

Installation and
Operating Instructions

VideoTerminal
2600 ..

GIRA

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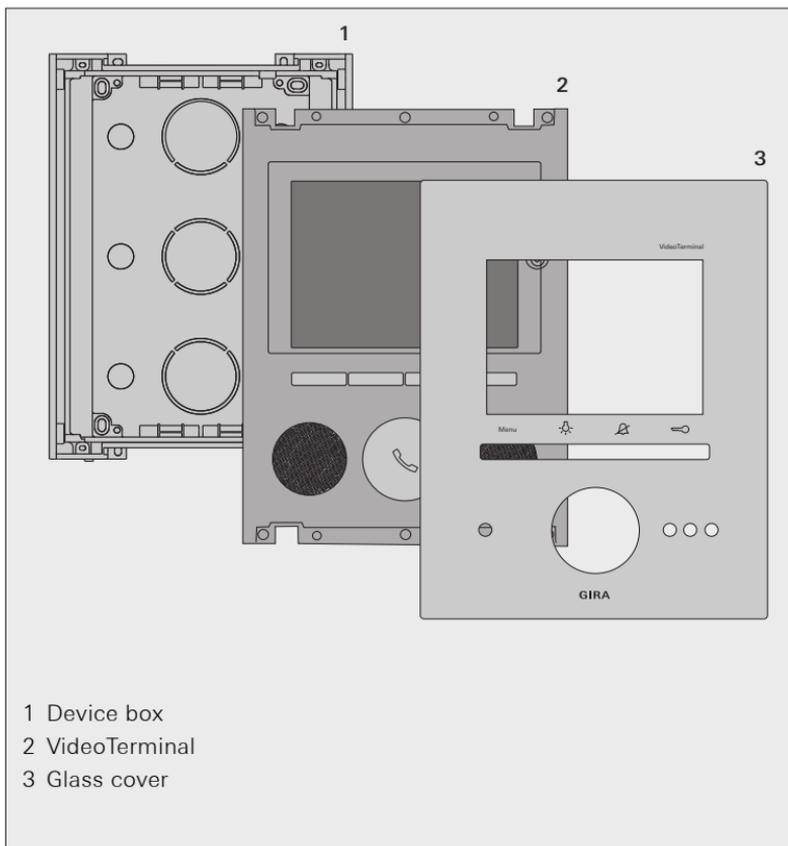
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Device description

The VideoTerminal is a home station from the Gira door communication system with a large TFT colour display and a convenient hands-free speech function. The VideoTerminal is operated with the backlit operating button for turning and pressing and the four function buttons.

The Gira VideoTerminal can be installed in three different ways:

- in the modular function profile (surface-mounted)
- in the surface-mounted mounting frame
- in the flush-mounted mounting frame



Installation

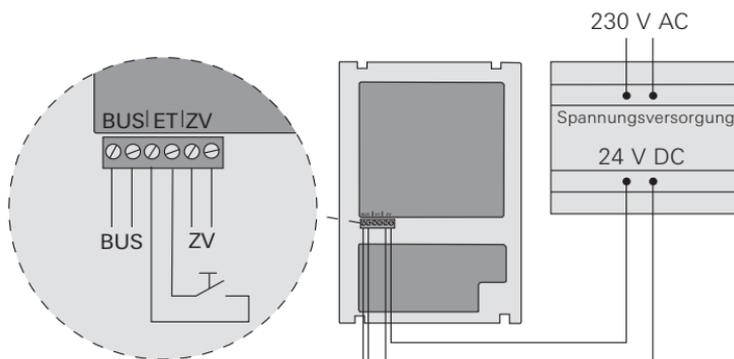


Wire lengths to power supply

The maximum wire length between the power supply and the VideoTerminal is dependent on the wire diameter used. It is 50 m for 0.6 mm diameter and 80 m for 0.8 mm diameter

If these maximum wire lengths are exceeded, malfunctioning of the VideoTerminal may occur.

1. Specify the optimum installation location: As the installation height, it is recommended that the centre of the display be positioned between 1.60 m and 1.70 m.
2. Install the modular function profile, or the mounting frame (see mounting instructions for function profile or mounting frame).
3. Remove the VideoTerminal from the device box.
4. Open the required wire inlets on the device box and guide in the supply wires.
5. Insert the device box in the function profile or the mounting frame and screw on.
6. Connect the VideoTerminal:
the 2-wire bus on the BUS terminals,
the power supply (24 V DC, 700 mA) on the AS (ZV) terminals and,
if necessary, the floor-call button on the ET terminals.



7. Insert the VideoTerminal in the function profile or the mounting frame and fasten with 4 screws.
8. Lay on the glass cover and press it on until the retaining springs engage.



Start-up procedure of VideoTerminal

After the operating voltage is connected, the software of the VideoTerminals is started. This start-up procedure takes approx. 30 seconds. During this time the operating button lights up yellow.

Removing glass cover

To remove, the glass cover is pulled off toward the front using the removal suction cups provided.

Operation

The VideoTerminal is operated with the 4 function buttons and the backlit operating button.

1 Display

2 "Menu" button

Briefly pressing the button activates/deactivates the menu (see Page 12).

Pressing and holding the button activates/deactivates the display and the colour camera (see Page 10).

3 Button

Directly switches a switching actuator (see Page 11).

4 Button

Used for ringing tone deactivation (see Page 10).

5 Button

Directly operates the door opener (see Page 11).

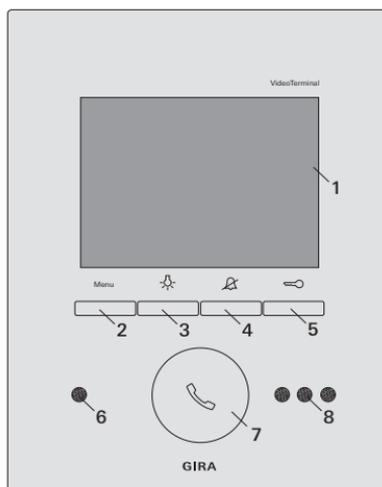
6 Microphone

7 Operating button

The operating button accepts a call, ends it and operates the enforcement function (see Page 8).

Turning and pressing selects and confirms the functions in the respective menus. If several colour cameras are connected, the operating button is used to switch to the next camera (see Page 11).

8 Loudspeaker



Normal conversation mode

Accepting a call



- ✓ When a call is received, the operating button flashes green for two minutes.

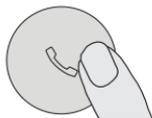
If the call comes from a video door station, the display is automatically switched on and shows the camera image. The number of cameras shown is displayed.



If the call comes from an audio door station, the display "Door call" and "Accept call" appears.

If the call comes from a home station, the display "Internal call" and "Accept call" appears.

A colour camera in the system can be switched on with the "Camera" function button. If several colour cameras are installed, the last active camera is switched on.



1. Briefly press the operating button to begin intercom conversation with the person at the calling station.
- ✓ The operating button lights up continuously during intercom communication.



Maximum conversation time

The maximum conversation time is 2 minutes. When this time expires, the conversation is automatically ended.

Enforcement function

If the background noises at the door station are so loud that automatic switching of the speech direction is not guaranteed, the enforcement function can be activated:



1. This is achieved by pressing the operating button while speaking.
While the button is being pressed, it is only possible to speak from the VideoTerminal to the door station.
2. To release the voice control to the door station again, release the operating button again.

Ending a call



- ✓ The operating button lights up continuously during intercom communication.
During a conversation with an audio door station or an internal conversation with another home station, "End call" appears during the conversation.



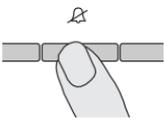
1. Briefly press the operating button to end the voice connection.
- ✓ The illumination of the operating button goes out.

Deactivating/activating ringing tone

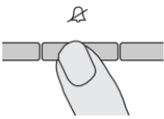


Only deactivate the ringing tone if necessary

Only deactivate the ringing tone in special cases. Otherwise, you run the risk of not hearing the ringing in an emergency, for example.



1. Press the  button to deactivate the ringing tone.
 - ✓ The operating button lights up continuously in red if the ringing tone is deactivated.



2. Press the  button again to reactivate the ringing tone.
 - ✓ The illumination of the operating button goes out.

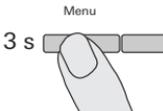


Switching off ringing tone in "Automatic door opener" menu

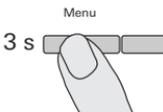
As an alternative, the ringing tone of the VideoTerminal can also be switched off in the "Automatic door opener" menu (see Page 14).

Switching on camera image

The display of the VideoTerminal and the related colour camera can be specifically activated/deactivated with the Menu button:



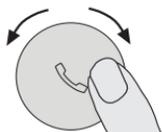
1. For **activation**, the Menu button is pressed and held for approx. 3 seconds.
 - ✓ If several colour cameras are installed, the last active camera is switched on.
 - ✓ The bottom line of the display continuously shows the designation of the camera currently active.



2. For **deactivation**, the Menu button is pressed and held again for approx. 3 seconds.

Changing display of colour camera

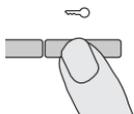
If several colour cameras are installed, it is possible to switch between the respective camera images with the operating button:



1. Turning the operating button selects the respective next camera. With more than two cameras:
Turning clockwise = next camera,
Turning anticlockwise = previous camera.
- ✓ The bottom line of the display continuously shows the designation of the camera currently active.

Switching functions

Open door

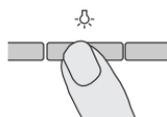


1. The door opener is operated with the  button.
- ✓ If several doors are connected, the door opener of the door station from which the door call was made is operated within 2 minutes. It switches back to the main door 2 minutes after the start of the call or 30 seconds after the door call is ended.

Switching light on (only in conjunction with a switching actuator)

Switching actions can be triggered on the VideoTerminal in two different ways:

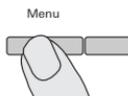
- With the button :



1. Press the  button to switch the light (e.g. the outdoor or staircase illumination).

- With the "Switching" menu (see Page 14)

Structure of menu interface

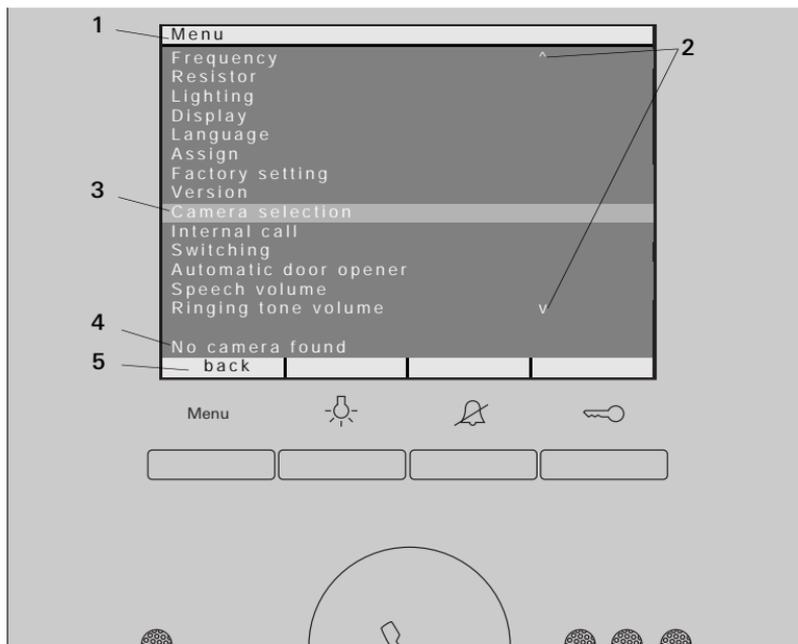


1. Briefly press the Menu button to open the menu.



Opening menu with automatic door opener activated or ringing tone deactivated

If the automatic door opener is activated or the ringing tone is deactivated (operating button lights up red), first the status display appears after briefly pressing the Menu button (see Page 15). Pressing the Menu button again (back) opens the



- 1 Menu title:** The menu title indicates which menu item is active (here the Commissioning menu in the programming mode).
- 2 Scroll symbols:** The scroll symbols indicate which direction you can navigate in with the operating button.
- 3 Selection symbol:** The selection symbol indicates which menu item you have currently selected with the operating button. In this example the menu item "Camera selection" is opened by pressing the centre of the operating button.
- 4 Status line:** For displaying any status messages.
- 5 Action features of function buttons:** Here the actions of the function buttons which are currently possible are shown. In this example the main menu is exited with the Menu button. The basic functions of the function buttons (e.g. switching on a camera with the Menu button) are then not available.

Camera selection



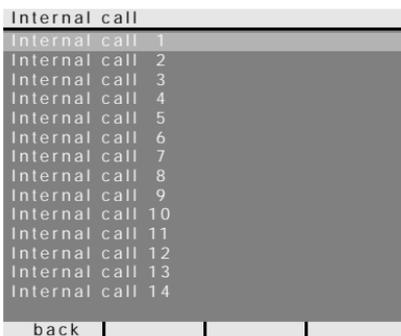
In the "Camera selection" menu all assigned colour cameras are displayed. The desired camera can be selected and switched on by turning and pressing the operating button.



If the menu item "Camera selection" is selected while a "video conversation" is in progress in the door communication system, "Camera blocked for time" appears in the status line.

If no colour camera is installed, or has not yet been taught in in the door communication system, "No camera found" appears in the status line.

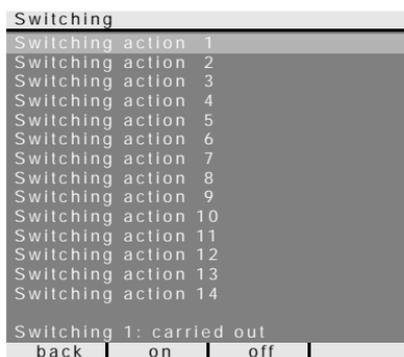
Internal call



In the "Internal call" menu assigned home stations can be called. The desired home station can be selected and called by turning and pressing the operating button.

The operating button flashes green for 2 minutes until the call is accepted or the internal call is ended by pressing the operating button again.

Switching



In the "Switching" menu assigned switching actions can be triggered. The desired switching action can be selected and triggered by turning and pressing the operating button.

The least switching action carried out is displayed in the status line.

The marked switching action can be specifically switched on or off with the "on/off" function buttons.



Specifically switching on/off with function buttons

It is only possible to specific switch a switching action on/off with the function buttons if the "Switching" function has been selected on the switching actuator.

The basic functions  and  of the function buttons cannot be run in this case.

Automatic door opener

The automatic door opener is, for example, used in doctor's offices when approx. 4 seconds after pressing a door-station call button, the door opener is to be automatically operated. If several door stations are present in the system, the automatic function acts on the door opener of the door station from which the door call was triggered.



The automatic door opener is activated or deactivated by turning and pressing the operating button.

The activated automatic door opener is marked in the menu with an "o". At the same time, the operating button lights up continuously in red with the automatic door opener activated.

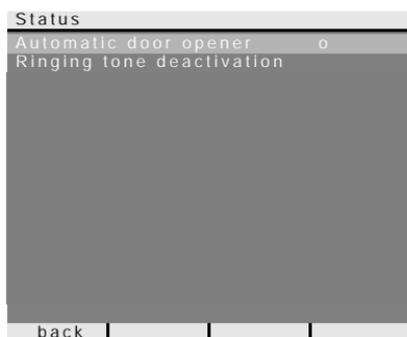
In addition, the ringing tone of the Video-Terminal can also be switched on/off in this menu.



Behaviour after power failure

Following a power failure, the automatic door opener is deactivated.

Status display



If the automatic door opener is activated or the ringing tone is deactivated (the operating button lights up red), first the status display appears after briefly pressing the Menu button.

Pressing the Menu button again (back) displays the menu.

Adjusting speech volume



In the "Speech volume" menu the speech volume of the VideoTerminal can be adjusted in 8 steps by turning and pressing the operating button.



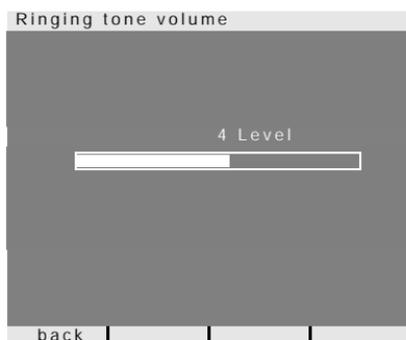
Adjusting speech volume during a conversation

It is advisable to adjust the speech volume while a conversation is in progress.

Pressing the operating button saves the set value and exits the menu.

If the menu is exited with the Menu button (back), the change is not saved.

Setting ringing tone volume



In the "Ringing tone volume" menu the ringing tone volume of the VideoTerminal can be adjusted in 8 steps by turning and pressing the operating button.

When the operating button is turned, the respectively selected ringing tone volume sounds.

Pressing the operating button saves the set value and exits the menu.

If the menu is exited with the Menu button (back), the change is not saved.

Selecting ringing tone melody

The VideoTerminal offers five ringing tone melodies, which can be individually assigned to the call buttons of the door station, the internal call buttons of other home stations or the floor call button. This allows, for example, a different door station call button with an individual ringing tone melody to be assigned in a household with several people (e.g. parents, children). The ringing tone melody is set with the "Assign ringing tone melody" menu.



Triggering ringing tone beforehand

The melody of the last ringing tone triggered is always changed.



In the "Assign melody" menu the melody of the last ringing tone triggered can be selected by turning and pressing the operating button.

The last ringing tone triggered is displayed in the top line of the display (here: Door call).

When the operating button is pressed, the selected melody sounds and is simultaneously saved.

The menu is exited with the Menu button (back).



Note

When deleting the call button assignment to the home station, the corresponding ringing tone melodies are reset to the factory setting.

Brightness - contrast - colour



Selecting camera beforehand

The colour camera must be selected before one of the menu items "Brightness", "Contrast" or "Colour" is marked. If no camera has been selected, the message "No camera selected" appears.



In the "Brightness", "Contrast" or "Colour" menu, the respective parameters can be selected and set by turning and pressing the operating button.

Pressing the operating button saves the set value and exits the menu.

If the menu is exited with the Menu button (back), the change is not saved.



Settings with several VideoTerminals and colour cameras

These settings only apply to the connection from the active VideoTerminal to the active colour camera in each case. This means that if several VideoTerminals and/or colour cameras are installed, these parameters can be set individually for each camera on each VideoTerminal.

Switch-on time



Factory setting: 30 seconds

The switch-on time specifies after what time the VideoTerminal is automatically switched off after being switched on manually.

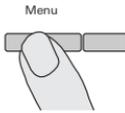
With the operating button you select the switch-on time of the VideoTerminal in the range of 20 to 120 seconds.

Pressing the operating button saves the set value and exits the menu.

If the menu is exited with the Menu button (back), the change is not saved.

Commissioning menu

To open the Commissioning menu:



1. Press the programming button on the control device for 3 seconds to start the programming mode.
- ✓ The operating button of the VideoTerminals flashes red.
2. Briefly press the Menu button to open the Commissioning menu.



The following setting options are available in the Commissioning menu:

Priority



Factory setting: Main display

If several VideoTerminals or TFT displays are operated in one flat, a maximum of **one** VideoTerminal or TFT display may serve as the main display per call button; the others are defined as secondary displays.

The **Main display** is automatically switched on when an incoming door call is received.

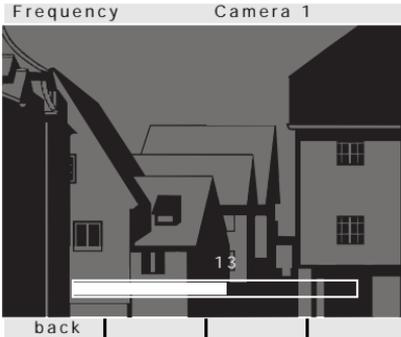
The **Secondary displays** are only switched on with a call acceptance at the respective home station after a door call or via the Menu button (3 seconds).

Frequency



Select camera beforehand

Before the menu item "Frequency" is selected, a colour camera must be selected. If no camera has been selected, the message "No camera selected" appears.



The optimum frequency of the video signal of the currently active transfer path is set for fine-tuning of the video signal between the camera and the VideoTerminal using the control button.

If the menu item "Frequency" is ended with "back", changed settings are not applied.



Setting with several VideoTerminals and colour cameras

The frequency setting only applies to the connection from the active VideoTerminal to the active colour camera. This means that if several VideoTerminals and/or colour cameras are installed, the frequency for the transmission path from the between the VideoTerminal and the colour camera must be set individually on each VideoTerminal.

Resistor



Factory setting: yes

The terminating resistor of the VideoTerminal is activated/deactivated here.

This setting is dependent on the topology. More detailed information on this is available in the system description included with the video control device.

Lighting



Selecting camera beforehand

Before the menu item "Lighting" is selected, a colour camera must be selected. If no camera has been selected, the message "No camera selected" appears.



Factory setting: auto

The behaviour of the field of view illumination of the camera is set here. The corresponding colour camera must be selected before setting.

auto: The field of view illumination of the colour camera is switched on for a door call or when the VideoTerminal is switched on manually if the ambient brightness is less than 1 lux.

off: The field of view illumination always remains switched off.



Setting with several VideoTerminals and colour cameras

The setting of the lighting only applies for the active Video Terminal and the active colour camera in each case.

This means that if several VideoTerminals and/or colour cameras are installed, the lighting for each colour camera must be set individually on each VideoTerminal.

Display



Factory setting: on

Here it is specified whether the VideoTerminal can be switched on with the Menu button.

off: The VideoTerminal is **only** switched on after a door call.

Manual switch-on with the Menu button is not possible with this setting

on: The VideoTerminal is switched on after a call button is pressed or with the Menu button.



Setting with several VideoTerminals

If several VideoTerminals are installed, this setting must be made on all VideoTerminals.

Language



Factory setting: German

The menu language German or English can be selected here.

Assign

Assign	
Assign call	o
Provide internal call	o
Assign switching action	

R: 3.10 S: 2.20

back

In the "Assign" menu the VideoTerminal is assigned components from the door communication system (e.g. door stations, home stations and switching actuators).

The exact work procedures for assigning components from the door communication system are described in detail from Page 25.

Assign call: The VideoTerminal is assigned a call button.

R: 3.10 indicates how many call buttons have already been taught in and the maximum number that can be assigned.

In this example the VideoTerminal has already been assigned 3 call buttons; a total of 10 call buttons can be assigned.

Provide internal call: An internal call of the VideoTerminal is assigned to a home station or a door communication gateway.

Assign switching action: A switching action of the VideoTerminal is assigned to a switching actuator.

S: 2.20 indicates how many internal calls have been temporarily stored.

In this example, 2 internal calls are temporarily stored by VideoTerminal; a total of 20 internal calls can be temporarily stored.



Internal call - switching action

The "Assign switching actions" function is only active if the programming mode is active on the switching actuator. In this case no internal calls can be provided. The active function in this menu is marked with "o".

Factory setting



Here the settings of the VideoTerminals are reset to the factory settings.

A differentiation is made between:

Display parameters: Here the values of the menu items Priority, Resistor, Display, Language, Brightness, Contrast, Colour and Switch-on time are reset to the factory setting.

The assignments to colour cameras, call buttons and stations are retained.

Delete cameras: All camera assignments are cleared here. The values in the menus Frequency, Lighting, Brightness, Contrast and Colour are reset to the factory setting.

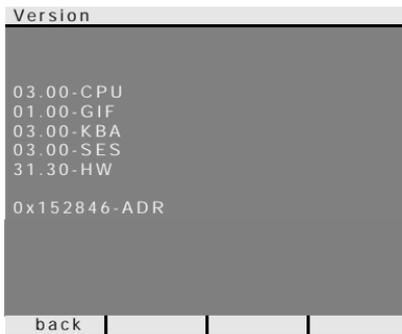
"Delete cameras" is, for example, required if the bus connector of the video door station is to be replaced.

Once you have executed this function, the cameras must be registered again: For this purpose, start the programming mode on the control device and press any call button on all door stations with a colour camera for 3 seconds each. **Important:** Go through the door stations in the order which is to be displayed later in the video image (e.g. Main door camera 1, Side door camera 2 etc.).

Delete call assignment: Here all assigned call buttons and the ringing tone melodies are deleted or reset.

Delivered state: Here all menu items of the VideoTerminal are reset to the factory setting. In addition, the assignments to call buttons and colour cameras are deleted.

Version



The current software version of the Video-Terminal is displayed here.

Additional menu items

Then the menu items follow which are also available in the Setting menu and have already been described in the previous section of these instructions:

- Camera selection (see Page 13)
- Internal call (see Page 13)
- Switching (see Page 14)
- Automatic door opener (see Page 14)
- Speech volume (see Page 16)
- Ringing tone volume (see Page 16)
- Assign ringing tone melody (see Page 16)
- Brightness (see Page 17)
- Contrast (see Page 17)
- Colour (see Page 17)
- Switch-on time (see Page 17)

Assigning door station to VideoTerminal

To assign a door station call button to the VideoTerminal, proceed as follows:

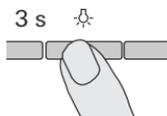


1. Press the "System prog." button on the **control device** for 3 sec. to start programming mode.
2. Press the call button on the **door station** for 3 seconds. Release the call button following the brief acknowledgement tone sounds.
 - ✓ The door station outputs a long acknowledgement tone.



Releasing the button after 3 seconds

If the button is not released after the first acknowledgement tone, all call buttons of the door station will be deleted after an additional 3 seconds.



3. Press the  button on the **VideoTerminal** for 3 seconds until a brief acknowledgement tone is heard.

- ✓ A long acknowledgement tone indicates successful assignment. Three short acknowledgement tones indicate faulty assignment. The memory of the VideoTerminal may already be occupied. A maximum of ten call buttons can be assigned.



4. Briefly press the "System prog." button on the **control device** to exit the programming mode.

Assigning VideoTerminal via floor-call button

If you cannot access the home during commissioning, you can also assign the VideoTerminal via a connected floor-call button:

In this case the VideoTerminal behaves like a home station of the Gira door communication system. The assignment with a floor call button is described in the system manual.

Assigning home station to VideoTerminal

You can implement the so-called internal call function with the optional call button for home stations. A voice connection between the home station and the VideoTerminal can be established via the internal call.

To assign a home station call button to the VideoTerminal, proceed as follows:

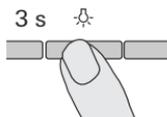


1. Press the "System progr." button on the **control device** for 3 sec. to start programming mode.
2. Press the call button on the **home station** for 3 seconds. Release the call button following the brief acknowledgement tone sounds.
 - ✓ The home station outputs a long acknowledgement tone.



Releasing the button after 3 seconds

If the button is not released after the first acknowledgement tone, all call buttons of the home station will be deleted after an additional 3 seconds.



3. Press the  button on the **VideoTerminal** for 3 seconds until a brief acknowledgement tone is heard.

- ✓ A long acknowledgement tone indicates successful assignment. Three short acknowledgement tones indicate faulty assignment. The memory of the VideoTerminal may already be occupied. A maximum of ten call buttons can be assigned.

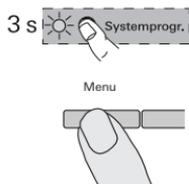


4. Briefly press the "System progr." button on the **control device** to exit the programming mode.

Assigning VideoTerminal to a home station

The so-called internal call function can be realised with the VideoTerminal. A voice connection between the VideoTerminal and the home station can be established via the internal call.

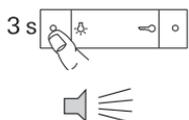
Please proceed as follows to assign the VideoTerminal to another home station:



Assign

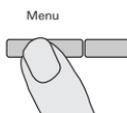
Provide
internal call

Internal call 1



1. Press the "System progr." button on the **control device** for 3 sec. to start programming mode.
2. Press the "Menu" button on the **VideoTerminal** to open the Commissioning menu.
3. Select the menu item "Assign" in the Commissioning menu of the **VideoTerminals**.
4. Select the menu item "Provide internal call" in the "Assign" menu.
5. Select the desired internal call (1-14) in the "Provide internal call" menu and confirm.
 - ✓ The VideoTerminal outputs a long acknowledgement tone.
6. Press the  button on the **home station** for 3 seconds until a brief acknowledgement tone is heard.
 - ✓ A long acknowledgement tone indicates successful assignment.
Three short acknowledgement tones indicate faulty assignment. The memory of the home station may already be occupied. A maximum of 10 call buttons can be assigned to a home station (a maximum of 15 call buttons to a surface-mounted hand-free feature home station).
7. Briefly press the "System progr." button on the **control device** to exit the programming mode.

Assigning switching actuator to a VideoTerminal



Assign

Assign switch-

ing action

Switching

action 1



1. Press the "System progr." button on the **control device** for 3 sec. to start programming mode.

✓ The LED of the last set operating mode flashes at the **switching actuator**.

2. Press the "Funktion" button on the **switching actuator** several times until the LED of the desired operating mode flashes.

3. Press the "Progr." button on the **switching actuator** for 3 seconds until the LED next to the button flashes.

4. Press the "Menu" button on the **VideoTerminal** to open the Commissioning menu.

5. Select the menu item "Assign" in the Commissioning menu of the **VideoTerminals**.

6. Select the menu item "Assign switching action" in the "Assign" menu.

7. Select the desired switching action (1-14) in the "Assign switching action" and confirm.

✓ A long acknowledgement tone confirms successful assignment.

8. Briefly press the "System progr." button on the **control device** to exit the programming mode.

Technical data

Dimensions:	182 x 240 x 52 mm (W x H x D)
Power supply:	24 V DC \pm 10%, 700 mA
Ambient temperature:	-5°C to +40°C
Protection type:	IP 20
Connections:	2 screw terminals for 2-wire bus 2 screw terminals for floor-call button 2 screw terminals for additional supply 1 system bus connector strip (6-pole)
Colour system:	PAL
Number of pixels:	640 x 480 (H x V)
Permissible wire lengths between VideoTerminal and power supply:	50 m with 0.6 mm wire diameter 80 m with 0.8 mm wire diameter (loop resistance \leq 6.5 Ω)
VideoTerminal and colour camera:	see system manual

Warranty

The warranty is provided in accordance with statutory requirements via the specialist trade.

Please submit or send faulty devices postage paid together with an error description to your responsible salesperson (specialist trade/installation company/electrical specialist trade).

They will forward the devices to the Gira Service Center.

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