

VIMAR K40910

VIMAR Video Intercom Kit User Manual

Model: K40910

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your VIMAR Single-Family Video Door Entry Kit. This kit is designed to enhance security and communication for your home, featuring a hands-free monitor and a robust outdoor entrance panel.

The kit includes a 7-inch color LCD TFT monitor (Model Elvox K40912) with a capacitive-touch keypad for intuitive control, and a metal surface-mounting audio/video entrance panel (Model Elvox 40920 P1) equipped with a wide-angle camera and night vision capabilities. A multi-plug power supply is also included for convenience.

Please read this manual thoroughly before installation and use to ensure proper functioning and to maximize the lifespan of your product.

2. SAFETY INFORMATION

Always adhere to local electrical codes and regulations during installation. Installation should only be performed by qualified personnel.

- **Power Disconnection:** Always disconnect power to the installation area before beginning any wiring or maintenance work.
- **Wiring:** Use only the specified 2-core non-polarized wire for connections. Ensure all connections are secure and properly insulated.
- **Environmental Conditions:** The outdoor panel is designed for outdoor use (IP44, IK07 rated), but avoid direct exposure to extreme weather conditions beyond its operating temperature range (-25°C to +55°C).
- **Cleaning:** Do not use abrasive cleaners or solvents on any part of the system. Use a soft, damp cloth for cleaning.
- **Modifications:** Do not attempt to modify or repair the unit yourself. Refer all servicing to qualified service personnel.

3. PACKAGE CONTENTS

Verify that all items listed below are present in your kit:

- 1x Surface Mounting Hands-Free Video Entryphone Monitor (Elvox K40912)

- 1x Metal Surface Mounting Audio/Video Entrance Panel (Elvox 40920 P1)
- 1x EU/BS/UK/AU Multi-plug Power Supply
- Mounting Hardware (screws, wall plugs)
- User Manual (this document)



Figure 3.1: Overview of the VIMAR Video Intercom Kit components as packaged.

4. SETUP AND INSTALLATION

This section outlines the steps for installing your video intercom system.

4.1 Wiring Requirements

- Only a 2-core non-polarized wire is required for the entire wiring of the kit.
- Maximum distance between the entrance panel and the last monitor is 100m when using a 2x1mm² cable.

4.2 System Expansion

- Up to 3 Elvox K40912 monitors can be connected per entrance panel.
- Up to 2 Elvox 40920 P1 entrance panels can be connected to the system.

4.3 Electric Door Lock Connection

A 12VDC (2A for 0.5-10s) electric door lock (not included) can be connected directly to the entrance panel without requiring additional hardware.



Figure 4.1: Example of the outdoor entrance panel installed on a wall.

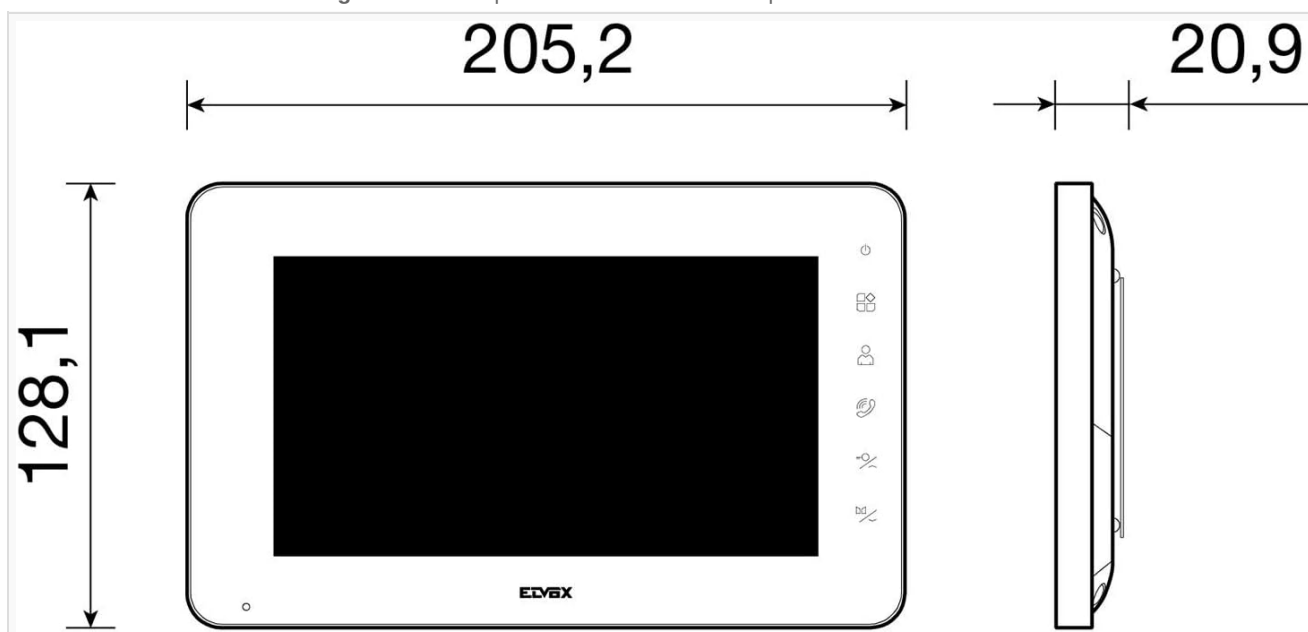


Figure 4.2: Example of the indoor monitor installed on a wall.

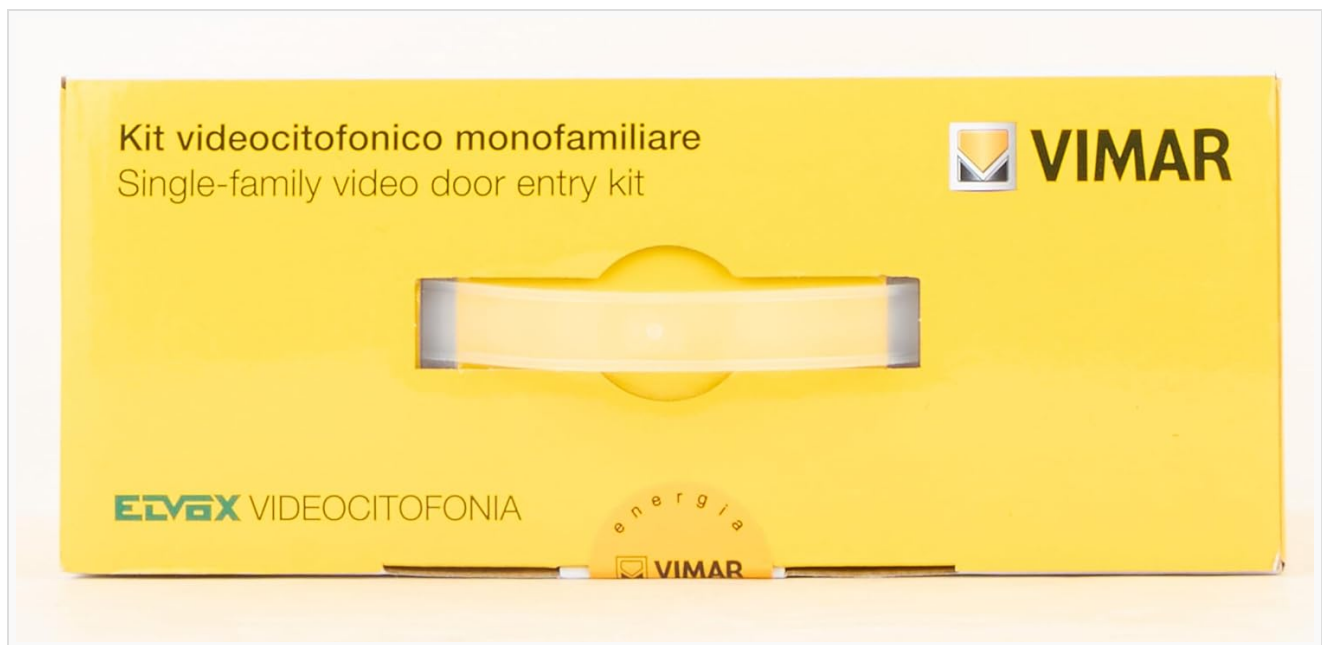


Figure 4.3: Wiring diagram and system overview from the product packaging. Refer to the detailed installation guide for specific wiring instructions.

5. OPERATING INSTRUCTIONS

This section details the functions and operation of your VIMAR video intercom system.

5.1 Monitor Functions (Elvox K40912)

The 7-inch LCD TFT display monitor features a capacitive-touch keyboard for various functions:

- **Talk/Listen:** Initiate and end conversations with visitors at the entrance panel.
- **Door Lock Release:** Remotely unlock the connected electric door lock.
- **Automated Gate Opening:** Activate automated gate systems (if connected).
- **Ringtone Mute:** Silence the incoming call ringtone.
- **Intercom Calls:** Make calls between multiple connected indoor monitors.

The monitor also includes an electronic ringtone with various melodies and controls for display brightness, contrast, and color settings.

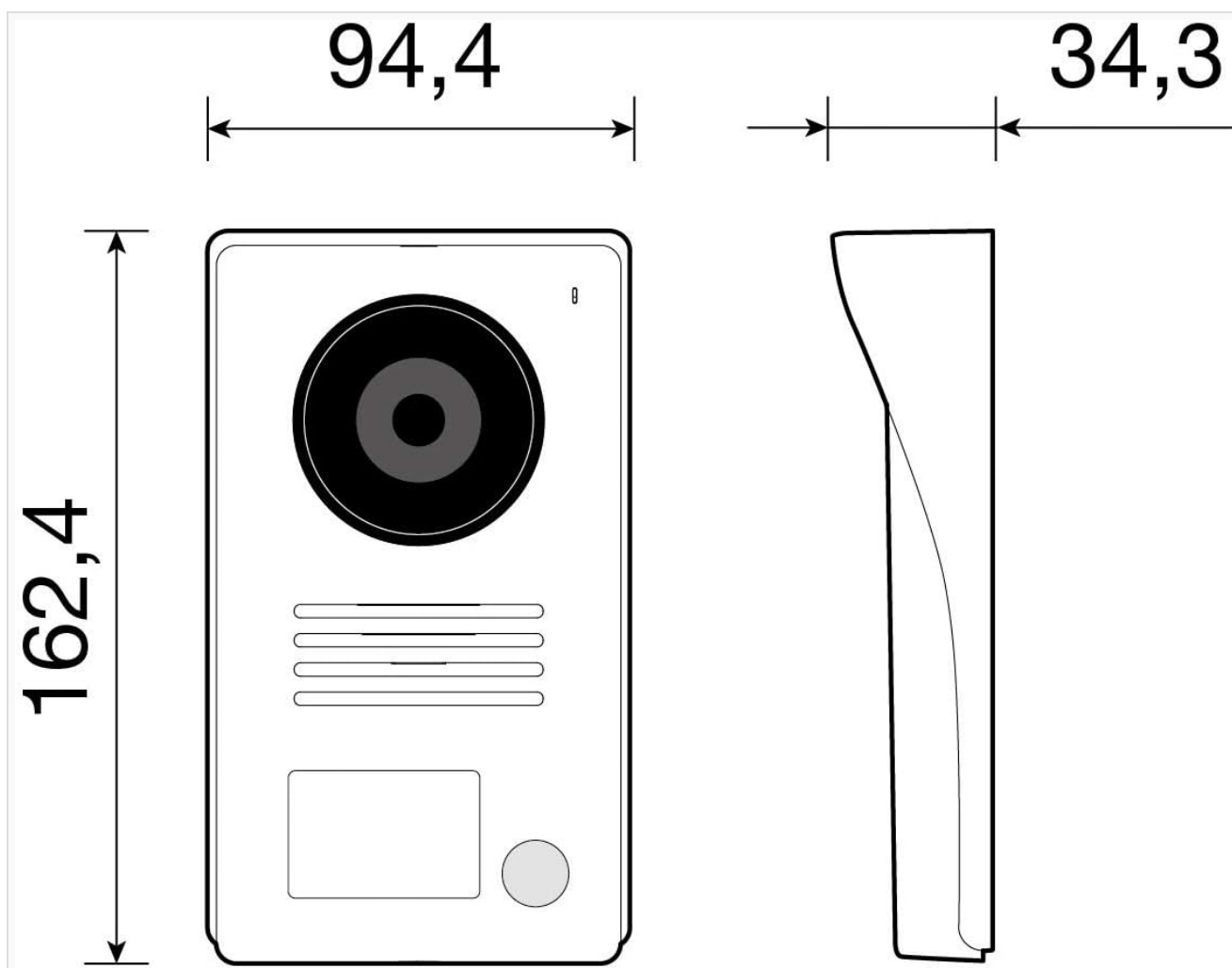


Figure 5.1: The monitor displaying a live video feed from the entrance panel camera.

5.2 Entrance Panel Functions (Elvox 40920 P1)

The entrance panel is equipped with a wide-angle camera (120° horizontal coverage, 1000 TV line resolution) and white LEDs for clear night vision. It features a single call button and a large backlit nameplate holder.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your video intercom system.

- **Cleaning the Monitor:** Use a soft, dry, lint-free cloth to clean the monitor screen and casing. For stubborn marks, slightly dampen the cloth with water. Avoid spraying liquids directly onto the monitor.
- **Cleaning the Entrance Panel:** Wipe the exterior of the entrance panel with a soft, damp cloth. Ensure the camera lens and LED lights are free from dirt and obstructions for clear visibility.
- **Inspections:** Periodically check all visible wiring for any signs of wear or damage. Ensure all connections remain secure.

7. TROUBLESHOOTING

If you encounter issues with your VIMAR video intercom kit, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No image on monitor	Power supply issue, loose wiring, camera obstruction, monitor settings.	Check power connection. Verify all wiring connections are secure. Ensure camera lens is clean and unobstructed. Adjust monitor brightness/contrast.
No sound or poor sound quality	Microphone/speaker obstruction, loose wiring, volume settings.	Check for obstructions on microphone/speaker grilles. Verify wiring. Adjust volume settings on the monitor.
Door lock not releasing	Incorrect wiring to door lock, faulty door lock, insufficient power.	Verify door lock wiring according to diagram. Test door lock independently if possible. Ensure power supply meets specifications for the lock.
Intercom calls not working	Incorrect monitor ID settings, wiring issues between monitors.	Check monitor ID settings as per installation guide. Verify wiring between all indoor monitors.

If the problem persists after attempting these solutions, please contact customer support.

8. SPECIFICATIONS

Detailed technical specifications for the VIMAR Video Intercom Kit:

Feature	Description
Model Number	K40910
Monitor (Elvox K40912)	7" Color LCD TFT (800x420 pixels), Hands-free, Capacitive-touch keypad
Monitor Dimensions (W x H x D)	205.2 mm x 128.1 mm x 20.9 mm
Entrance Panel (Elvox 40920 P1)	Metal surface mounting, Wide-angle camera (120° H), 1000 TVL resolution, White LEDs for night vision, 1 call button, Backlit nameplate holder
Entrance Panel Dimensions (W x H x D)	94.4 mm x 162.4 mm x 34.3 mm
Protection Rating (Panel)	IP44 (weather protection), IK07 (impact protection)
Operating Temperature (Panel)	-25°C to +55°C
Wiring	2-core non-polarized wire
Max. Distance (Panel to Monitor)	100m (with 2x1 mm ² cable)

Feature	Description
Expandability	Up to 3 monitors (K40912) per panel, up to 2 panels (40920 P1)
Compatible Door Lock	12VDC (2A for 0.5-10s) electric door lock (not included)



Figure 8.1: Monitor dimensions (in mm).

Kit videocitofonico monofamiliare Single-family video door entry kit

CONTENUTO DEL KIT
1 Targa da parete in metallo con pannello a specchio, 1 pulsante, grigio (cod. 40921.P1)
1 Videocitofono vivavoce 7" a colori, bianco
1 Adattatore multiplina o alimentatore barra DIN (vedi riferimento codice articolo riportato nell'etichetta d'imballo)
Accessori per montaggio a parete

KIT CONTENTS
1 Metal entrance panel for surface mounting with rainproof cover, 1 button, grey (code 40921.P1)
1 7" hands-free video entryphone, white
1 Multiplug adapter or DIN rail supply unit (see article reference on the package label)
Accessories for surface mounting

CONTENU DU KIT
1 Plaque de rue en métal pour pose en saillie avec parapluie, 1 bouton, gris (code 40921.P1)
1 Portier-video mains-libres 7", blanc
1 Adaptateur multi-câbles ou alimentateur pour barre DIN (voir code article sur l'étiquette de l'emballage)
Accessoires pour installation pour pose en saillie

CONTENIDO DEL KIT
1 Placa de pared en metal de superficie con marco antilluvia, 1 botón, gris (cod. 40921.P1)
1 Videoportero manos libres 7", blanco
1 Adaptador multi-cables o alimentador para rail DIN (ver la referencia del producto indicada en la etiqueta del embalaje)
Accesorios de instalación de superficie

SET-INHALT
1 AP-Metal-Klingeltabelle mit Regenschutz, 1 Taste, grau (Code 40921.P1)
1 Freisprech-Videohauselefon 7", weiß
1 Mehrfachstecker-Adapter oder Netzgerät auf DIN-Schiene (Siehe Produktbezeichnung auf dem Verpackungsetikett)
Zubehör für AP-Einbau

ΠΕΡΙΕΧΟΜΕΝΟ ΚΙΤ
1 Επιστρώμα μεταλλικό με προστασία από τη βροχή, 1 πλήκτρο, γκρι (κωδ. 40921.P1)
1 Συνομιλητήριο ορατότητας, ακρόασης, χρώματος λευκού 7", λευκό
1 προσαρμογέας πολλαπλών τερματών ή τροφοδοτικό ραγών DIN (βλ. κωδικό προϊόντος που αναγράφεται στην ετικέτα της συσκευασίας)
Αksesuaria για monitopos ston toiko

CONTENIDO DEL KIT
1 Placa em metal com proteção para chuva, 1 botão, cinzento (cod. 40921.P1)
1 Videoportero alta-voz 7" a cores, branco
1 Adaptador multi-ficha ou alimentador de barra DIN (ver a referência do código do artigo indicada no rótulo de embalagem)
Acessórios para montagem na parede

DATI
Kit videocitofono per collegamento di targa e videocitofono con scil 2 fili con comando elettronico autoalimentato, comando a rete 2 A 12 Vdc regolabile da 0,5 a 10 s per servizio ausiliario, installazione a parete.
Targa in metallo pressofuso IP44 e ICOT con cornice pannello e porta etichetta retroluminata, con possibilità di collegare una telecamera TVCC aggiuntiva (cod. 40CAM.1369.B). Il kit è espandibile con l'aggiunta di altri 2 videocitofoni e 1 targa. Alimentazione 110-240 Vac 50/60 Hz. Il monitor è alimentato da adattatore multiplina o in alternativa da alimentatore barra DIN (vedi riferimento codice articolo riportato nell'etichetta d'imballo).

DATA
Surface mounting video entryphone kit for connection using just 2 wires, with self-powered electric lock control, 2 A 12 Vdc, adjustable from 0.5 to 10 s, for auxiliary services. IP44 and ICOT die-cast metal entrance plate with rainproof frame and backlit name tag, possibility of connection additional CCTV camera (code 40CAM.1369.B). The kit can be expanded with the addition of 2 video entryphones and 1 entrance plate. Supply voltage 110-240 Vac 50/60 Hz. The monitor is supplied of multi-plug adapter or DIN rail power unit (see article reference on the package label).

DONNÉES
Kit portier-video pour la connexion avec 2 fils et commande d'électroverrou autoalimentée, commande à réseau 2 A 12 Vdc réglable de 0,5 à 10 s pour service auxiliaire installation pour pose en saillie.
Plaque en métal moulé sous pression IP44 et ICOT avec cadre anti-pluie et porte-étiquettes rétroéclairées, possibilité de connexion caméra CCTV supplémentaire (code 40CAM.1369.B). Le kit peut être étendu à 2 moniteurs et 1 plaque. Alimentation 110-240 Vac 50/60 Hz. Le moniteur est alimenté avec adaptateur multi-câbles ou alimentateur pour barre DIN (voir code article sur l'étiquette de l'emballage).

DATOS
Kit de videoporteros para conexión con 2 hilos y mando electrónico autoalimentado, mando de red 2 A 12 Vdc regulable de 0,5 a 10 s para servicio auxiliar, montaje de superficie. Placa de metal fundido a presión IP44 e ICOT con marco antilluvia y porteo retroluminado, posibilidad de conexión cámara CCTV adicional (cod. 40CAM.1369.B). El kit se puede ampliar con otros 2 porteros y 1 placa. Alimentación 110-240 Vca 50/60 Hz. El monitor está alimentado con adaptador multi-cables o con alimentador para rail DIN (ver la referencia del producto indicada en la etiqueta del embalaje).

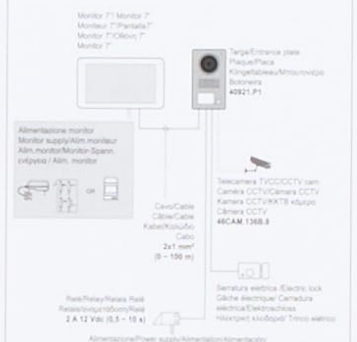
DATEN
AP-Videoeinrichtungsset für den Anschluss mit 2 Drähten und Steuerung für eigenversorgtes Elektroverröhr. Releaseleistung 2 A 12 Vdc von 0,5 s bis 10 s einstellbar für Zusatzfunktion: Klingeltabelle aus druckgepresstem Metall IP44 und ICOT mit Regenschutz und hinterleuchteten Namensschilder. Anschlussmöglichkeit einer zusätzlichen TVCC Kamera (code 40CAM.1369.B). Das Set kann mit 2 weiteren Videoportieranlagen und 1 Klingeltabelle erweitert werden. Spannungsversorgung 110-240 Vac 50/60 Hz. Der Monitor wird über einen Mehrfachstecker-Adapter oder DIN-Schiene-Netzteil (siehe Art.Nr. am Verpackungsetikett) versorgt.

ΔΕΔΟΜΕΝΑ
Kit Videoportieros gia enallakti tis pmonitopos, ka tis hupomnolopos, me ylio 2 xalobes ka llogos eletronikos autoalimentados, komando me red 2 A 12 Vdc, efthodizimos em 0,5 s bis aug 10 s, per servizo auxilario, montazje de superficie. Placa de metal fundido a pressao IP44 e ICOT, com cornico antilluvia e porteo retroluminado, possibilidade de conexao camera CCTV adicional (cod. 40CAM.1369.B). O kit e expandivel com outros 2 videoporteros e 1 placa. Alimentacao 110-240 Vac 50/60 Hz. O monitor e alimentado por adaptador multi-ficha ou, como alternativa, por alimentador de barra DIN (ver a referencia do codigo do artigo indicada no rotulo de embalagem).

DADOS
Kit de videoporteros para ligação de botoneira e 2 videoportos (1 por cada botão) com apenas 2 fios com comando para tranco eletro auto-alimentado, comando de rede 2 A 12 Vdc regulável de 0,5 a 10 s para serviço auxiliar, instalação na parede. Botoneira em metal fundido IP44 e ICOT com anel de proteção para chuva e porta-etiquetas retroluminadas, com possibilidade de ligar uma câmara CCTV adicional (cod. 40CAM.1369.B). O kit é expandível com outros 2 videoportos (2 por cada botão) e 1 botoneira. Alimentação 110-240 Vac 50/60 Hz. O monitor pode ser alimentado por adaptador multi-ficha ou, como alternativa, por alimentador de barra DIN (ver a referência do código do artigo indicada no rótulo de embalagem).



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Il kit importante possono essere collegati monitor dello stesso tipo (base o touch screen) oppure misti (base e touch screen).
L'alimentazione da barra DIN è fornita anche come accessorio supplementare (cod. 42103).
A single system can comprise monitors of the same type (standard or touch screen) or a combination (standard and touch screen).
The DIN rail power supply is also supplied as an additional accessory (code 42103).
Dans une installation, il est possible de connecter des moniteurs de même type (base ou écran tactile) ou mixtes (base et écran tactile).
L'alimentation sur barre DIN est fournie comme accessoire supplémentaire (code 42103).
En una instalación se pueden conectar monitores del mismo tipo (base o pantalla táctil) o bien mixtos (base y pantalla táctil).
El alimentador para rail DIN se suministra también como accesorio adicional (cod. 42103).
In einer Anlage können Monitore gleichen Typs (Basis oder Touchscreen) oder Kombinationen davon (Basis und Touchscreen) angeschlossen werden.
Das DIN-Schiene-Netzteil ist auch als Zusatzzubehör erhältlich (Code 42103).
O conjunto pode ser formado por videoportos do mesmo tipo (base ou ecrã tátil) ou mistos (base e ecrã tátil).
O equipamento em barra DIN também é fornecido como acessório adicional (código 42103).
Um sistema podem ser ligadas monitores do mesmo tipo (base ou touch screen) de mistos (base e touch screen).
O alimentador de barra DIN também é fornecido como acessório suplementar (cod. 42103).

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Figure 8.2: Entrance Panel dimensions (in mm).

9. WARRANTY AND SUPPORT

VIMAR products are manufactured to high quality standards. This product comes with **3-year warranty** from the date of purchase, covering manufacturing defects.



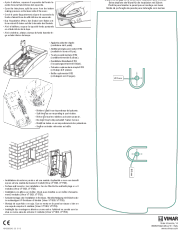


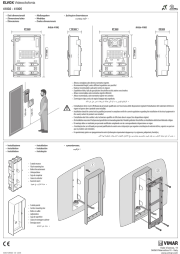
For technical assistance, troubleshooting, or warranty claims, please contact VIMAR customer support.

- **Customer Support Phone:** 0424 488 500 (for Italy)
- **Manufacturer:** VIMAR
- **Product UPC:** 8013406306241



Figure 9.1: Warranty information displayed on the product packaging.

Figure 9.2: Customer support contact information on the product packaging.

 <p>VIMAR</p> <p>ELVOX 5555</p> <p>ELVOX Videocitofonia</p>	<p>Vimar ELVOX 5555 Video Distributor Installation Guide</p> <p>Comprehensive installation guide for the Vimar ELVOX 5555 video distributor, detailing wiring diagrams, power supply options, technical specifications, and compliance information for video intercom systems.</p>
 <p>VIMAR</p> <p>ELVOX Videocitofonia</p>	<p>Vimar K42947/K42957: Manuale Utente Sistema Videocitofono Wi-Fi</p> <p>Scopri il manuale utente per il sistema videocitofono Vimar K42947 e K42957. Dettagli su monitor touch screen da 7 pollici, connettività Wi-Fi, app "View Door", installazione e funzionalità multilingue per la tua sicurezza domestica.</p>
 <p>VIMAR</p> <p>ELVOX Videocitofonia</p>	<p>Vimar 62K4 Elvox Videocitofonia Installation Instructions</p> <p>Detailed installation instructions and wiring diagram for the Vimar 62K4 Elvox Videocitofonia (video door entry system). Covers mounting, connections, and compliance information.</p>
 <p>VIMAR</p> <p>ELVOX Videocitofonia</p>	<p>VIMAR ELVOX Tab 7509/7509/D Entryphone User Manual</p> <p>Comprehensive user manual for the VIMAR ELVOX Tab 7509 and 7509/D entryphone. This guide details product description, button functions, signaling, operation, user configurations, installer settings, and regulatory information.</p>
 <p>VIMAR</p> <p>ELVOX Videocitofonia</p>	<p>Vimar Tab 7509, 7509/D Entryphone User Manual</p> <p>User manual for the Vimar Tab 7509 and 7509/D entryphones, detailing their functions, configurations, and operation within the Due Fili Plus system.</p>
 <p>VIMAR</p> <p>ELVOX Videocitofonia</p>	<p>VIMAR ELVOX 41002-41005 Video Intercom System Installation and Technical Guide</p> <p>Comprehensive guide for installing and configuring VIMAR ELVOX 41002-41005 video intercom units, detailing dimensions, assembly, technical specifications, wiring, and compliance.</p>

