to unite the flush boxes.

* To make DOUBLE modular frames, add to the SINGLE frame a DOUBLE PANEL MODULAR FRAME KIT (ref. 9200). Horizontal: 341 mm.
* To make TRIPLE modular frames, add to the SINGLE frame a TRIPLE PANEL MODULAR FRAME KIT (ref. 9201). Horizontal: 471 mm.



outdoor panels



CITYLINE Monoblock design panel. Anodised aluminium. IP43 IK07

DIGITAL CITYLINE



display. The keypad has an access control function (10,000 codes).

73871 DUOX PLUS DIGITAL CITY VIDEO PANEL S7 DUOX PLUS DIGITAL CITY VIDEO PANEL PROX S8 73811

DUOX PLUS DIGITAL 1/W CITY VIDEO PANEL S7 73878 73818 DUOX PLUS DIG 1/W CITY VIDEO PANEL PROX S8 With a push button to call any concierge DUOX PLUS ref. 9423.

DIRECTORY PANEL S7 7310 8857 FLUSH BOX S7 8858 FLUSH BOX S8

8829 JOINING BOLTS SET

1 PUSH.

PUSH BUTTONS CITYLINE

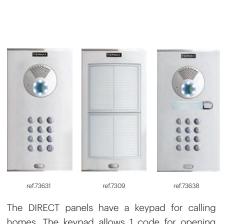
SERIES 1 // Panel: 130x128 SERIES 2 // Panel: 130x151 Flush box (ref.8851): 115x114x45 Flush box (ref.8852): 115x138x45 D D ref.40708 ref.40008 ref.40704 ref.40004 ref.40718 ref.40018 ref.40714 2 PUSH. 1 PUSH 2 PUSH. 2 PUSH. 4 PUSH. 2 PUSH



The CITYLINE outdoor panels with push buttons (except the outdoor panels in size S1, both AUDIO and VIDEO, with 1 and 2 push buttons), always require a call extension module, depending on the number of push buttons (ref. 2008 - 8 call extension module, ref. 2441 - 16 call extension module).

If the configuration requires more than one panel, they will need to be connected together with a connection cable (ref. 2541) (1 cable for each additional panel) and a set of joining bolts (ref. 8829) to attach them to unite the flush boxes.

DIRECT CITYLINE



homes. The keypad allows 1 code for opening the door. We recommend adding a DIRECTORY PANEL.

73631	DUOX PLUS DIRECT CITY VIDEO PANEL S5
73638	DUOX PLUS DIRECT 1/W CITY
	VIDEO PANEL S5
	With a push button to call any concierge
	DUOX PLUS ref. 9423.
7309	DIRECTORY PANEL S5
8855	FLUSH BOX S5
8829	JOINING BOLTS SET





MARINE Stainless steel vandal-proof panel. 316L. IP54 IK09



The MARINE outdoor panels with push buttons (except 1 and 2 ways VIDEO panels), always require a call extension module, depending on the number of push buttons. (ref. 2008 - 8 call extension module, ref. 2441 - 16 call extension module).



ACCESSORIES	FLUSH BOX	SURFACE BOX (with hood)	SIMPLE HOOD
ST1	ref.4641 130x160x55	ref.4645 154x184x96	ref.4701
ST2	ref.4642 130x220x55	ref.4646 154x244x96	ref.4702
ST3	ref.4643 130x340x55	ref.4647 154x364x96	ref.4703
ST3+	ref.4653 130x400x55	ref.4654 154x423x96	ref.4655
ST4	ref.4644 130x465x55	ref.4648 154x489x96	ref.4704

If the configuration requires more than one panel, they will need to be connected together with a connection cable (ref. 2541) (1 cable for each additional panel) and a set of joining bolts (ref. 2289) to attach them to unite the flush boxes.



MARINE ELITE

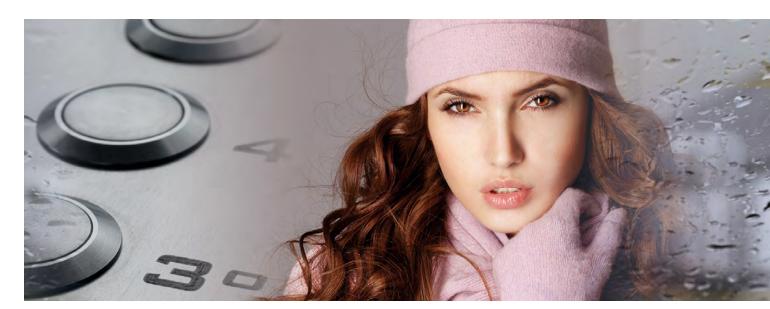






MARINE SPECIAL (made to measure)

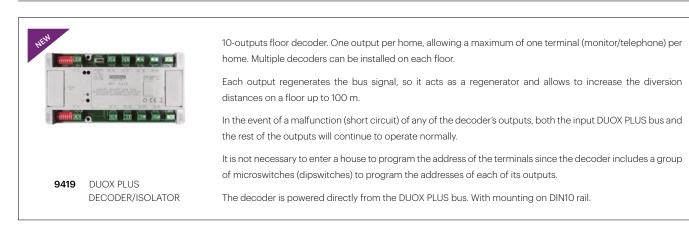
3172	MARINE SPECIAL PANEL
4579	MARINE SPECIAL PANEL HOOD
4580	MARINE SPECIAL PANEL FLUSH BOX
4581	MARINE SPECIAL PANEL SURFACE BOX WITH HOOD







DECODER



POWER SUPPLY AND ADAPTORS



Terminal consumption table per power supply in **DISTRIBUTION** (4 x floor)

	VEO/VEO XS no WiFi	VEO/VEO XS WiFi	VEO XL no WiFi	VEO XL WiFi	Telephones
1,0 mm ²	40	28	34	24	80
0,5 mm ²	40	24	30	18	80
0,2 mm ²	36	20	24	12	72

Terminal consumption table per power supply in **CASCADE**

	VEO/VEO XS no WiFi VEO/VEO XS WiFi		VEO XL no WiFi	VEO XL WiFi	Telephones
1,0 mm ²	40	26	30	20	60
0,5 mm ²	32	20	22	14	45
0,2 mm ²	18	12	12	10	25



REGENERATORS

They allow the signal to be regenerated and amplified in both ways, and they also increase distances and the number of terminals. The sections connected to the input and output protect against short-circuit, overloads and signal reflections. Maximum of 5 units in cascade. Up to 99 if they are connected in parallel.

3269 2/W DUOX PLUS REGENERATOR	3268 1/W DUOX PLUS DUAL REGENERATOR
It has 1 input and 2 outputs. By having 2 outputs (also isolated from each other) it enables the number of risers to be increased. Requires 24Vdc power supply without filter (ref. 4840). For more information: www.fermax.com/intl/en/pro/documents	It has 1 input and 1 output. As per factory default settings, electrical energy does not flow, but this can be configured via a dipswitch so that the data (which regenerates) as well as the power supply can pass through. That way there is no need to always install a power supply at the output. The number of devices that can be fed at the output without an additional power supply units will depend on the power that reaches the regenerator. For more information: www.fermax.com/intl/en/pro/documents

	No. of inputs	No. of outputs	Regenerates	Isolates	Incorporates power supply filter	Additional conversation channel per riser
3269	1	2	YES	YES	YES	NO
3268	1	1	YES	YES	NO	YES (in multichannel mode)

ACCESORIOS



3233 DUOX PLUS BASIC RELAY

Basic functions. Allows you to activate an additional function from F1 or F2 of the DUOX PLUS terminals, without additional wiring. The relay can also be activated by the call or by activating the lock release. It can be connected at any point of the bus.



9444 DUOX PLUS CAMERA INTERFACE

The DUOX PLUS camera interface is a device that allows you to integrate CCTV analog composite video cameras in a DUOX PLUS installation. An interface is required for each camera installed in a DUOX PLUS installation (up to 2 per block and 1 general entrance).



3267 DUOX PLUS RELAY MODULE

Advanced functions. Allows you to pair 2 relays, 1 as a transmitter and other as a receiver, to perform remote activations. An address can be programmed with the address assistance (001-999) using the DUOX PLUS Programmer ref. 3254 via the relay's telephone connector.



9443 DUOX PLUS LIFT CONTROL UNIT

It is used to provide a lift control service for the DUOX PLUS installation. This allows visitors to access only the floor corresponding to the flat that has opened the door for them. It is an interface between DUOX PLUS and MDS. The MDS Central Unit is responsible for the lift control function, as well as the MDS relay decoders.



67501

6750

6752

UNIVERSAL LOCK RELEASE 990N-P22 MAX 10-24Vac/dc UNIVERSAL MECHANISM 990N MAX 10-24Vac/dc UNIVERSAL MECHANISM 990A MAX 12-24Vac/dc

2040 2438 CALL EXTENSION MODULE LIGHT/DOOR BELL ACTIVATOR





WIFI MONITOR AS STANDARD

VIDEO DOOR KITS

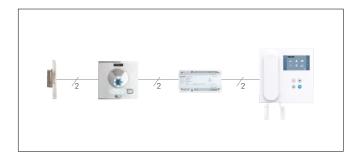
94411 1/W DUOX PLUS VEO WiFi KIT 94421 2/W DUOX PLUS VEO WiFi KIT	94511 1/W DUOX PLUS VEO-XS WiFi KIT 94521 2/W DUOX PLUS VEO-XS WiFi KIT	9471 1/W DUOX PLUS VEO-XL WiFi KIT 9472 2/W DUOX PLUS VEO-XL WiFi KIT
49081 1/W DUOX PLUS VEO WiFi ONE-TO-ONE KIT	50731 1/W DUOX PLUS VEO-XS WiFi MARINE KIT	50831 1/W DUOX PLUS VEO-XS WiFi MARINE BLACK KIT
50781 1/W DUOX PLUS MARINE ONE-TO-ONE VEO-XS WIFI KIT	49071 1/W DUOX PLUS VEO WiFi MEMOVISION KIT	49121 1/W DUOX PLUS VEO-XS WiFi MEMOVISION KIT

KITS EXTENSIONS

INDOOR: up to 2 terminals without additional power supply (total terminals per home = 3). Depending on the type of cable and distances, additional power supply (ref. 4825), line adaptors ref. 3255 and/or regenerators might be required.

OUTDOOR: It is possible to extend the installation by adding more outdoor panels (up to 10). Depending on the type of cable and topology, additional power supply (ref. 4825), line adaptors ref. 3255 and/or regenerators might be required.

INSTALLATION DIAGRAM





AUDIO KITS



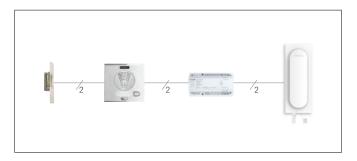


KITS EXTENSIONS

INDOOR: up to 2 terminals without additional power supply (total terminals per home = 3). Depending on the type of cable and distances, additional power supply (ref. 4825), line adaptors ref. 3255 and/or regenerators might be required.

OUTDOOR: It is possible to extend the installation by adding more outdoor panels (up to 10). Depending on the type of cable and topology, additional power supply (ref. 4825), line adaptors ref. 3255 and/or regenerators might be required.

INSTALLATION DIAGRAM



ACCESSORIES

VEO, VE	O-XS AND VEO-XL MONITORS		VEO AN	ID LOFT TELEPHONES
3388	UNIVERSAL DECORATIVE FRAME 120X240 (ONLY VEO-XS)		3380	LOFT TELEPHONE DECORATIVE FRAME 120X240 200X240
3389	UNIVERSAL LARGE DECORATIVE FRAME 210X240		3388	UNIVERSAL DECORATIVE FRAME 120X240
9410	VEO MONITOR DESKTOP SUPPORT		3389	UNIVERSAL LARGE DECORATIVE FRAME 210X240
9420	VEO-XS AND VEO-XL MONITOR DESKTOP SUPPORT		3749	VEO / LOFT TELEPHONE DESKTOP SUPPORT
		Ń	3441	LOFT HANDSET WITH INDUCTIVE LOOP
ILOFT TE	LEPHONE	2	3443	VEO HANDSET WITH INDUCTIVE LOOP
3388	UNIVERSAL DECORATIVE FRAME 120X240	75		
3389	UNIVERSAL LARGE DECORATIVE FRAME 210X240		CITYLIN	IE AND MARINE PANELS
5636	ILOFT TELEPHONE DESKTOP SUPPORT		SEE OU	TDOOR PANEL SECTION



technical information

 \ll

N

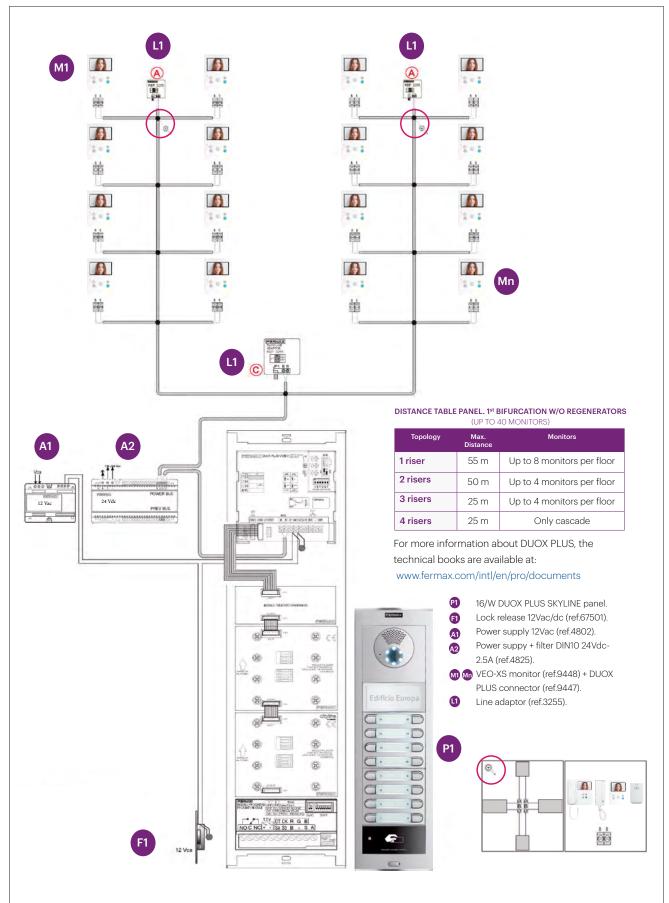
 $\overline{\mathcal{A}}$





DIAGRAM. DUOX PLUS VIDEO

1 ACCESS VIDEO DUOX PLUS TO 2 RISERS OF 4 FLOORS. 2 APARTMENTS PER FLOOR







PROJECTS TABLE. WIFI DUOX PLUS

DUOX PLUS VIDEO. SKYLINE PANEL. VEO AND VEO-XS WIFI MONITORS

40	38 38	36	34	32	32	30	28	26	24	24	22	20	18	16	14	12	10	œ	თ	4	2	No. SERIES HOMES		SKYLINE PANEL
S7	S7	S7	S7	S7	9S	9S	S6	9S	S2	6S	6S	8S	8S	S7	S7	S6	S6	S2	SS	S4	S4	SERIES		
																				_	_	ref. 7333	FRAME 3V	1
																				_	_	ref. 8854	FLUSH BOX	
									2									_	_			ref. 7334	4V	1
									2									_	_			ref. 8855	FLUSH BOX	
					2	2	N	2								_	_					ref. 7335	5V	1
					2	2	N	N								_	_					ref. 8856	FLUSH BOX	
2	N	N	2	2										_	_							ref. 7336	6V	
2	Ν	N	2	2										_	_							ref. 8857	FLUSH BOX	
													<u> </u>									ref. 7337	5	
												<u> </u>	<u> </u>									ref. 8858	FLUSH BOX	
											<u> </u>											ref. 7338	8	
										_	_											ref. 8982	FLUSH BOX	
_		_	_	_	_	_		_	_													ref. 8829	JOINING CABLE AMPLIF. BOLTS MOD.	
_	_	<u> </u>				<u> </u>	<u> </u>	<u> </u>	_													ref. 2541	CABLE	C
<u> </u>																						ref. 73911 r	VIDEO MOD.	*
	<u>د</u>																				-	201 ref.7376 r	PUSH	
	<u>د</u>	<u> </u>			Ν			Ν														202 ref.7372 re	PUSH BUTTONS MODULES	00
U	4	4	4	4	ω	ω	ω	2	ω	ω	Ν	Ν	Ν	Ν								204 V 2V ef.7371 ref.7442 ref.7443		oonin oonin
							 	<u> </u>														V f.7442	METALLIC COMPLEMENTS	
				<u>د</u>																		2V ref.7443	.IC ENTS	
2	2	2	2	2	2	2	_	-	_	-	_	-	_	_	_	_	_	_	_	_	_	ref. 4825	POWER SUPPLY	
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	ref. 3255	LINE ADAPTOR	3
40	38	<u>з</u> б	34	32	32	30	28	26	24	24	22	20	18	16	14	12	10	ω	6	4	2	ref.944b + ref.9447	×	=
40	38 8	36	34	32	32	30	28	26	24	24	22	20	8	16	14	12	10	œ	റ	4	2	ret.9449 + ref.9447	+	11 0 0 0 0





FERMAX ELECTRÓNICA, S.A.U. Avda. Tres Cruces, 133 • 46017 VALENCIA (Spain)

www.fermax.com

TELEPHONE

+34 96 317 80 11

export@fermax.com

sales assistance 3 +34 963 178 011

FERMAX ASIA PACIFIC PTE LTD

Block 13, Lorong 8 Toa Payoh #07-12 Braddell Tech 319261 Singapore 2 +65 6259 0700 fermax@fermax.com.sg / www.fermax.com.sg

FERMAX BELGIUM Nieuwstraat,10 • 1570 Galmaarden • Belgium ☎ +32 54 31 82 80 info@fermax.be / www.fermax.be

FERMAX COLOMBIA

Cll 93B No 19-35/57 Oficina 201 • Bogotá D.C.- Colombia +57 1 6915832 fermax@fermax.com.co / www.fermax.com.co

FERMAX FRANCE S.A.S.U.

13 Rue de la perdrix • Bâtiment 9 Hall B. ZI Paris Nord 2 93290 Tremblay en France T +33 1 43 60 11 20 fermax@fermax.fr / www.fermax.fr

FERMAX MIDDLE EAST REGIONAL OFFICE

Office No. 7WA 3046 P.O. Box 293824 Dubai airport Freezone - Dubai (UAE) **2** +971 4 253 3369 - FAX: +971 4 253 3370 mideast@fermax.com / www.fermax.com

FERMAX PORTUGAL

Via do Oriente nº12 E, Parque das Nações Norte 1990-514 LISBOA +351 915169236 portugal@fermax.pt / www.fermax.pt FERMAX POLSKA Sp. z o.o ul. Szkolna 86 • 62-002 Suchy Las ☎ +48 618 112 303 - FAX +48 618 112 343 fermax@fermax.pl / www.fermax.pl

Office in Warsaw ul. Minska 63a lok. 47 (budynek Pryzmat) 03-828 Warszawa ☎ +48 22 3308150

FERMAX (SHANGHAI) ELECTRONICS CO. LTD.

Room 705, Building A, Hongwell Lotus Plaza, No. 1308, Lianhua Road • Shanghai T +86 21-64659292 - FAX: +86 21-64654992 fermax@fermax.com.cn / www.fermax.com.cn

FERMAX TURKEY

Perpa Ticaret Merkezi A • Blok Kat:11 No:1567 Sisli / Istanbul +90 212 3560565 - FAX +90 212 3560691 info@fermax.com.tr / www.fermax.com.tr

FERMAX UK LTD

36 Saffron Court Southfields Industrial Estate Laindon, Essex, SS15 6SS & +44 01277 634555 fermax@fermaxuk.com / www.fermax.co.uk.com

SECURE ENGINEERING Ltd

Advanced Technology Centre East Sutton, Maidstone, Kent. ME17 3DD +44 01622 844 244 info@secureeng.co.uk / www.secureeng.co.uk

DUOX PLUS CATALOGUE

2nd Edition. January 2021

DESIGN AND LAYOUT FERMAX ELECTRÓNICA, S.A.U



www.fermax.com |fermax@fermax.com

