

Installation and
Operating Instructions

Door Station Stainless Steel Video

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GIRA

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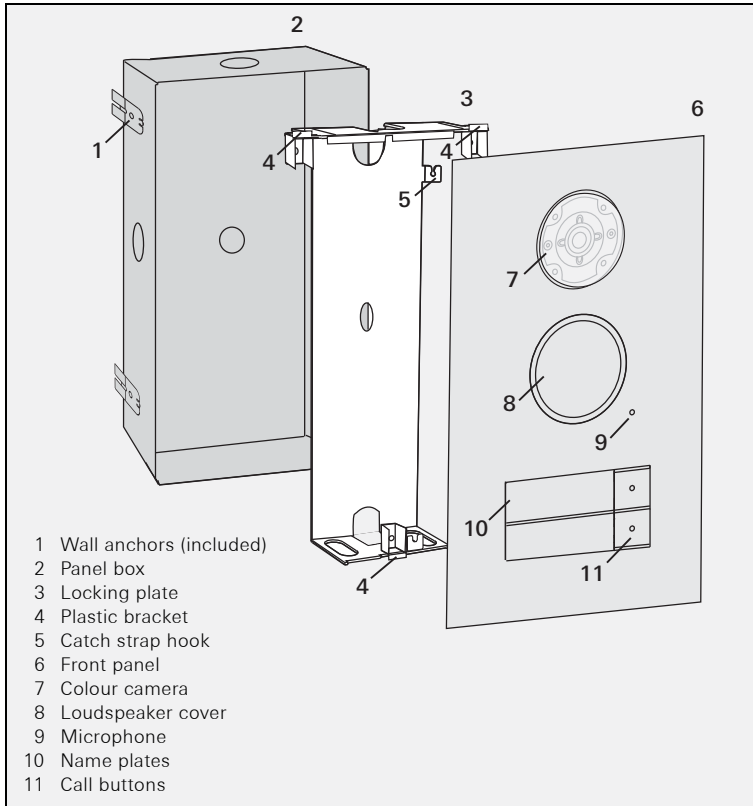
Device description

The Door Station Stainless Steel Video is a pre-assembled, vandalism-protected door station with colour camera for the Gira door communication system.

The front plate of high-quality V2A stainless steel with a thickness of 3 mm is especially robust. The call buttons are also made of durable stainless steel. The illuminated inscription labels are covered by a fully secured and flameproof glass plate. The inscription labels can be opened via a covered mechanism and can then removed from the front.

Both the call buttons and inscription labels are uniformly illuminated with a white, power-saving LED element.

Loudspeaker and microphone are located behind the respective sound openings and are water-resistant and vandal-proof.



Function range of the colour camera

The colour camera of the flush-mounted door station has the following product features:

Automatic day/night switching

The camera switches from daytime mode (colour presentation) to night mode (black and white presentation) and back again at an ambient brightness of 1 Lux. Due to the high degree of light sensitivity in night mode, good presentation results are achieved even with poor lighting conditions (to 0.1 Lux). In night mode, the integrated white LEDs ensure an even illumination of the field of view.

Large coverage range

The colour camera can be swivelled manually by 20° horizontally and vertically during start-up. A very large field of view in the door entry area results in conjunction with the 100° range of coverage of the camera.

Camera heating

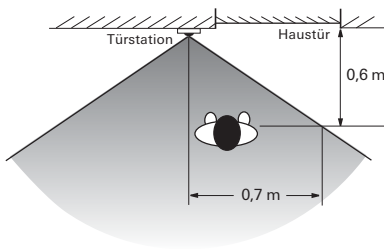
The integrated temperature-dependent camera heating prevents condensation from forming on the camera cover plate due to fluctuating climactic conditions and thus provides a clear view.

Camera cover plate

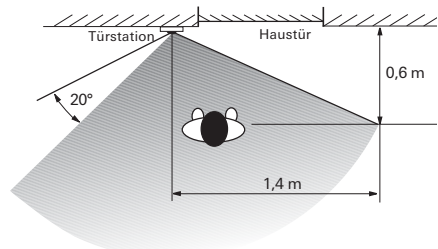
The splash water-resistant camera cover plate made of shock-resistant plastic can be easily replaced if damaged, for example by vandalism.

Setting coverage range of the colour camera

The CCD sensor element of the colour camera has an angle of detection of 100°. If this angle of detection is not sufficient for the required installation scenario, the area can be manually swivelled by 20° in all directions.



Coverage range of camera with perpendicular lens.



Coverage range of camera when lens is swivelled by 20°.

Selecting the installation site

The selection of the installation site and good illumination are critical for good picture quality.

No backlighting

Do not point the colour camera towards strong backlighting, such as streetlamps or yard illumination.

Prevent strong sunlight from hitting the lens.

Picture background

Avoid pointing the camera towards extremely bright image backgrounds and backgrounds with strong contrasts.

Lighting

LEDs integrated in the camera provide an even illumination of the field of view in darkness.



Black and white mode in poor lighting conditions

In poor lighting conditions (< 1 lux) or with the field of view illumination switched on, the colour camera provides black and white pictures only.

If the entry area is equipped with additional illumination, this light source must not shine directly into the camera lens from the front. The best installation site of an external light source is above the colour camera.

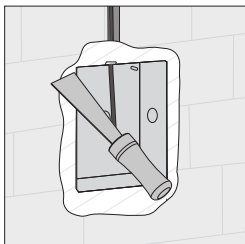
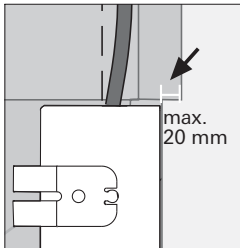
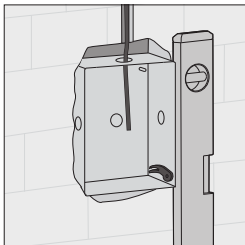
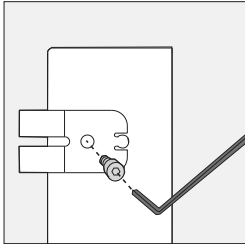
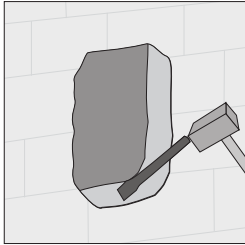
Installation height

The recommended installation height of the colour camera is 1.50 m.

At this installation height, people with an average height of 1.80 m are optimally presented.

The minimum installation height is 1.20 m.

Installing panel box



Attention

Installation and mounting of electrical devices may only be carried out by a qualified electrician.

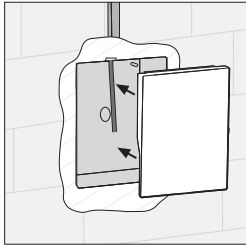
1. Select a suitable installation site and chisel an opening in the wall.
2. If necessary, mount the included wall anchor.

Note the following information when mounting the panel box:

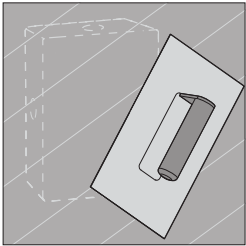
- Ensure installation position is correct. (Note the "TOP" labelling).
- The panel box must be installed level. With the later mounting of the Door Station Stainless Steel there is no possibility for correction.
- The panel box must be installed as flush to the surface as possible!

It must be ensured that the locking plate can be flush-mounted later. Maximum plaster compensation is 20 mm.

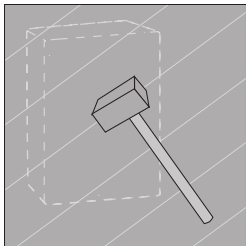
3. Plaster in the panel box to be flush with the final surface (maximum plaster compensation 20 mm).



4. Mount the included plaster protection.

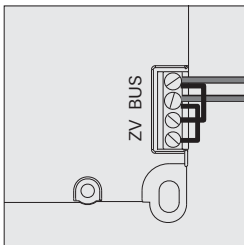
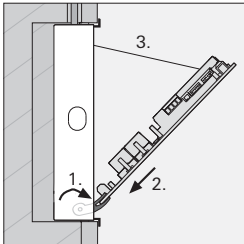
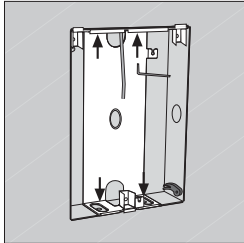
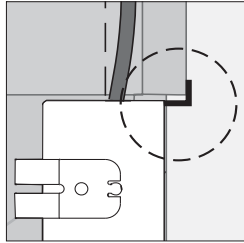
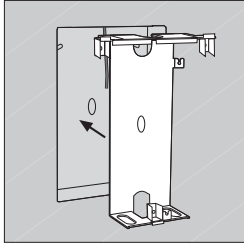


5. Plaster the wall.



6. **Carefully** remove the plaster and take out the plaster protection.

Installing front panel



1. Insert the locking plate flushly into the panel box.



Insert locking plate evenly

The locking plate must not be twisted while being installed into the panel box and must not be under tension.

Push the locking plate inwards until the plastic brackets touch the wall.

2. Fasten the locking plate with the 4 Allen bolts and locking washers included.
In order to guarantee a secure fastening of the front panel later, the Allen bolts must be firmly tightened.

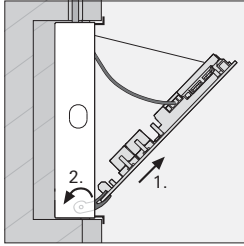
3. Fold out both lateral mounting retainers (1.), slide the front panel of the Door Station Stainless Steel into the mounting retainers (2.) and attach the catch strap of the front panel to the hook of the locking plate (3.).

4. Connect the 2-wire bus to the BUS terminals.

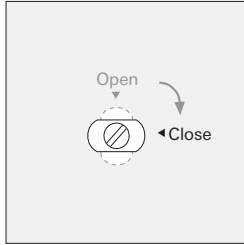


Jumpers between BUS and ZV

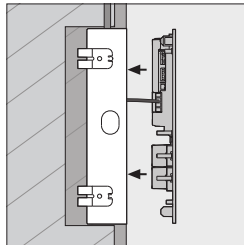
The wire jumpers between BUS and ZV are required for operation of the colour camera. Thus the illumination of the call buttons at the door station cannot be switched off. If an external power supply is connected to the ZV terminals, the jumpers must be removed.



5. Pull the front panel from the mounting retainers (1.) and fold these in (2.).



6. Position the **(lower)** fastening bolt(s) of the front panel to "Close".

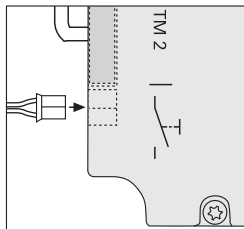



7. Mount the front panel onto the guide bolts and press it on until the upper and lower fastening bolts engage.

Start-up

Once all of the devices (door and home stations, control device etc.) have been installed, the door communication system can be started up. Start-up a door station is described in the system manual included with the control device.

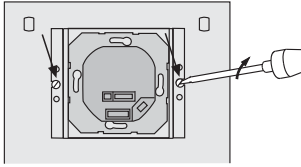
Multi-function input



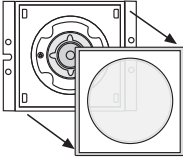
A mechanical push button can be connected to the multi-function input  of the stainless steel door station's built-in loudspeaker via the included connection cable.

The push button then has the same function as a call button and can therefore be used, for example, as a call button or for controlling a switching actuator.

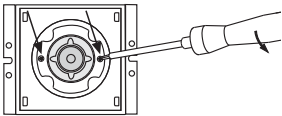
Setting range of coverage of colour camera



1. Remove the colour camera from the back of the front panel of the Door Station Stainless Steel: Loosen both screws of the attachment profile for this purpose.



2. Remove the camera cover plate from the demounted colour camera.

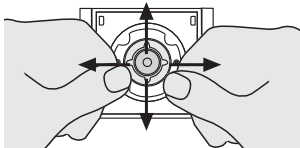


3. Slightly loosen both Torx screws to the left and right of the camera lens.

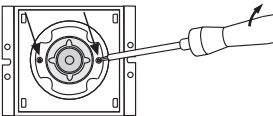


Do not take out the screws completely!

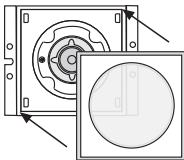
When adjusting the lens carrier, it is sufficient to slightly loosen the screws. Do **not** take out the screws completely from their brackets.



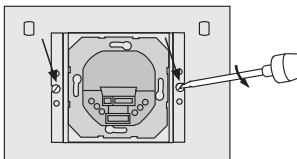
4. Set the camera lens in the desired direction.
5. For testing purposes, install the colour camera in the front panel and check on the TFT display of the connected home station whether the set angle of the camera lens is adjusted properly, and whether the view of the person in front of the door is optimal.



6. Remove the colour camera again and lock the lens carrier by tightening both Torx screws.

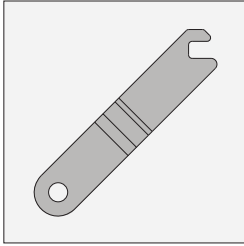


7. Mount the camera cover plate.

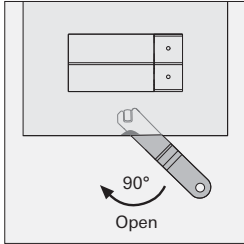


8. Mount the camera into the front panel of the Door Station Stainless Steel and fasten it. Ensure proper seating of the black seal.

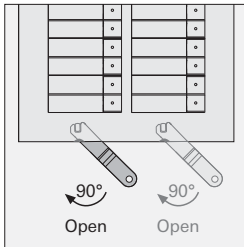
Opening of Door Station Stainless Steel



The included opening tool is required for opening the Door Station Stainless Steel.

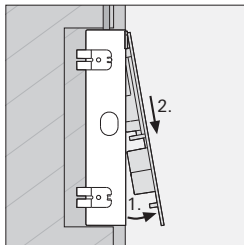


1. Turn the **(lower)** fastening bolt(s) with the opening tool to "Open".
Single-column door stations have one lower fastening bolt, double-column door stations have two lower fastening bolts.
The position of the fastening bolts is shown via small recesses on the lower side of the front panel.



Take care with plastered walls

With repeated opening of the door station with plastered walls, the opening tool may damage the plaster.



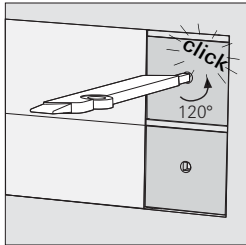
2. Lift the front panel from the lower attachment (1.) and pull it at an angle downwards from the upper attachment retainers (2.).

Replacing inscription label

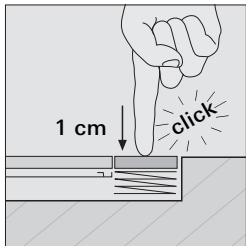
Inscription labels

For labelling the Gira Door Station Stainless Steel, use only Gira inscription labels. The transparent plastic labels are non-fading, weather-resistant and wrinkle-free.

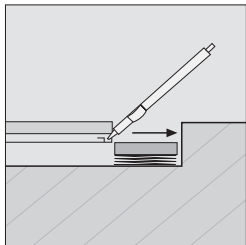
With the included release code, inscription labels for the first labelling are available free at www.marking.gira.com



1. Unlock the call button with the enclosed plastic key: twist the plastic key anti-clockwise until it engages.



2. Engage the call button:
press the call button firmly inwards by c. 1 cm.
✓ The call button engages and stays in the pressed position.

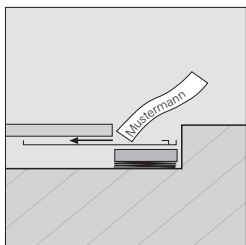


3. Grip under the glass cover with the flat side of the plastic key and twist out the inscription label carrier.

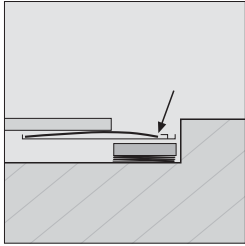


Do not remove the inscription label carrier.

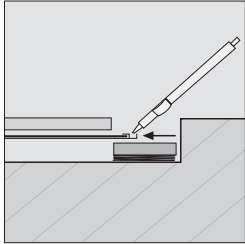
Do **not** lift and remove the inscription label carrier.



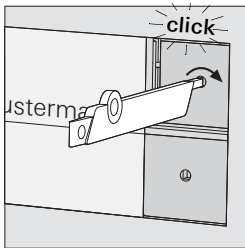
4. Remove the existing inscription label and slide the new inscription label into the inscription label carrier until it stops.



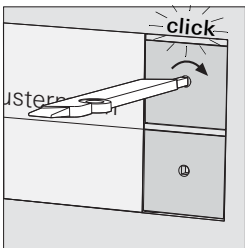
5. Position the inscription label underneath the clips of the inscription label carrier.



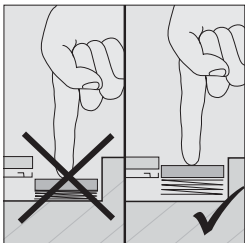
6. Slide in the inscription label carrier again.
At the same time, position the inscription label with your finger.



7. Release the call button:
To do this, press in the plastic key slightly and turn it clockwise until the call button is released from the lower position.



8. Lock the call button:
To do this, turn the plastic key clockwise again until it engages.



9. For function test, press the call button:
the call button is correctly locked when

- the call button **cannot** be pressed in deeply and
- an acknowledgement signal is heard when the call button is pressed.

If the call button is not correctly locked, please repeat step 8.

Operation

Volume setting

The volume can be set separately at each door station.
The volume setting must be made by two people.



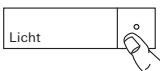
1. Press the "Systemprogr." button on the **control device** for 3 sec. to start programming mode.
2. Briefly press a previously assigned call button at the **door station**.
3. The second person accepts the door call at the **home station** (via receiver or speech button) and starts speaking.
4. Briefly press the call button again at the **door station**.
- ✓ Volume changes during the voice connection when the button is pressed.
There are four volume levels in total.
The next-highest volume is set with each press of the button.
When the loudest volume level is reached, the next press of the button sets the quietest volume level.
5. Ending the voice connection.
The most recently set volume level is saved in the door station.
6. Briefly press the "Systemprogr." button on the **control device** to exit the programming mode.

Initiating a call (ringing)



1. Press the call button to trigger a call tone at the assigned home station.
- ✓ The button press is confirmed by an additional acknowledgement tone.
- ✓ If the conversation is accepted by the home station, the microphone opening is illuminated blue.

Switching light on (in conjunction with a switching actuator)



1. Press the call button to switch on light or another device via an assigned switching actuator.
- ✓ The button press is confirmed by an additional acknowledgement tone.

Technical data

Connections:	2 screw terminals for 2-wire bus 2 screw terminals for additional supply 2 system bus connector strips (6-pole) 1 video connector strip (2-pole) 2 sabotage contact screw terminals
Power supply:	2 cameras via video control device 3. and 4th camera via external additional supply (24 V DC)
Protection type:	IP 44
Operating temperature:	-25 °C to +70 °C
Dimensions (W x H x D):	
1-gang, 2-gang:	140 x 265 x 60 mm (panel box) 160 x 285 x 3 mm (front panel)
3-gang, 4-gang:	140 x 332 x 60 mm (panel box) 160 x 352 x 3 mm (front panel)
6-gang, 8-gang, 9-gang:	140 x 417 x 60 mm (panel box) 160 x 437 x 3 mm (front panel)
10-gang, 12-gang:	250 x 265 x 60 mm (panel box) 270 x 285 x 3 mm (front panel)
Camera installation height	
Min. height:	1.20 m
Recommended installation height:	1.50 m
Image capture element:	CCD sensor 1/3"
Wide-angle objective:	150° aperture angle
Visible detection range:	100° angle of detection of the camera
Detectable area:	140° (with 20° swivelling)
Colour system:	PAL
Pixels:	500 (H) x 582 (V)
Horizontal resolution:	380 TV lines
Switching threshold colour to B/W operation:	1 Lux
Light sensitivity in B/W operation:	0.1 Lux
Electronic shutter close time:	up to 1/100000 s

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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