VDS

FERMAX

SMILE Touch Monitor

INSTALLATION AND PROGRAMMING MANUAL

AVANCED MANUAL

Installation and programming manual of the SMILE TOUCH MONITOR.

This manual includes the basic instructions for the installation, programming and start-up of the SMILE touch monitor.

Code 97890Ib V09_18

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SMILE Monitor

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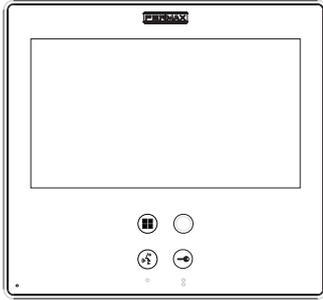
Lock Releases / Call Guard Unit Button.

1. *In conversation, press to open the door.*
2. *In standby, call to guard unit (if applicable).*

Button Menu: Adjustments and configuration

1. Press for 3 seconds to access the installer and ring tone menu.
2. By short-pressing (less than 1 second) we access the shortcut buttons.

Audio and Hang-up Activation Button

1. *Upon receiving the call, to talk press* (you have 30" to pick-up, during this time the button will blink blue)*.*

   When the audio channel is opened(the button will light up a constant blue)*. It operates hands-free* (by default).

2. *Press to end communication* (the button turns off) *or wait to end the 90 second timer.*

Wildcard button: Auto-Start / Main-Secondary Camera Selection (default)

Note: Another function can be programmed.

1. *In standby, press for 1 second to manually start the video,* (to activate audio press the audio activation button).

   With video, press and hold this button for 2 seconds to sequentially select between the main camera and the secondary camera (where one exists).

Inductive loop label

1. *Function available depending on the model*

Note: With inductive loop, they are identified with a label.

1.1 TOUCH SCREEN 7", BROWSE BUTTONS AND LED

The screen is deactivated by pressing the off button or automatically after 60 seconds without activity.

The monitor´s touch screen displays the options with graphic icons.

You can browse through the icons and select them by pressing the on-screen buttons.

A led icon can be displayed in the monitor´s frame or button lights (depending on the functions), for additional indications of activated status and functions. These icons are only visible when the LED is on.

Default functions
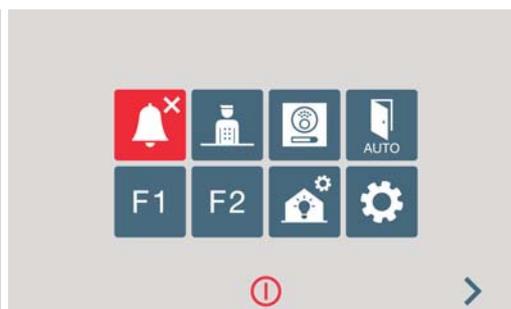
Default functions on monitors with home automation
(function available depending on the model)
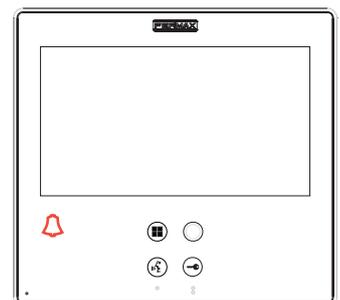
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Call capture

Home automation

1.3. SHORTCUT BUTTONS

The short-cut buttons menu is accessible via a short-press of the MENU button from the following status:

- Standby

- Only Video and

- Conversation ⎤ Re-press a short press on the MENU
button to access the shortcut button
⎦ screen.

Default functions

1.4 ENABLE FUNCTIONS

The installer may enable determined functions that are not enabled by default.

Within the FUNCTIONS options, these are enabled by default as a screen sample.

- **X:** Enabled as shortcut buttons. Maximum 4 functions

- **O:** Enabled as shortcut button and for the menu. Only 1 function.

- **M:** Enabled for the menu. All functions

ALL AVAILABLE FUNCTIONS MAY BE ENABLED IN ANY MODE.

Note:

- *The wildcard button by default is for auto-start.*

Functions and Shortcut buttons. buttons

1.5 SAVING AFTER CHANGING SCREENS OR RESET

After changing the screens and exiting the installer and user menus, the monitor returns to standby mode (or by exiting manually), and in this status saves the changed parameters and performs the screen changes relative to the entered configuration.

The saving process on the monitor is indicated with the blinking do-not-disturb led and the lock-release, audio activation and wildcard buttons.
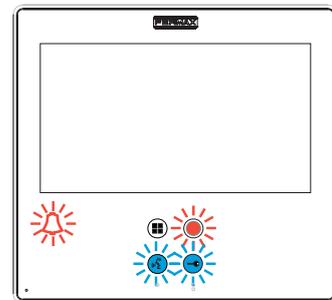
1.6 MENU BUTTON FUNCTIONS TABLE BY TIME PRESSED

⊞	For 3 seconds	press the installer and ring tone menu	
	Short press the (for under 1 second)	shortcut buttons	
	Press between 1 and 3 seconds	turn off aerial CCTV camera	
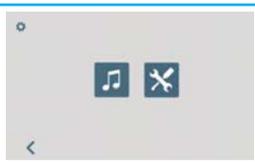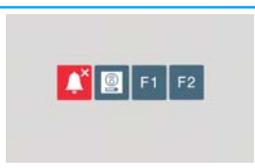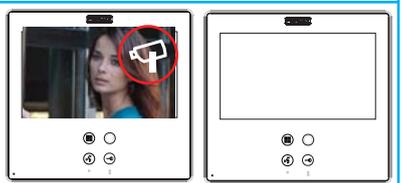
2. FUNCTIONS AVAILABLE ON THE MONITOR

Below we will discuss all of the functions on the monitor.

2.1 DO NOT DISTURB (Cancel ring tone)

Function for deactivating the ring tone. With this mode active, the do not disturb mode led is on and we if we receive a call, the audio LED will flash and the screen image appears.
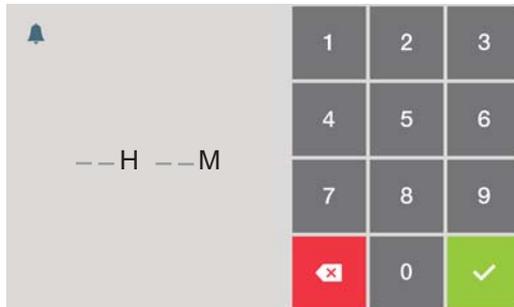
**Led
Do not disturb mode
activated**
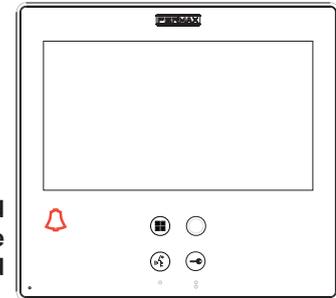
Note:

- To exit do not disturb mode:
  o By pressing the shortcut button.
  o Selecting the option on the menu.
  o When the programmed time has passed.

- From the installer menu you can configure the call extension mode to activate it, when the monitor receives a call. **See chapter:** *2.9 Installer / Parameter Configuration / Auxiliary device activation menu with do not disturb mode activated.*

2.2 CALL GUARD UNIT

Function to call the guard unit (if there is one), via the lock-release button (default configuration), when the monitor is in standby.
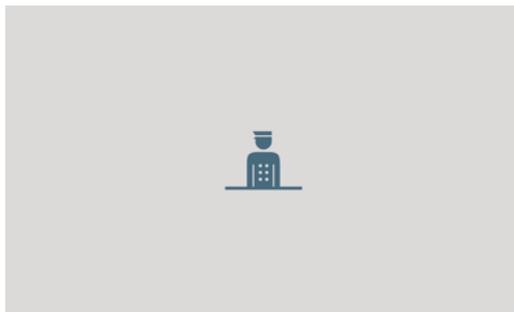
When we make a call and it is confirmed by the Guard unit, an image is activated indicating that the call is in process.

If after 15'' there is no response from the Guard Unit, the monitor will show a message indicating that the Guard Unit is busy, that it has registered the call and it will answer it when available.

Note:

- As already explained in **Chapter** *1.4 Enabling functions, you can assign a different button to the Guard Unit: shortcut button, wildcard or menu, but if you assign the shortcut button or wildcard button, then the LOCK-RELEASE button will never call the Guard Unit.*

2.3. AUTO-START

Function for activating the panel camera.

Auto-start can be performed:

o Wildcard button. With the monitor on standby, press and hold the wildcard for 1 second to switch the monitor on manually. With video, press and hold this button for 2 seconds to sequentially select between the main camera and the secondary camera (where one exists).

o Shortcut button.

o Menu button.

All of these are programmed by default.

Notes:

- *If the channel is busy an error tone "BEEP" will be generated and auto-start will not activate.*

- *The auto-start function is always used on the main panel except where a call is received on the secondary panel. Once the conversation is over, auto-start will activate on the secondary panel for 30 seconds. After this time it will activate on the main panel.*

2.4 DOORMATIC MODE

This function allows you to open the door automatically when you receive a call. After 3'' from receiving the call, the lock-release is activated on the panel that called, with the corresponding icon displayed on the screen.

Default programmed function.

With this mode activated, the lock-release button flashes to indicate it.

Doormatic Mode Activated

On-screen icon information
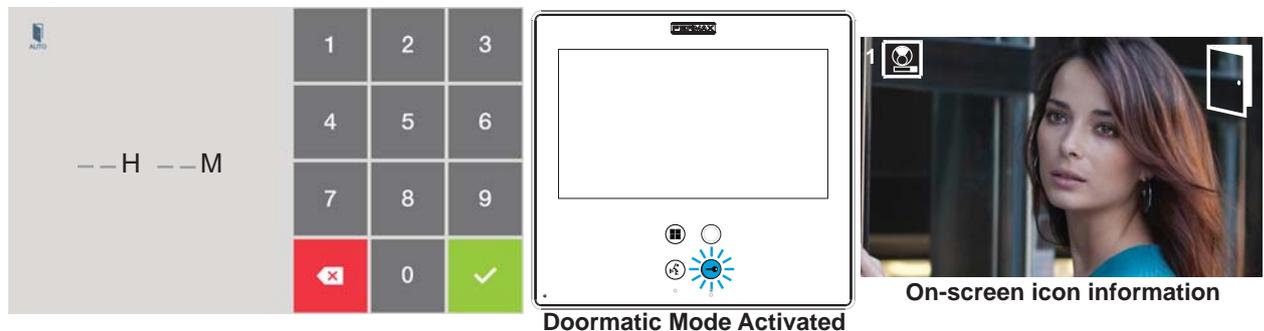
Notes:

- *While activated, it will deactivate (depending on how its programmed):*
  - *o By pressing the shortcut button.*
  - *o Selecting the option on the menu.*
  - *o When the programmed time has passed.*

- *You can activate this mode automatically if you connect a timer to the doorbell´s corresponding terminal. When the timer closes the circuit, the monitor will generate a ring tone, if after 30" the entrance is still active, then the monitor passes to doormatic mode. We exit this mode when we re-open the entrance.*

F1

2.5 F1 FUNCTION

The F1 function and F1 terminal have the option of configuring its operating mode in two ways when the monitor is integrated in an MDS Digital system (along with the corresponding MDS/VDS decoder):

- Sending a negative (exit) or
- Panic call to MDS guard unit (entrance).

F1 ON

Sending a negative (exit). Activate MDS sensor.

This function/terminal is initially configured, by default, as an exit and sends a negative.

The exit remains active for 5 seconds.

The screen notifies of the action: F1 ON.

SOS

Panic call to MDS guard unit (entrance)

When the Panic Call is enabled on terminal F1, it automatically changes its entrance status.

An external button can be installed to send a Panic Call.

Upon pressing the external or corresponding button on the monitor, the command is sent via the bus, and you hear a "beep" on the monitor and you view an SOS on the screen.

Notes:

- *These functions are exclusive.*
- *The panic button is connected between the terminals F1 and -.*

F2

2.6 F2 FUNCTION

The F2 function mainly acts as an output and sends a negative.

F2 ON

The exit remains active for 5 seconds.

The screen notifies of the action: F2 ON.

Note:

- *You can configure the F2 terminal to activate itself with the door open. **See chapter:** 2.9 Installer Menu / Parameter configuration / F2 Activation with door open.*

⚙

2.7 CONFIGURATION MENU

⚙
♫ 🛠
‹
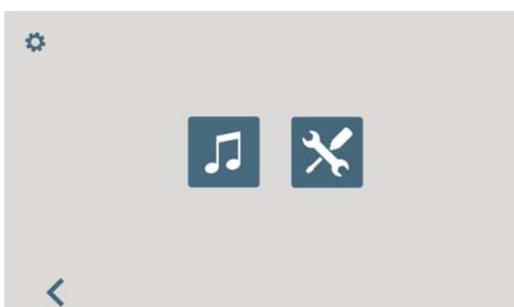
The configuration menu accesses the following functions:

- Ring tones ♫

- Installer menu 🛠

2.7.1 Ring tones

A function that allows you to select the ring tone for each type of call.

The selected ring tones sound

Main panel ——— 5 ✔

Secondary panel ——— 3

Doorbell ——— 4

Decrease/increase volume

Volume settings

Continuous mode (the ring tone sounds 3 times). Selected ✔
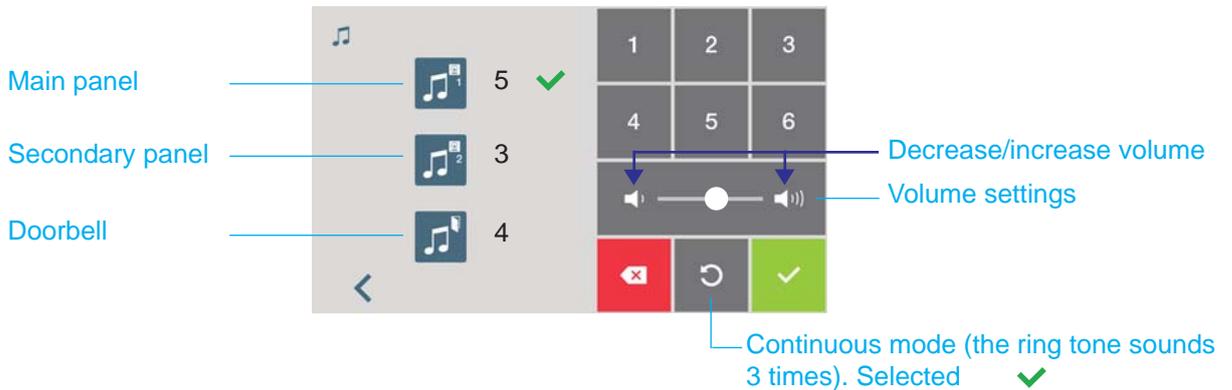
2.7.2 Installer Menu

Menu for the installer to configure the different functions according to the installation´s needs.
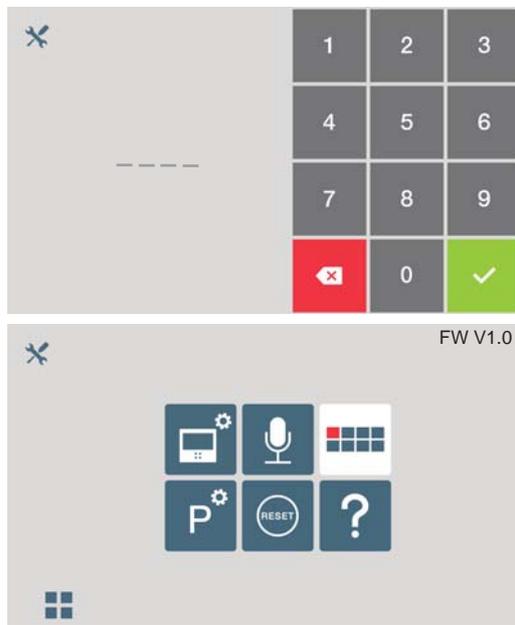
Entering the code to access the installer menu (by default 1111).

FW V1.0

Installer menu functions:

a) Accessing programming: Monitor / Call capture / Installer code.

b) Conversation mode.

c) Configuration of functions assigned by the menu, shortcut or wildcard button.

d) Parameter configuration.

e) Reset.

f) Help.

a) Accessing programming

Function that allows you to configure the monitors addresses (VDS call), call capture (secondary address) and installer code.

1. Programming from:
   - Monitor
   - Panel

001

2. Programming the call capture from:
   - Monitor
   - Panel

3. Installer programming code

1111
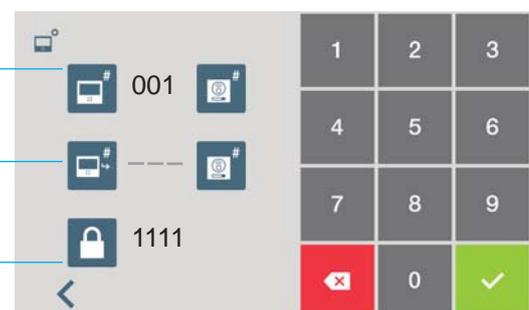
a1) Programming from:

- Monitor

Enter the monitor's address. Call range for VDS from 1...199.

- Panel

Upon pressing, a screen confirms the option and you hear a beep on the monitor, and automatically the monitor connects with the street panel, activating the camera (an icon appears on the upper corner of the street panel). Enter the calling code for this monitor from the panel. A different call tone sounds, confirming the monitor´s programming. After a few seconds the monitor returns to standby.

Master panel
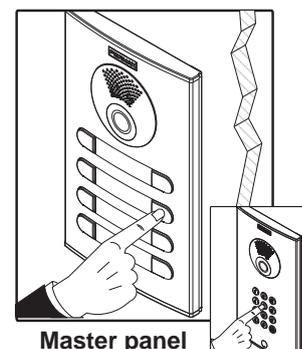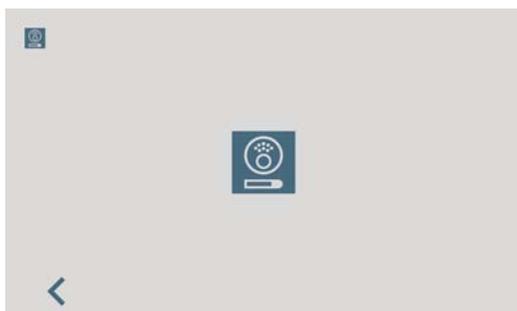
< 2 and half minutes

Note:

- *If the monitor is not programmed, the wildcard button flashes (red). It stops flashing when it is programmed.*

a2) Programming the call capture from:

This function is to call forward (capture) to another residence, in order to be able to attend to the call from another location. The call is received in both monitors and the first to answer does not allow the other to intercept the communication. The monitor being forwarded (captured) to displays an icon on the screen indicating that the call is a forwarded call.

Note:

- *This function must be enabled by the installer and selected by the user.*

*To enable it by the installer, **see chapter:** 2.9 Installer menu/ Function configuration / Call capture.*

Selected 🟢

- Monitor

Enter the monitor's address. Call range for VDS from 1...199.

- Panel

Upon pressing , a screen confirms the option and you hear a beep on the monitor, and automatically the monitor connects with the street panel, activating the camera (an icon appears on the upper corner of the street panel). Enter the calling code for this monitor from the panel. A different call tone sounds, confirming the monitor´s programming. After a few seconds the monitor returns to standby.

master panel

< 2 and half minutes
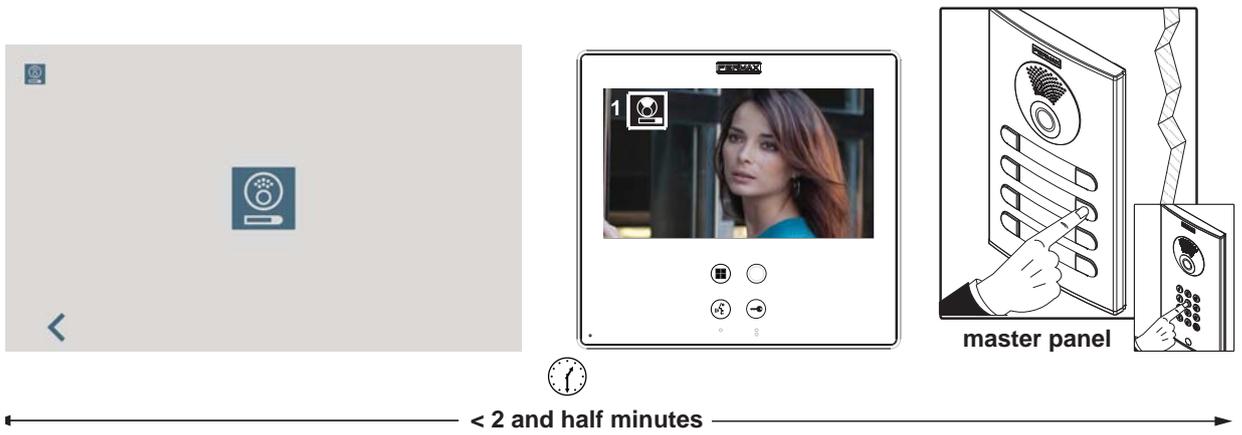
a3) Programming installer code

Function for changing the installer code.

b) Conversation Mode

Menu to select the conversation mode (hands free mode, by default).

Simplex mode: press to talk and release to listen to the audio activation button.

simplex

✔ selected function

This function automatically opens audio after receiving a call *If there are several monitors in the same home, only one will have this function activated.*

Note:

- In "simplex" mode, upon receiving a call, the blue led on the audio button flashes, (short press to hand-up) and to operate press the button to talk and release to listen. The input channel volume is always adjustable during the conversation.
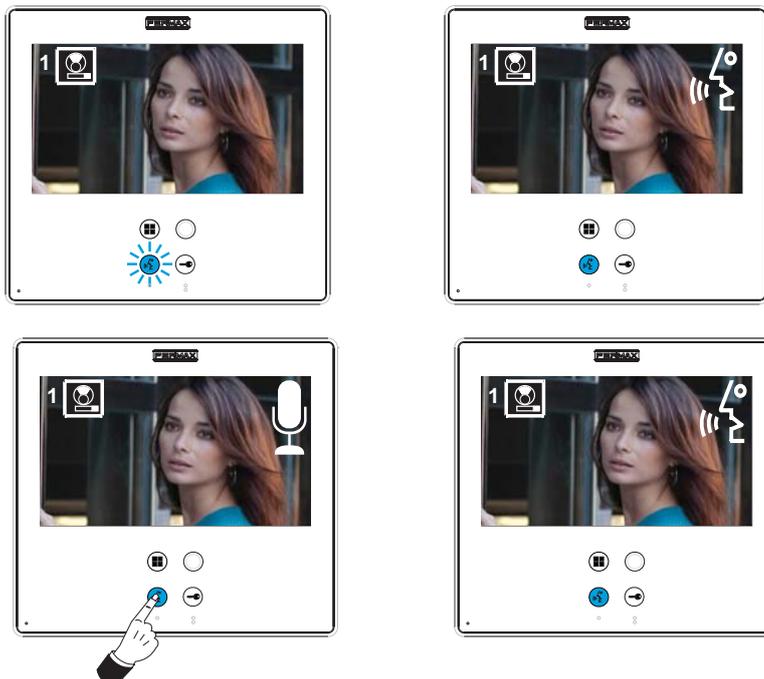
c) Configuration of functions assigned by the menu, shortcut or wildcard button.

The installer may enable determined functions that are not enabled by default.

Within the FUNCTIONS options, these are enabled by default as a screen sample.

- **X:** Enabled as shortcut buttons. Maximum 4 functions
- **O:** Enabled as shortcut button and for the menu. Only 1 function.
- **M:** Enabled for the menu. All functions

ALL AVAILABLE FUNCTIONS MAY BE ENABLED IN ANY MODE.

Note:

- *The auto start function will appear as a shortcut button, however, this function is also available as a wildcard; having auto-start in both is an exception made for recently manufactured monitors.*

Functions and default shortcut buttons
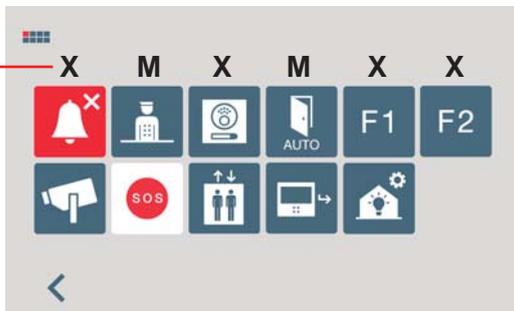
c1) Do not disturb mode.
c2) Call to guard unit.
c3) Auto-start.
c4) Doormatic mode.
c5) F1 function
c6) F2 function
c7) Activation of the aerial camera
c8) Panic call *(Chapter 2.5 F1 function).*
c9) Elevator control (activating the sensor).
c10) Call capture. *(Chapter 2.7.2 / a) Access to programming).*
c11) Automation

c1) Do not disturb mode *(see **chapter** 2.1).*

c2) Call to guard unit, *(see **chapter** 2.2).*

c3) Auto-start, *(see **chapter** 2.3).*

c4) Doormatic mode *(see **chapter** 2.4).*

c5) F1 Function, *(see **chapter** 2.5).*

c6) F2 Function, *(see **chapter** 2.6).*

c7) Activation of the aerial camera (CCTV)

There is the option to connect an external analogue camera to the monitor and use it as a CCTV image. This camera´s image appears on the monitor when we select the CCTV function.

When the auxiliary video input is activated, the CCTV icon is displayed on the monitor´s screen indicating that it is the CCTV.

The image remains active for an indefinite period. The CCTV function is deactivated by pressing the menu button for 1 to 3 seconds.

Note:

- *It can be configured so that when a call is made by the doorbell, the auxiliary video input is automatically activated. **See chapter:** 2.9 Installer Menu / Parameter configuration / Activation of camera with doorbell.*

- *This function is not available at Dominium models*

c8) Panic call, *(see **chapter** 2.5 F1 function).*

c9) Elevator control (activating the sensor).

Upon pressing the elevator control function, we send an MDS-VDS ref. 2409 decoder command, this command will be interpreted by the decoder (in future versions). Not available on current decoders.

The decoder will send an activation command to the Central MDS unit, which may set off various actions depending on the CU configuration.

Upon pressing the elevator control function, this screen is displayed.

c10) Call capture *(see **chapter** 2.7.2 / a) Access to programming).*

c11) Automation *(available depending on the model).*

To access the home automation functions.

d) Parameter configuration.

The installer may enable determined parameters that are not enabled by default.
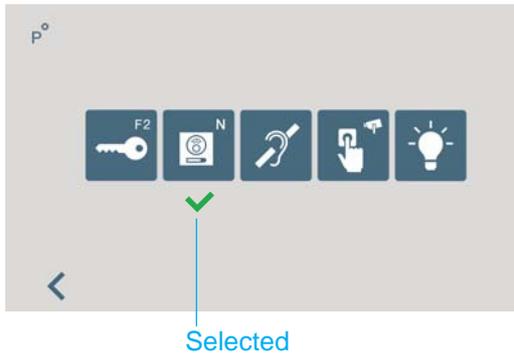
e1) Activation F2 with door opening

e2) Call identification (panel number).

e3) Inductive loop.

e4) Activation of the aerial camera with doorbell

e5) Activation of auxiliary devices with do not disturb mode

Selected

d1) Activation F2 with door opening.

Function that allows you to associate the F2 exit (sends a negative), when the lock-release command is activated during a call or conversation, (during the time that the lock-release button is pressed).

d2) Call identification (panel number).

A function that indicates the panel from which the call has been made. This option by default is activated.
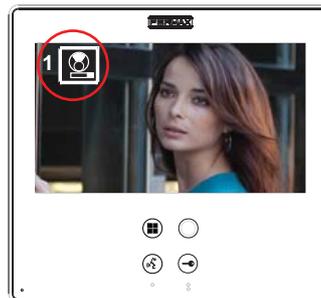
d3) Inductive loop.

A function that allows for the activation of the inductive loop. Function available depending on the model

With inductive loop. They are identified with a blue label.

It includes a hearing loop that interacts with auditory devices for the hearing impaired.

Note:

- *For hearing devices with manual selection modes, these should be configured in Digital Mode.*

d4) Activation of the aerial camera (CCTV) with doorbell.

A function that allows you to associate the doorbell with the activation of a timer for 30 seconds of an auxiliary video input.

You can see the CCTV icon on the monitor´s screen, indicating that it is a CCTV.

Note:

- *If you have a motion detector, this can be connected to the doorbell so that any time the camera detects a person it generates a ring tone and activates the video.*

- *This function is not available at Dominium models.*

d5) Activation of auxiliary devices with do not disturb mode.

A function that allows you to listen to the call extension output tone, light and ring tone activator... etc, even if in do not disturb mode when the monitor receives a call.

Indicator LED
Do not disturb mode
activated
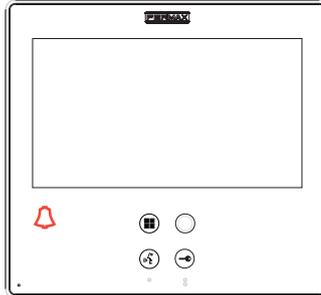
d) Reset

A function that allows you to reset the monitor.

Reset to the default configuration
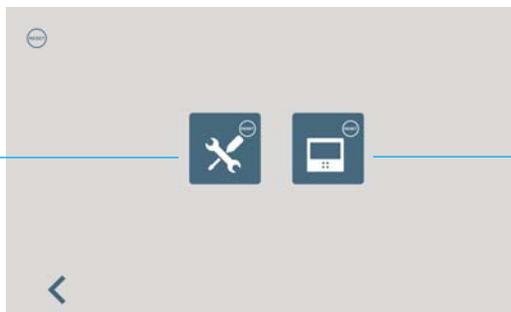
Reset to the default configuration, deleting the monitor´s programmed address

f) Help

A function that allows you to access information on the Smile monitors via the QR code: manuals, related products, catalogues, brochures...etc.

3. MONITOR SETTINGS: VIDEO AND AUDIO

3.1. VIDEO SETTINGS: Brightness - Contrast - Colour

The monitor allows you to adjust brightness, contrast and colour while you have received a call or performed an auto-start. Short-press the **MENU** button and a menu appears on the screen to adjust the audio.

Exit   Contrast   Brightness   Colour
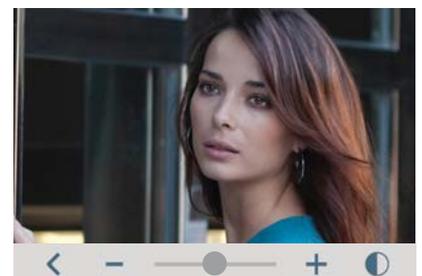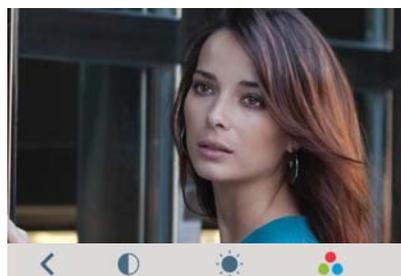
3.2 AUDIO SETTINGS

While the audio channel is open the audio´s volume can be regulated via a contextual menu on the screen (along with the informative videos in the previous chapter). With a short press of the **menu** button it appears to select the audio and video settings.

Contrast Brightness Colour

Exit Mute Adjustments audio volume
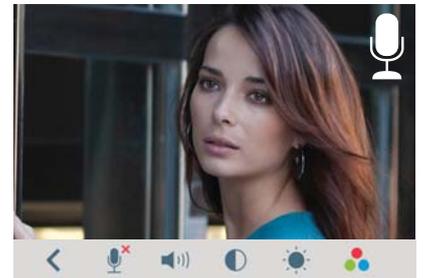
Mute: function eliminate the noise (output). When activated, the icon will disappear from the upper right of the screen.

Note:

- *The display of the settings menu can be set by time (60 seconds) or manually via the menu.*

4. TECHNICAL CHARACTERISTICS

Power supply		18 Vdc
Consumption		home automation mode
standby	45 mA	190 mA
audio + video	720 mA	870 mA
audio + video with inductive loop		1050 mA
in menu	450 mA	570 mA
Operating temperature	-5, +40 °C	
Humidity	5% - 95%	
7" touch screen		

5. MONITOR SIZE

Measurement in mm.

FLUSH-MOUNTED

196

209

4,5
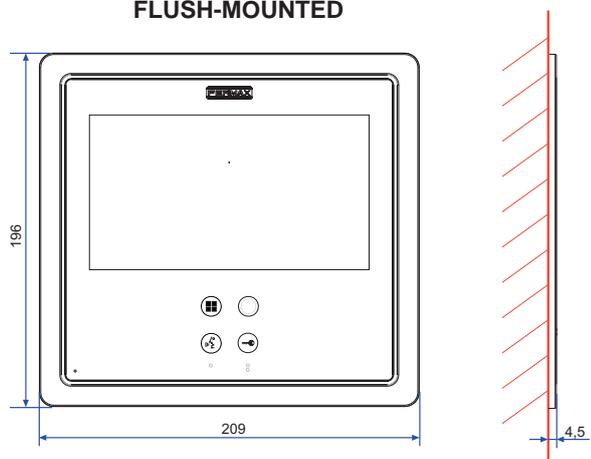
Dimensions of flush-mounted Fermax box ref. 6551: 186 x 198 x 46 mm (Height x Width x Depth.)

SURFACE

172

185

21
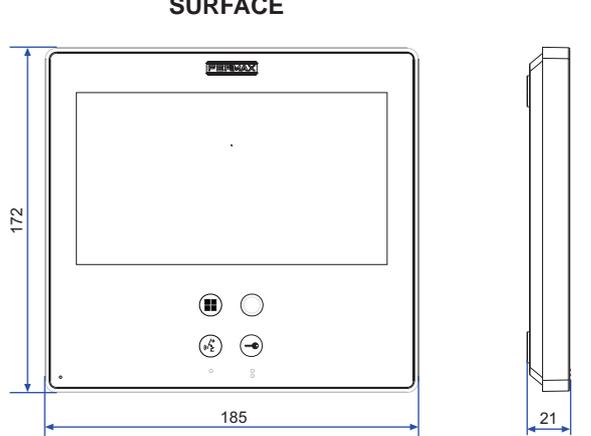
Note:

- *Does not require decorative frame, (see installation).*

6. INSTALLING THE MONITOR

6.1 EMBEDDED

7"

1.60m
5.25 feet

6.2 SURFACE

1.60m
5.25 feet
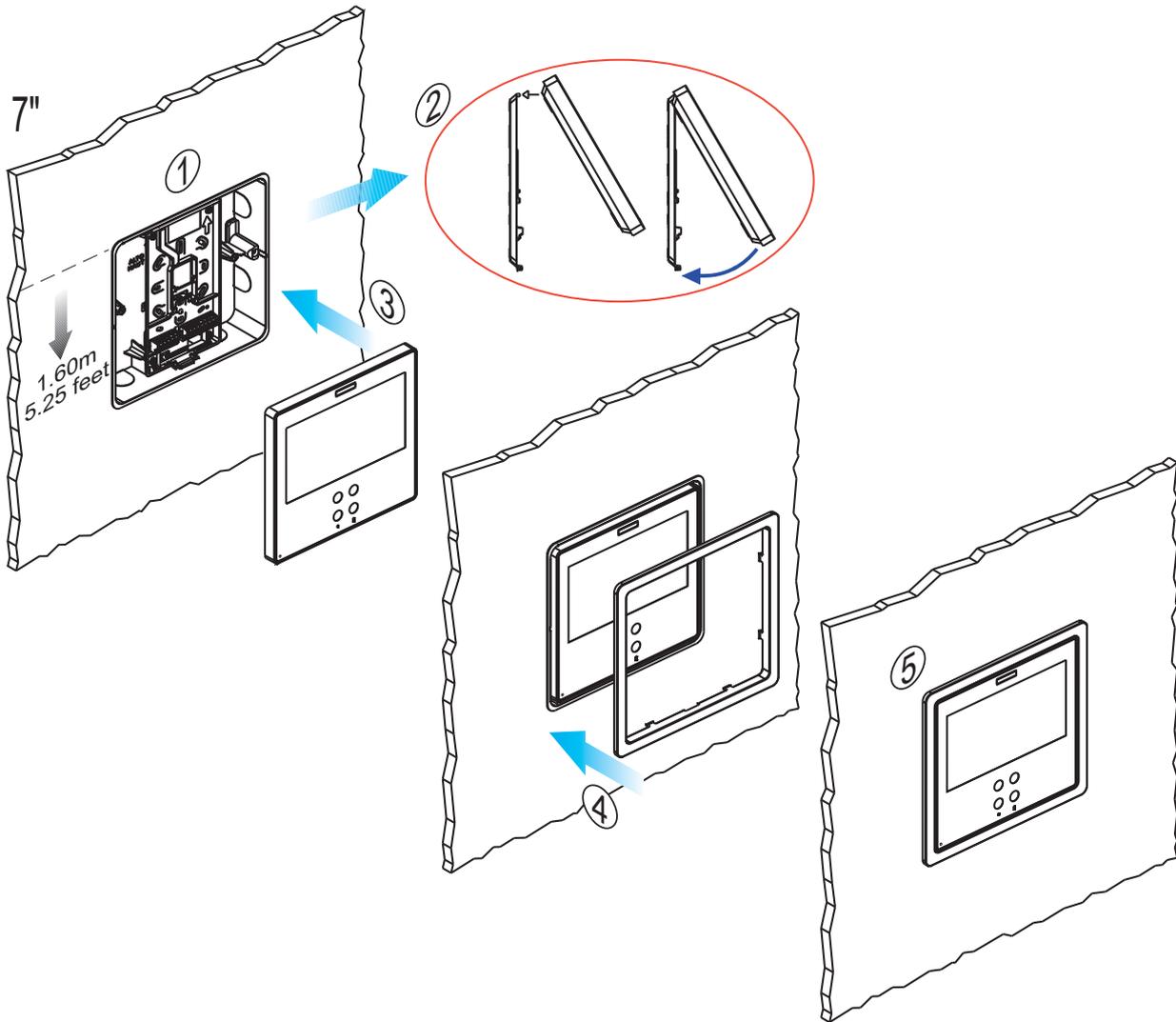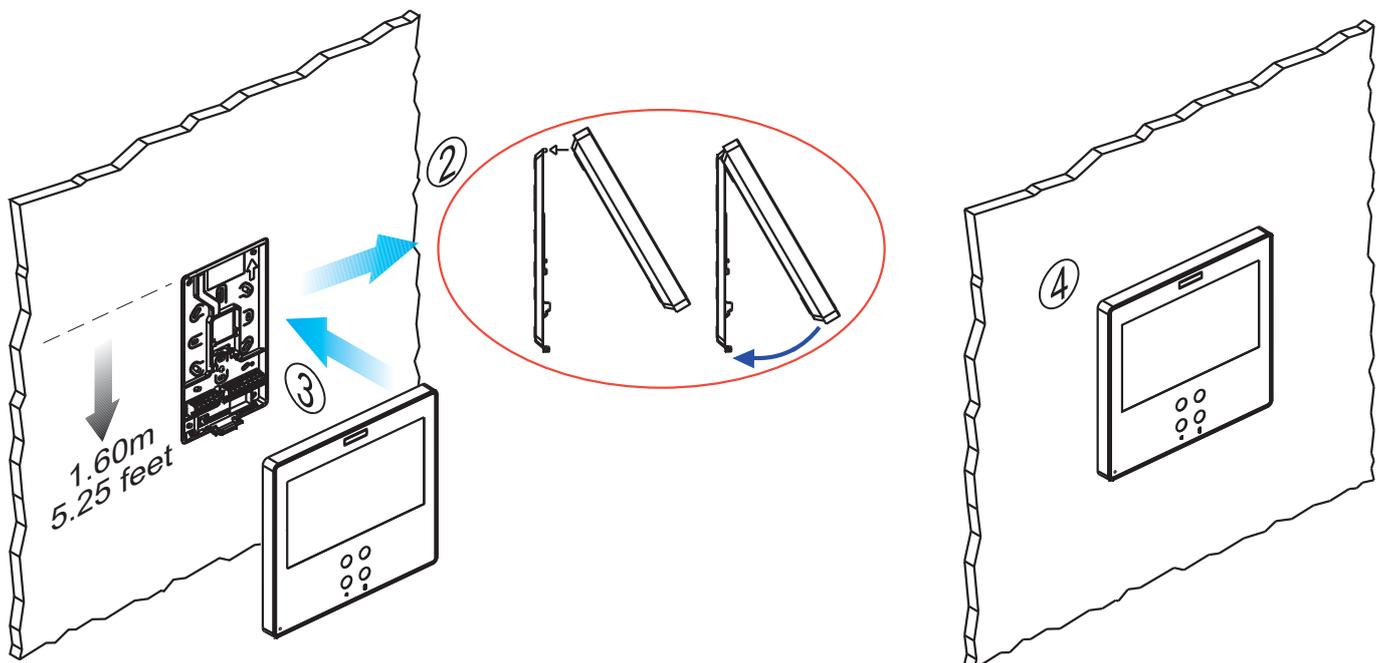
6.3 CONNECTIONS

Video terminals:

V: live

M: mesh

CT: camera activation (12 Vdc)

VAUX: auxiliary video input (CCTV camera connection).
This function is not available at Dominium model.

Connection Terminals:

+, -: 18 Vdc power supply.

L: data bus.

F1, F2: additional functions See programming chapter.

T, -: Call Button Connection for Residential Door (doorbell)

+A, -: Call extension connection ref. 2040, light and bell activator ref. 2438, etc....

MONITOR CONNECTOR
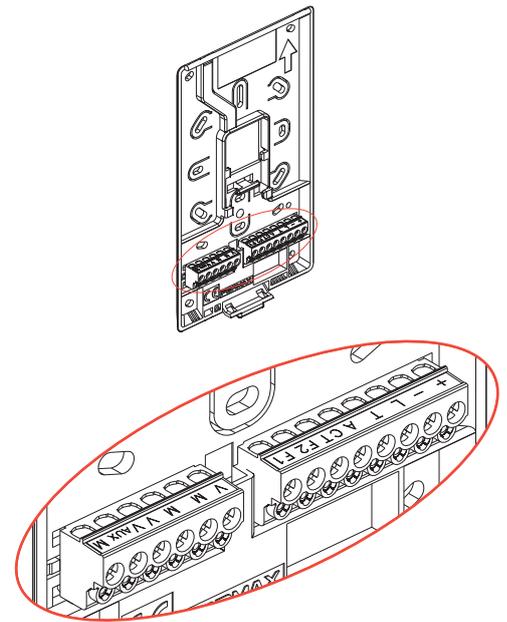
a) With 3 wires + COAXIAL.
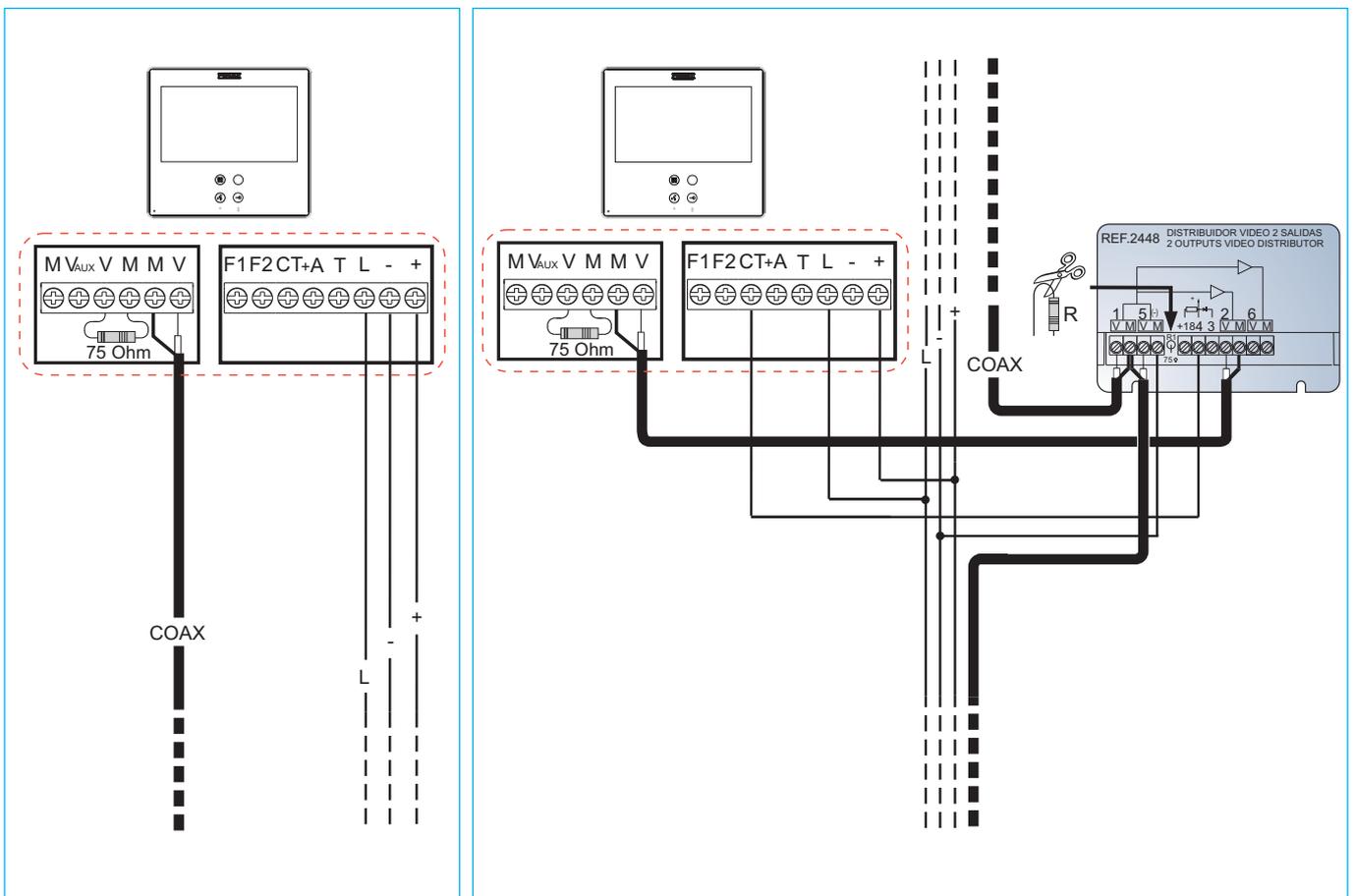
SMiLe

smile dominium home management
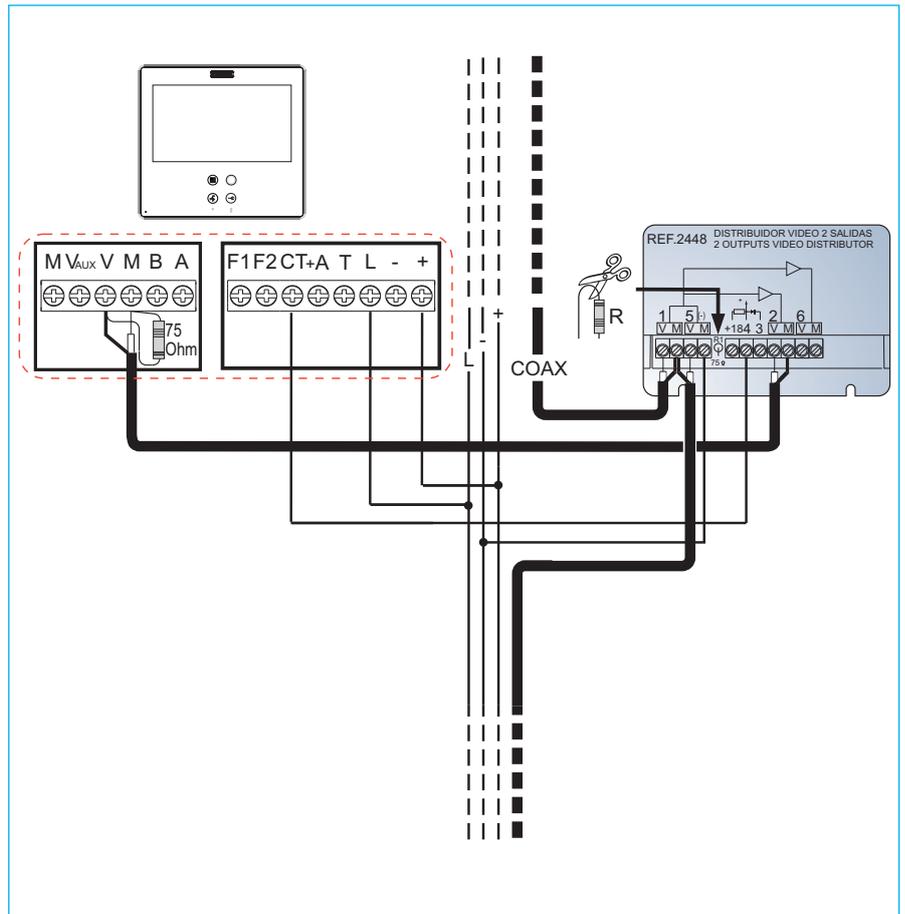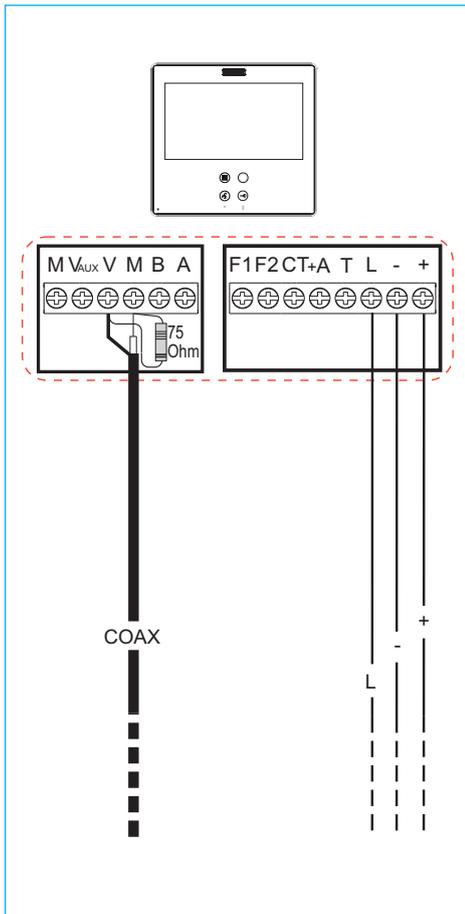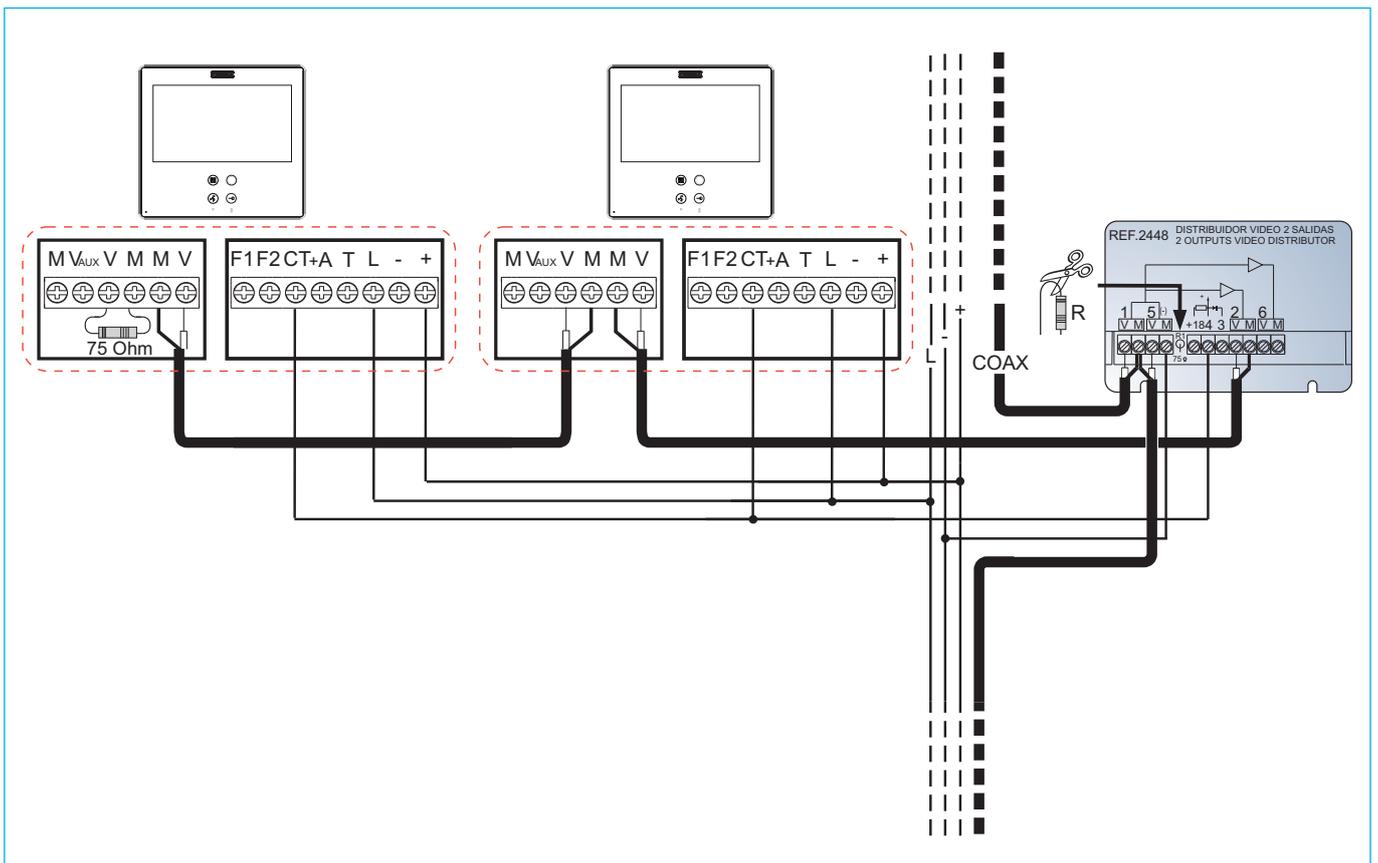
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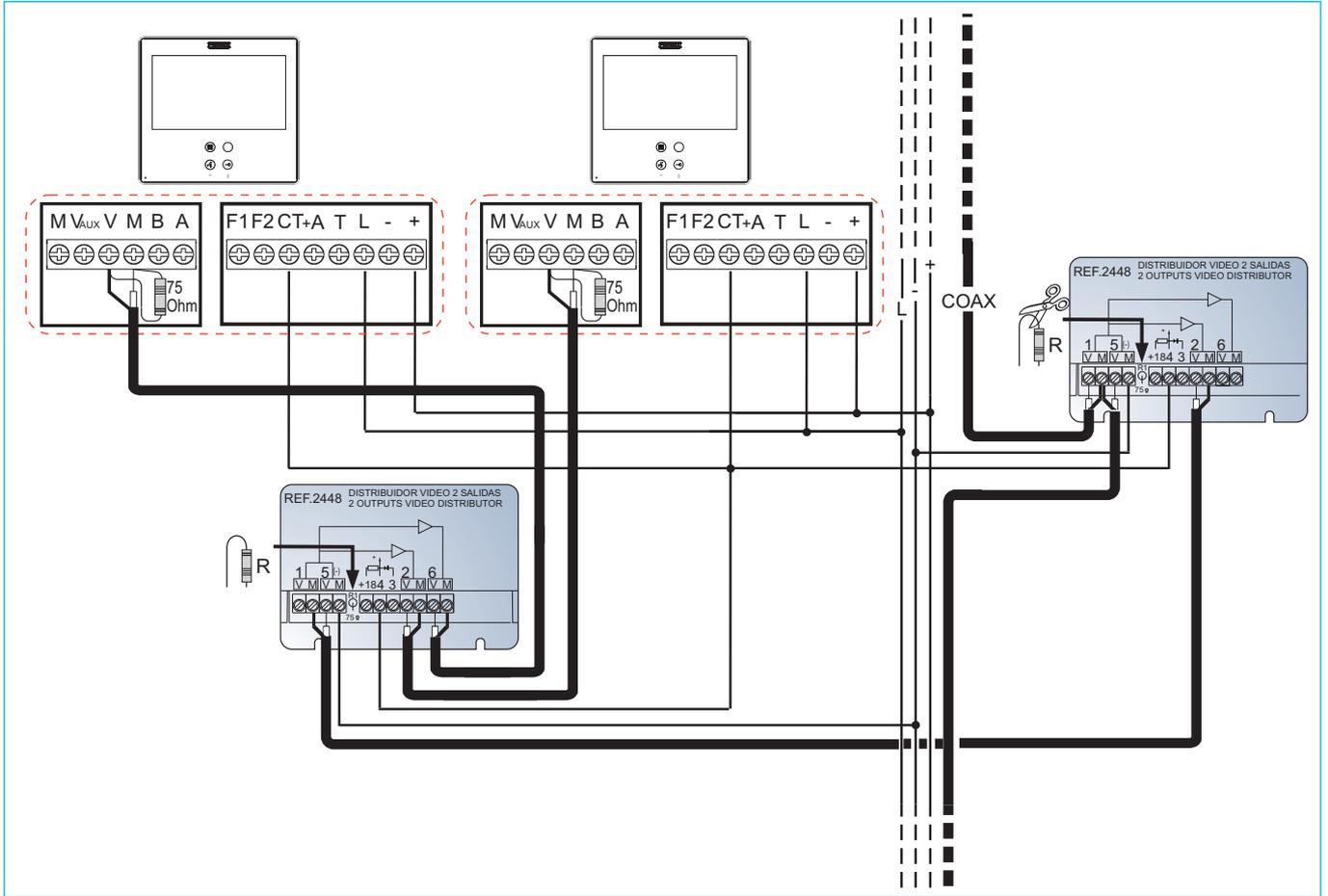
b) With BUS 5 wires / UTP CAT5.

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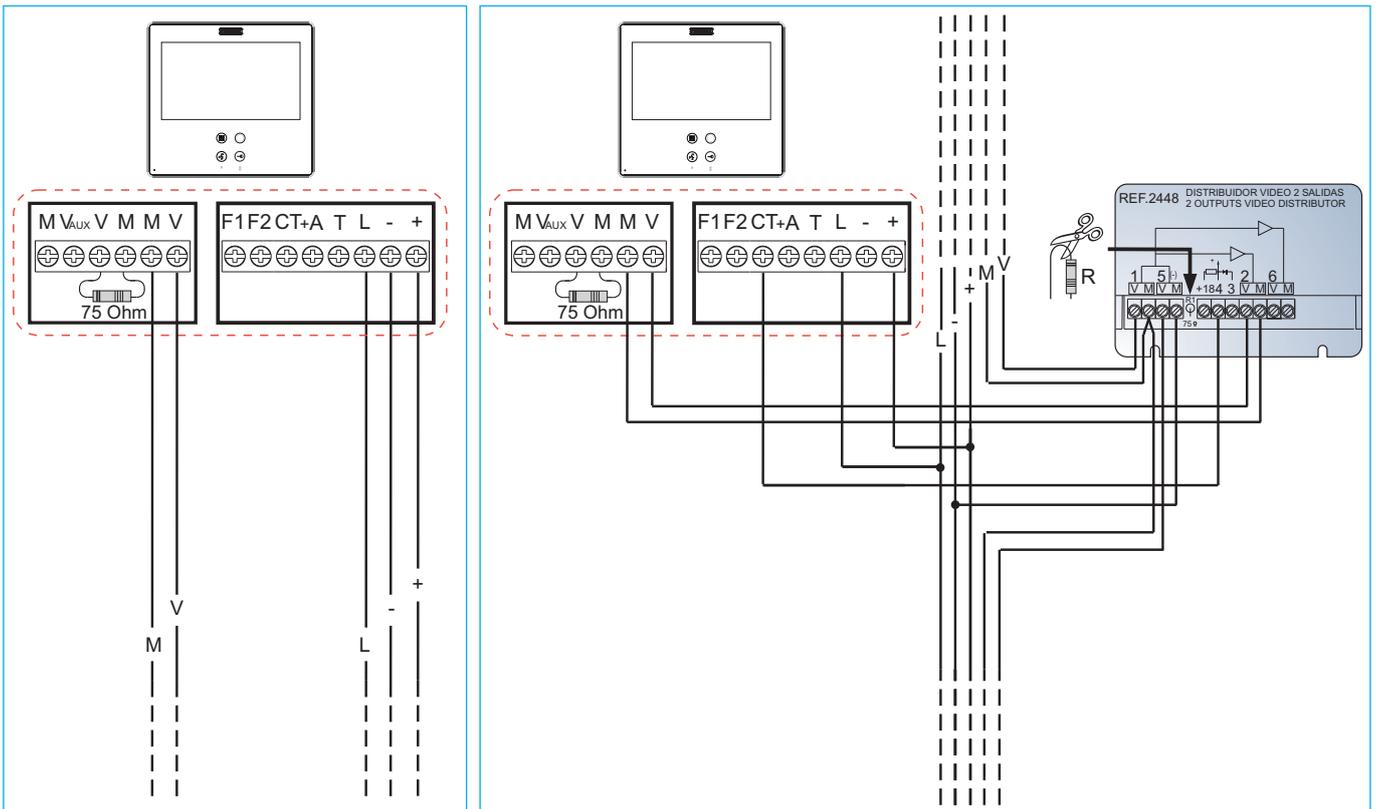
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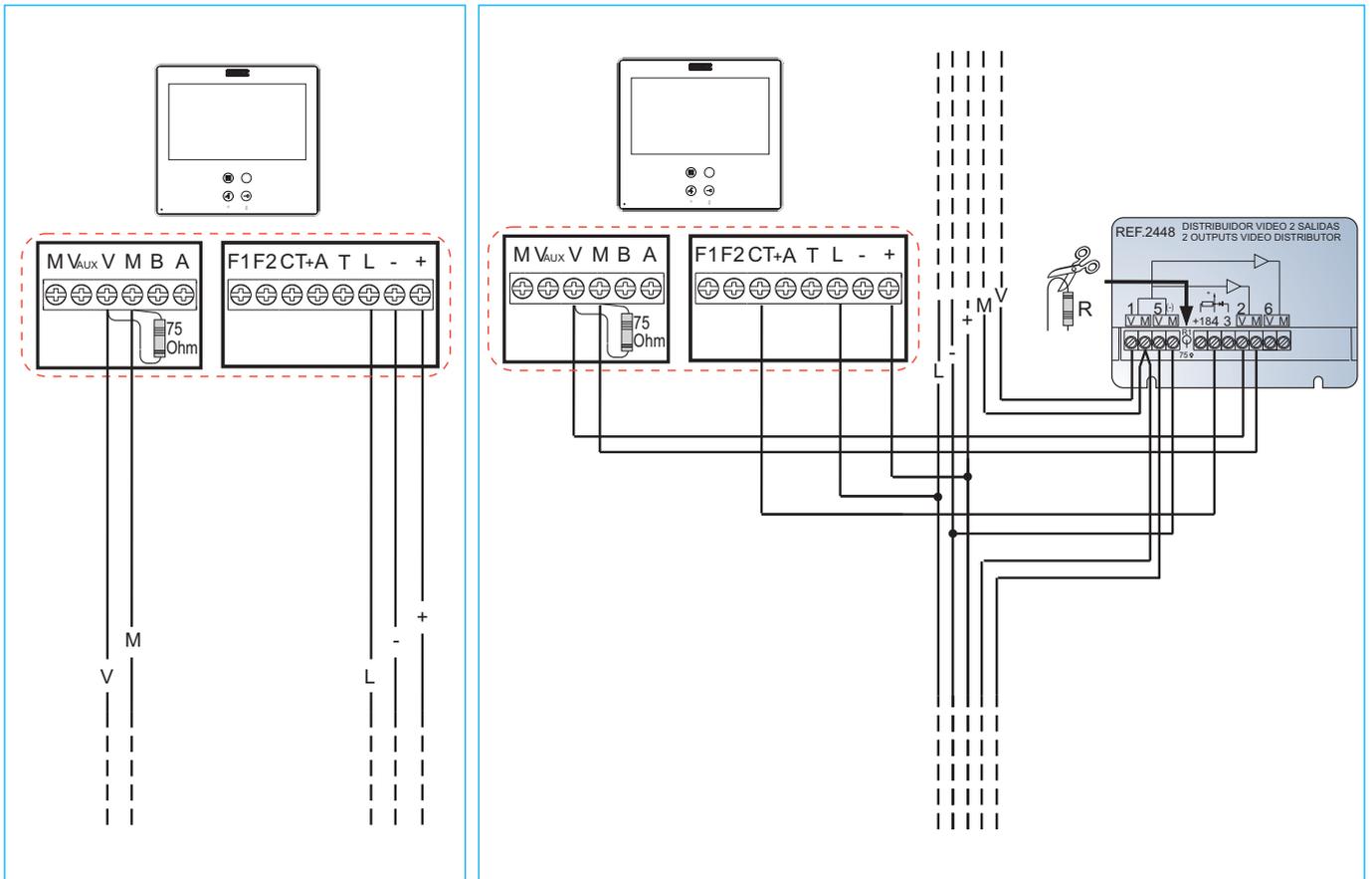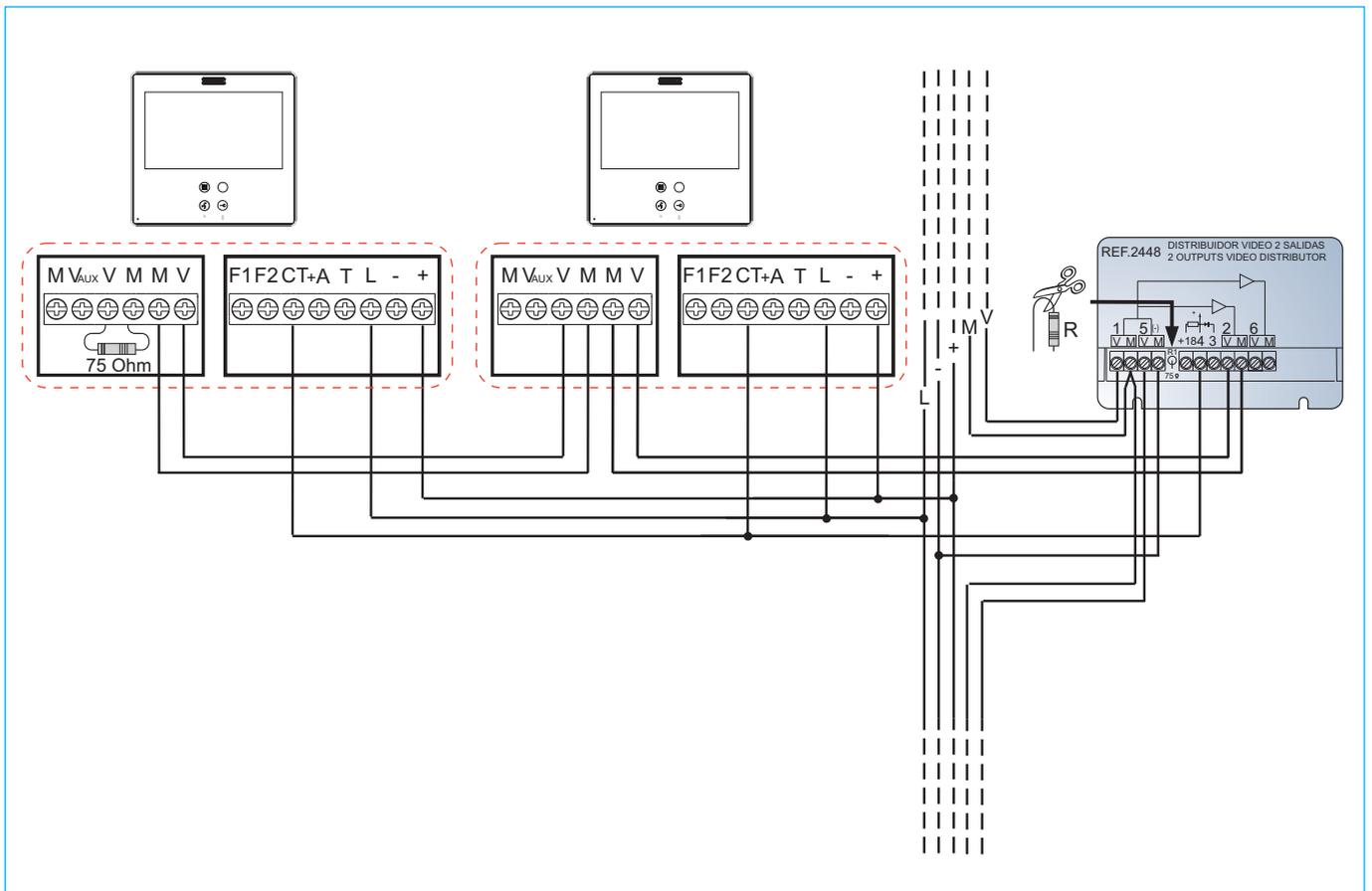
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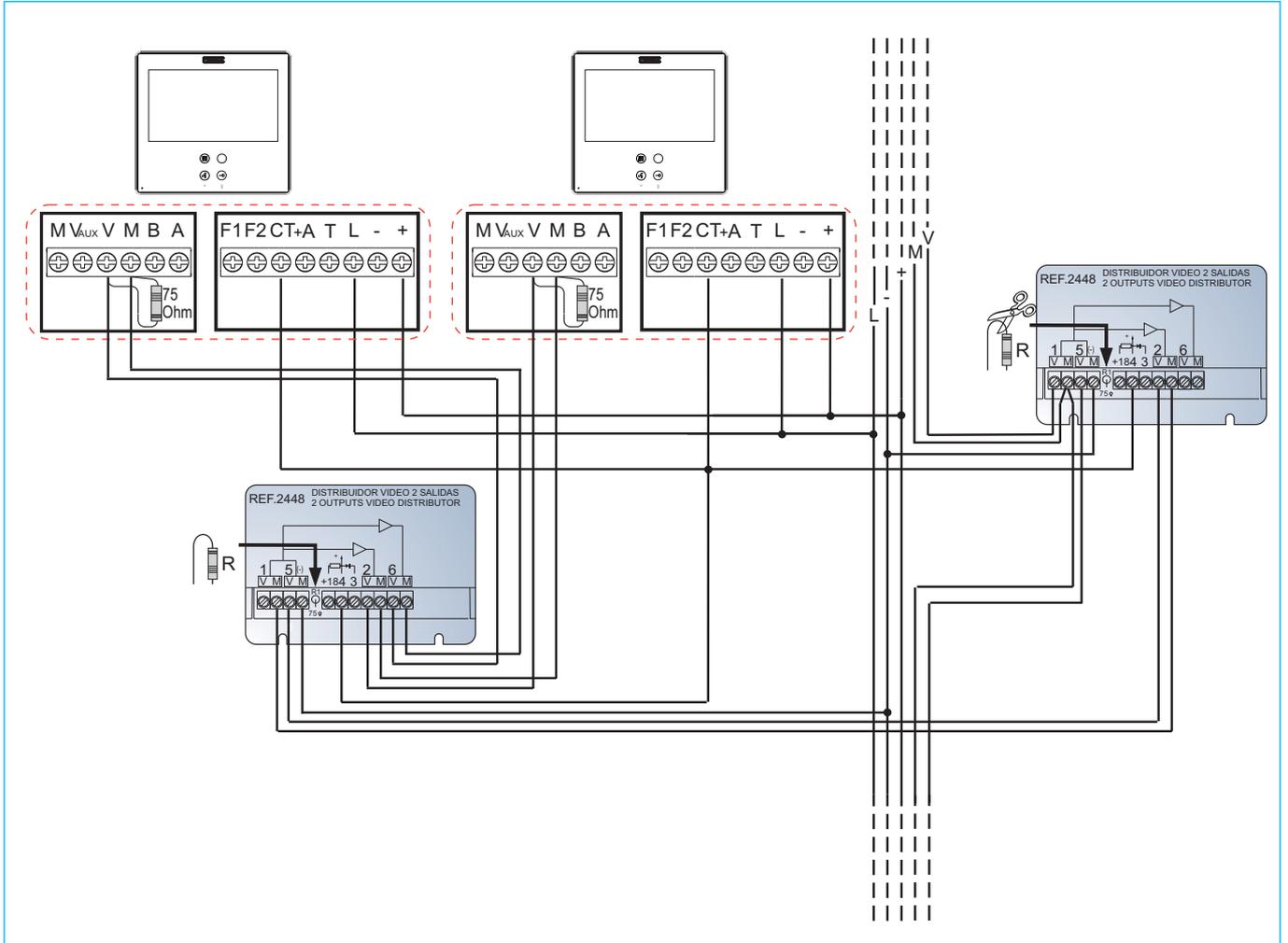
c) Auxiliary video input

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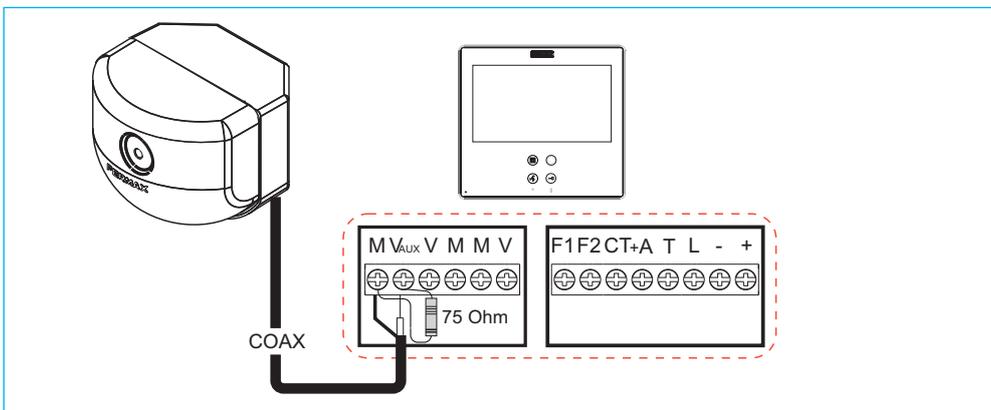
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Not functional.

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