

Installation and electrical connection

The supporting plate ③ must be mounted on the wall before wiring.

Mounting the supporting plate

A 2-wire bus cable, and if necessary, a connection cable of the storey push-button are laid to the mounting location.

Recommended installation height: 1.5 m.

- Separate supporting element ⑩ on the pre-determined breaking point from the supporting plate.
- For installation on a wall box (Figure 6):
 - Mount the supporting element ⑩ onto wall box so that the smooth surface is pointing straight ahead and the outer cable tie mounts ⑰ are lying on the screw domes of the wall box.
 - Pre-align supporting element with 2 screws.

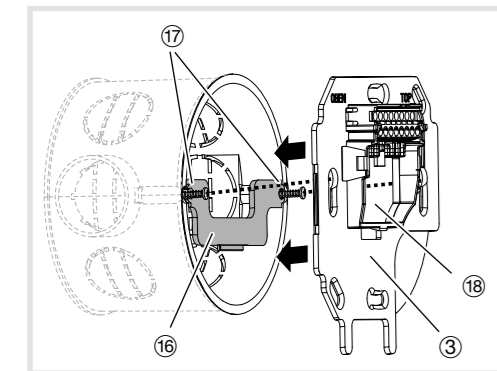


Figure 6: Installation on a wall box

- Supporting element ⑩
- Cable tie mounts ⑰
- Opening to the cable bushing ⑬

For surface-mounting without wall box:

- Mark the fixing holes with supporting plate ③. Observe alignment marks.
- Drill fixing holes and insert dowels.

For both installation modes:

- Run the stripped 2-wire bus cable through the middle opening ⑩ of the supporting plate.
- Also run the connection cable of the associated storey push-button through.
- Mount the supporting plate ③ onto the wall or the wall box with at least 2 screws. Observe alignment marks.

Connect device

Figure 7 shows a schematic view of the connection from the video indoor stations to the bus line power supply:

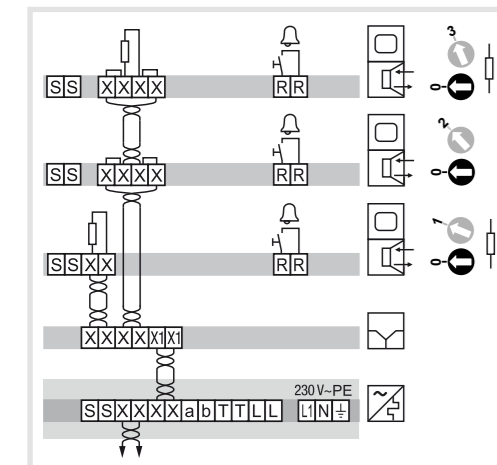


Figure 7: Connection to bus line power supply

- Indoor station VIDEO
- Video distributor 2gang
- Bus line power supply
- Wrapped wire pair for 2-wire devices (recommendation: white/yellow wire pair)

Additional audio and video indoor stations can be connected according to this principle.

For detailed system connection diagrams and information about cables see operating instructions of the bus line power supply.

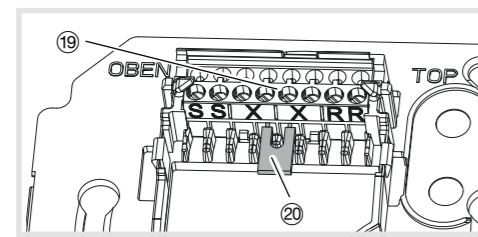


Figure 8: Connection terminal block

- Connection terminal block ⑰
- Terminating resistor/terminator ⑱
- Connect the stripped wires of the 2-wire bus cable to the connecting terminals X/X.

Both terminals X/X are each implemented twice (bridged) for incoming and outgoing 2-wire bus cable (Figure 8).

- If the indoor station is not the last intercom device in the branch/line, then remove the terminating resistor/terminator ⑱ from the terminals X/X.

- Connect the associated storey push-button to the connecting terminals R/R.

The terminals S/S are used for connecting the additional infeed, if necessary.

Mounting indoor station (display & operating unit) (Figure 9)

- Mount design frame ② in correct position on the back of the cover.

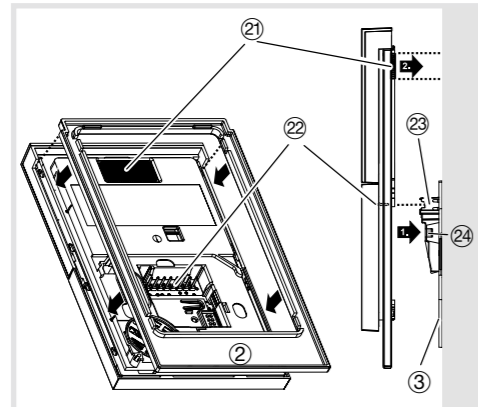


Figure 9: Installation

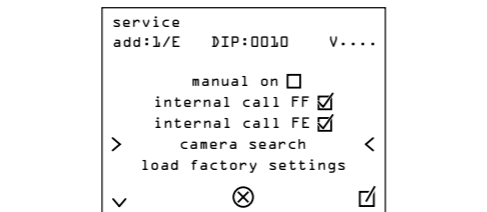
- Velcro fastening (optional) ②
- Pin header of the operating unit ②
- Cable connector of the connection terminal block ③
- Locking hook ④
- For installation on smooth walls the Velcro fastening ② may be used. To do this, remove adhesive foil.

When using the Velcro fastening the surface must be clean and free of dust. Do not use on sensitive wallpapers or on badly adhering surfaces.

- Align the indoor station in such way to the supporting plate ③ that the backside pin header ② is pointing to the cable connection of the connection terminal block ③.
- Mount the indoor station onto the supporting plate and carefully press on until the locking hooks ④ interlock.
- When using the Velcro fastening: Press indoor station above onto the wall at the height of the velcro fastening.

Expanded settings

The service menu page provides information about the device address, current DIP switch setting and firmware version. It also enables expanded settings.



Allowing/preventing manual switching-on of the camera

The video connection to the video door station is established automatically during the door call and terminated again automatically after the end of the call.

With the manual on function it is also possible to enable the camera of the door station that last called to be switched on via the indoor station without a door call.

If the checkmark is set, the camera symbol appears at the bottom right of the start page.

The camera can be switched on manually with the associated Softkey.

If several video door stations or additional cameras are installed in the same line, it is possible to toggle between the camera pictures by pressing repeatedly.

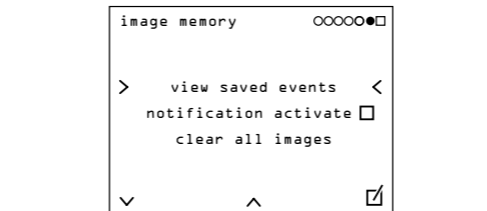
The device is not suitable for video monitoring!

Image memory

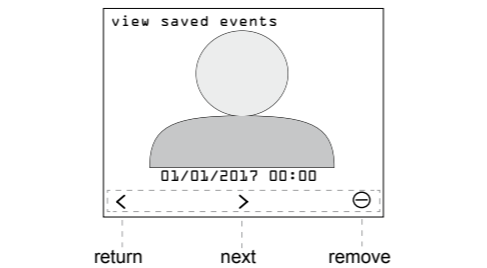
The image memory option will be functional when the system is connected to an "Access Gate" (TJA510 or RTD610A), since all image memory data are stored in this access gate.

When configuring the image capture option in the access gate, the image memory page will appear in the menu of the supporting plate on the first notification message transmitted by the access gate.

After the option was activated, the image memory page will appear in the menu.



The view saved events page allows to display all the images recorded and stored inside the access gate.



Date and time of the recorded image are displayed on the screen.

Use the keys < / > to scroll the recorded images/videos. To remove an image, use the key ⊖.

The function notification activated allows informing the user that an image queued up to play is recorded, LED lights up until the image is played. This function may be activated/deactivated.

The function remove all images allows the user to remove all the images stored in the access gate. When selecting this function, a request for confirmation is displayed before the full data are removed.

Authorize/prohibit the mute function

The mute function allows you to deactivate or activate the ring tone of call by simply pressing the key (crossed bell symbol). This function may be authorized/prohibited if desirable.

This function may be remotely activated/deactivated via a mobile terminal when the system is connected to an "Access gate".

Searching for cameras

The camera search function starts a search to determine all additional video cameras installed in the line.

- If this function is called, all current door cameras will be deleted from the memory of the indoor station.
- During the next respective door call, the door cameras are then reassigned.

Special functions

After selecting a function (F1 to F8), you can associate it with 8 special functions (see below) available via the "service" page (functions F1 to F8).

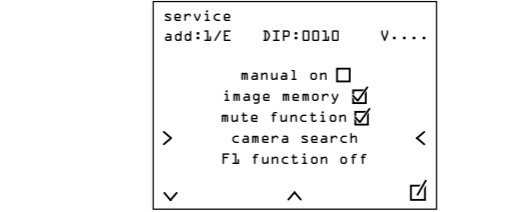
Special function	Task	Parameters/information
auto door release 6)	Automatic door release after pressing the call key on the outdoor plate.	Actuation time (time of opening door) 0 = 1s; 1 = 2s; 2 = 3s; ... ; F = 15s
sc autom. release	Automatic door release following storey call (bell push-button connected to the indoor station) via a 2-wire bus relay (e.g. RED114Y)	Relay activation time (time of opening door) 0 = 1s; 1 = 2s; 2 = 3s; ... ; F = 15s
2D-relay	Activation of a 2-wire bus relay, for instance to control lighting.	Relay address 0 to F
Internal call	Allows internal calls between indoor stations having the same group address.	Intercom address of the other indoor station (0 to F). Operates only in its own line and is not transmitted to the other lines via the coupler
Intern. connection	Connection between 2 indoor stations without ring tone. The 2 stations must belong to the same group	Intercom address of the other indoor station (0 to F). No need to activate parallel operation within indoor stations. Operates only in its own line and is not transmitted to the other lines via the coupler
Door release	Allows releasing the door from the indoor station, with no prior call from the outdoor plate.	Group address of the outdoor plate (0 to F). Operates only in its ownline and is not transmitted to the otherlines via the coupler
Video parallel	Makes it possible to display video on an indoor station, while an audio station has taken the call. The 2 stations must belong to the same group.	Intercom address of the other indoor station (0 to F). Operates only in its own line and is not transmitted to the other lines via the coupler
Internal call F	Allows internal calls to indoor stations having address group F.	Intercom address of the other indoor station (0 to F). Operates only in its own line and is not transmitted to the other lines via the coupler

This function may be remotely activated/deactivated via a mobile terminal when the system is connected to an access gate.

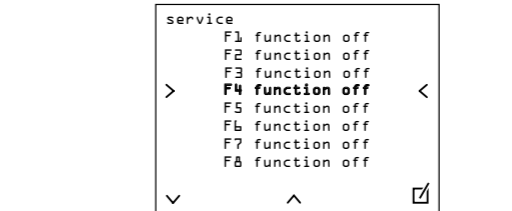
A detailed description of these functions can be found at: <http://www.hager.de>

Configuring a special function

- Select the service page: the 8 special functions are available.

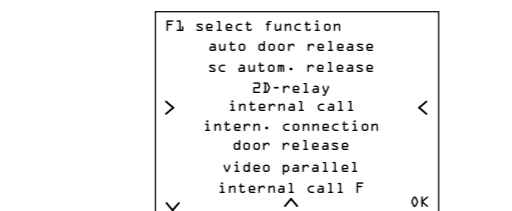
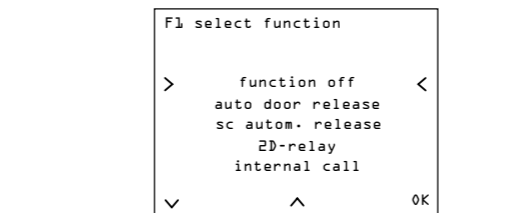


- Use the control keys < / > to select functions F1 to F8, then validate with the key ⊗.



If no function was programmed, the 8 functions are displayed as "F1... F8 function deactivated".

- After selecting a function (e.g. F1), a page F1 function selection displays the list of special functions. Select the special function desired using the keys < / > then validate with key OK.



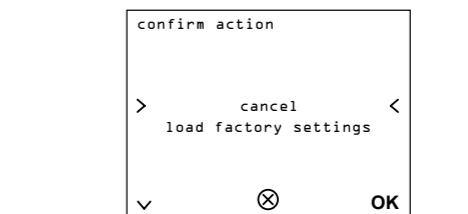
After selecting the special function and the value of its parameter, the special functions page will be displayed in the top menu

Resetting to factory settings

The device software can be reset to factory settings. The DIP-switch configuration remains unchanged.

- Under service menu press < / > to select the load factory settings option and confirm with ⊗.

A prompt appears:



- Press < / > to select load factory settings and reset the software with OK.

or:

- Press OK to cancel the action.

Appendix

Technical data

Supply voltage X/X via bus	22 ... 24 V=
Current consumption (operation)	max. 220 mA
Current consumption (Stand-by)	≈ 12 mA
Sound pressure level ring tone via loudspeaker at a distance of 0.5 m	78 dB(A)
Call volume (hands-free)	max. 65 dB(A)
TFT display size	3.5"
Resolution of graphical display	320 x 240 px
Degree of protection	IP 30
Operating temperature	5 °C ... 50 °C
Connecting terminal for conductor cross-section	max. 0.75 mm²
Dimensions including design frame (W x H x D)	93 x 163.5 x 16 mm

Standards

Ring tone volume (signal) according to EN 50486



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