

Audio indoor station  
 Video indoor station  
 Modules

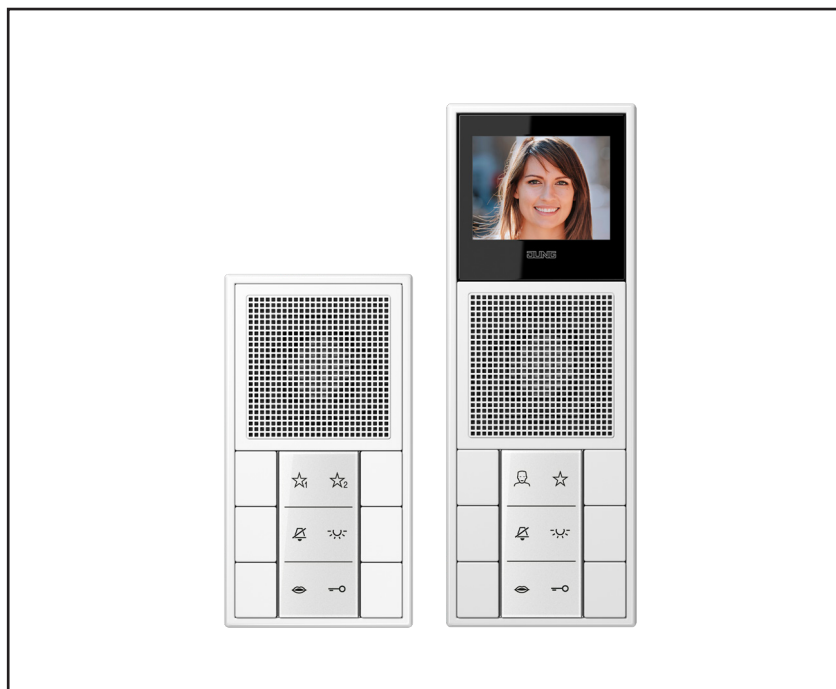
SIEDLE Systemtechnik  
 In-Home

JUNG

SI AI ..  
 SI VI ..  
 SI TM .. / SI VM .. / SI AM ..



Operating instructions



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## Safety instructions



Electrical equipment may only be installed and fitted by electrically skilled persons. Failure to observe the instructions may cause damage to the device and result in fire and other hazards.

This product is only intended for use in dry rooms.

These instructions are an integral part of the product and must remain with the end customer.

## Intended use

### Application

- Bus handsfree telephone for Siedle In-Home bus
- Flush mounting
- Optional video function

### Audio indoor station:

- Mounting in two flush mounting junction boxes in compliance with DIN 49073
- Mounting in surface caps .. 582 A .. is possible

### Video indoor station:

- Mounting in three flush mounting junction boxes in compliance with DIN 49073
- Mounting in surface caps .. 583 A .. is possible

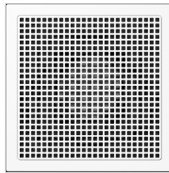
## Device variants

### Modules

The modular system comprises the following individual components, which are linked using the provided colour-coded connection cables designed for failsafe connection:

#### a. Audio module

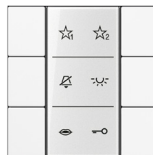
The audio module is the core element of every functioning combination.



It incorporates terminals for the Siedle In-Home bus, the storey call button and other modules.

#### b. Standard push-button module

The standard push-button module is used for the operation of audio systems or for adding extra buttons. The inscription field cannot be illuminated.



The push-button module comes with an audio connection cable (red, 220 mm) and the finished inscription for audio/video.

It is not possible to add another push-button module to a standard push-button module.

### c. Universal push-button module

The universal push-button module is used for the operation of audio or video systems or for adding extra buttons. The inscription field can be illuminated.



The push-button module comes with an audio connection cable (red, 220 mm) and the finished inscription for audio/video.

The supplementary supply for the video module and/or inscription field illumination is connected using this module. It is possible to connect another push-button module to a universal push-button module. A maximum of two push-button modules are possible.

### d. Video module

The video module is used to display camera images from the connected door station.



The video module is supplied together with the video connection cable (black, 220 mm).

### Functioning combinations

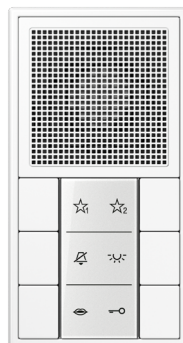
The following devices can be combined using modules a. - d.:

## Audio indoor station

The audio indoor station SI AI .. is supplied complete as a functioning unit.

Included in delivery of SI AI ..

- Audio module
- Standard push-button module
- Cover kit for push-button module
- Transparent nameplate with labelling foils for audio/video
- Audio connection cable (red, 220 mm)
- 6-gang connection block with terminating resistor
- 2 supporting frames
- Product information

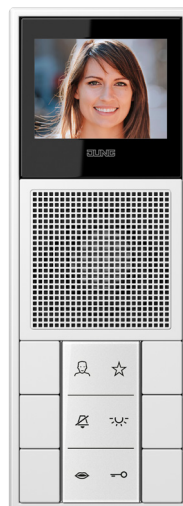


## Video indoor station

The video indoor station SI VI .. is supplied complete as a functioning unit.

Included in delivery of SI VI ..

- Audio module
- Universal push-button module
- Video module
- Cover kit for push-button module
- Transparent nameplate with labelling foils for audio/video
- Audio connection cable (red, 220 mm)
- Video connection cable (black, 220 mm)
- 6-gang connection block with terminating resistor
- 2-gang connection block for universal push-button module
- 3 supporting frames
- Product information



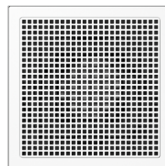
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## Secondary signal unit (bell)

The secondary signal unit corresponds to the audio module. This can be purchased under the article number SI AM ... As this module does not have any buttons, a storey call button must be connected during manual commissioning or commissioning using the Bus Programming Software.

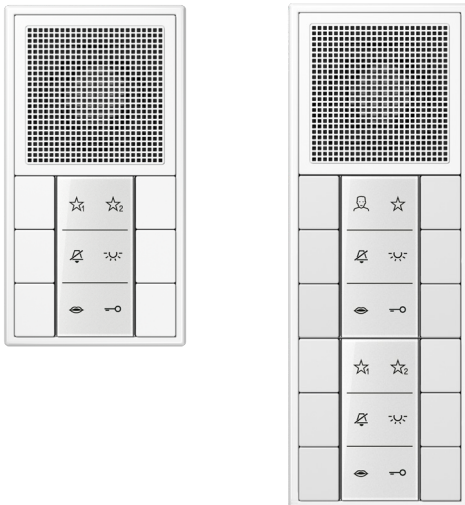
Included in delivery of SI AM ..

- Audio module
- 1 supporting frame
- 6-gang connection block with terminating resistor
- Product information



### Audio indoor station variants

The audio indoor station can be extended with 6 additional buttons by means of a universal push-button module. This increases the number of buttons which can be used for functions such as internal calls, control, switching, direct door dialling and additional convenience functions.



Possible combinations:

1 x audio module

1 x standard push-button module

1 x audio module

1 x universal push-button module

1 x audio module

1 x universal push-button module

1 x standard push-button module

1 x audio module

2 x universal push-button modules

### Note

The combinations shown here are only provided as examples.

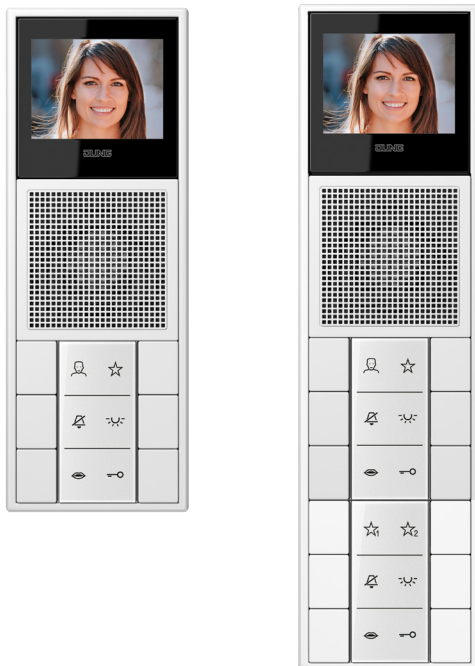
Installation can take place in combination or individually - horizontally or vertically.

The modules are combined with the usual frames of the design ranges AS, A, CD or LS. The frames are not included in the delivery.



## Video indoor station variants

The video indoor station can be extended with 6 additional buttons by means of a standard/universal push-button module. This increases the number of buttons which can be used for functions such as internal calls, control, switching, direct door dialling and additional convenience functions.



Possible combinations:

- 1 x video module
- 1 x audio module
- 1 x universal push-button module

- 1 x video module
- 1 x audio module
- 1 x universal push-button module
- 1 x standard push-button module

- 1 x video module
- 1 x audio module
- 2 x universal push-button modules

### Note

The modules are interconnected using the supplied connecting cables. Connection to the Siedle In-Home bus takes place at the audio module. For separate mounting, 700 mm long connecting cables are required.

## Accessories

The following accessories can be ordered in addition to the modules and modular indoor stations:

### Connection cable 700 mm (audio/video)

Using the optionally available connection cables, the modules can be positioned up to 500 mm apart from each other.

### Individual inscription using design covers

The push-button modules include a transparent nameplate with labelling foil for audio and video. Alternatively, the design covers of the F 50 push-button modules can be inserted in the inscription field and individually inscribed using the JUNG graphic tool.

Symbol covers already labelled for audio and video are available under the following article numbers:

Audio SI A6 .. DC ..

Video SI V6 .. DC ..

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## Product characteristics

### Standard push-button module

- 5 LEDs as indicators (e.g. door open) without additional wiring
- Ready status indicated by an LED
- Optical call indication by flashing LED at the speech button
- Inscription field
- Labelling foils with symbols for audio and video included
- Audio connection cable (red, 220 mm) included

### Universal push-button module

- 5 LEDs as indicators (e.g. door open) without additional wiring
- Ready status indicated an LED
- Optical call indication by flashing LED at the speech button
- Illuminated inscription field
- Labelling foils with symbols for audio and video included
- Audio connection cable (red, 220 mm) included
- Connection for supplementary supply (required for operation of a video module, illumination of the inscription field in the universal push-button module, and when connecting a second push-button module).
- Connection for an additional push-button module (standard or universal, max. 2 push-button modules per indoor station)

### Video module

- TFT colour monitor
- Screen diagonal in A range: 55 mm (2.2")
- Screen diagonal in LS and CD range: 70 mm (2.7")
- 320 x 240 pixels
- Brightness and colour setting
- Video connection cable (black, 220 mm) included
- Operation only in combination with universal push-button module and audio module

### Audio module

- Can also be used as a secondary signal unit (bell)
  - Calling and storey call
  - 2-wire installation (J-Y(St)Y 2 x 2 x 0.8), protected against polarity reversal
-

- 
- Parallel switching (simultaneous calling) of max. 4 audio modules or audio indoor stations (from the 3rd device, Siedle BPS is required for programming)
  - High-quality sound and great loudspeaker dynamics
  - Elektret condenser microphone
  - Connection for Siedle In-Home bus
  - Connections for storey call button and to additional modules
  - Call generator with 11 ring tone melodies, including chime
  - Ring tone volume adjustable in 5 steps up to 92 dB(A)
  - Voice volume adjustable in 5 steps
  - Programming manual, Plug+Play and using Siedle bus programming software (BPS), in accordance with the Siedle system manual
  - Automatic call pickup with internal call

### **Audio indoor station**

- Calling, speech, door release, light, storey call, switching/control functions and internal communication
- 2-wire installation (J-Y(St)Y 2 x 2 x 0.8), protected against polarity reversal
- Speech button with green status LED
- Light, call silencing, and two function buttons are freely configurable. Button functions can be triggered without supplementary installation, e.g. for internal telephony, to initiate switching/control functions in conjunction with the Siedle bus switching module BSM/BSE 650-..., selective dialling of door loudspeakers
- Using the BPS, a switching function can be configured to the door release button (in conjunction with the Siedle bus switching module BSM/BSE 650-..).
- Integrated audio privacy function
- Parallel switching (simultaneous calling) of max. 4 audio modules or audio indoor stations (from the 3rd device, Siedle BPS is required for programming)
- Speech connection possible at any time, also without a preceding door call
- High-quality sound and great loudspeaker dynamics
- Elektret condenser microphone
- Connection for Siedle In-Home bus
- Connection for storey call button
- Call generator with 11 ring tone melodies, including chime
- Ring tone volume adjustable in 5 steps up to 92 dB(A)

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- Voice volume adjustable in 5 steps
  - Programming manual, Plug+Play and using Siedle bus programming software (BPS), in accordance with the Siedle system manual
  - Indoor station with handsfree communication
  - Status indication during active speech connection
  - Call silencing with status indication
  - Call differentiation for storey call, 2 door calls and internal call
  - Door release / light function at any time via bus line
  - Door call pickup
  - Group formation for door calls. Each indoor station can belong to up to 4 groups in the same line.
  - Intercom functions:
    - Call forwarding
    - Internal group call
    - Automatic call pickup with internal call
    - Doormatic
  - 5 LEDs as indicators (e.g. door open) without additional wiring
  - Ready status indicated by an LED
  - Optical call indication by flashing LED at the speech button
  - Inscription field
  - Labelling foils with symbols for audio and video included
  - Audio connection cable (red, 220 mm) included

### **Video indoor station**

- TFT colour monitor
- Screen diagonal in A range: 55 mm (2.2")
- Screen diagonal in LS and CD range: 70 mm (2.7")
- 320 x 240 pixels
- Brightness and colour setting
- Video connection cable (black, 220 mm) included
- Calling, speech, vision, door release, light, storey call, switching/control functions, and internal communication
- 2-wire installation (J-Y(St)Y 2 x 2 x 0.8), protected against polarity reversal
- Automatic video connection at door call
- Speech button with green status LED

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- Light, mute, monitor and function button are freely configurable. Button functions can be triggered without supplementary installation, e.g. for internal telephony, to initiate switching/control functions in conjunction with the Siedle bus switching module BSM/BSE 650-.., selective dialling of door loudspeakers/cameras
  - Using the BPS, a switching function can be configured to the door release button (in conjunction with the Siedle bus switching module BSM/BSE 650-..).
  - Integrated audio and video privacy function
  - Parallel switching (simultaneous calling) of max. 16 video indoor stations (from the 3rd device, Siedle BPS is required for programming)
  - Speech/video connection at any time, also without a preceding door call
  - High-quality sound and great loudspeaker dynamics
  - Elektret condenser microphone
  - Connection for Siedle In-Home bus
  - Connection for storey call button
  - Call generator with 11 ring tone melodies, including chime
  - Ring tone volume adjustable in 5 steps up to 92 dB(A)
  - Voice volume adjustable in 5 steps
  - Programming manual, Plug+Play and using Siedle bus programming software (BPS), in accordance with the Siedle system manual
  - Indoor station with handsfree communication
  - Status indication during active speech connection
  - Call silencing with status indication
  - Call differentiation for storey call, 2 door calls and internal call
  - Door release / light function at any time via bus line
  - Door call pickup
  - Group formation for door calls. Each indoor station can belong to up to 4 groups in the same line.
  - Intercom functions:
    - Call forwarding
    - Internal group call
    - Collective announcement
    - Automatic call pickup with internal call
    - Doormatic
  - 5 LEDs as indicators (e.g. door open) without additional wiring
  - Ready status indicated by an LED
-

- 
- Optical call indication by flashing LED at the speech button
  - Illuminated inscription field
  - Labelling foils with symbols for audio and video included
  - Audio connection cable (red, 220 mm) included
  - Connection for supplementary supply (required for operation of a video module, illumination of the inscription field in the universal push-button module, and when connecting a second push-button module).
  - Connection for an additional push-button module (standard or universal, max. 2 push-button modules per indoor station)

## Operation



Speech button



Door release



Mute button (+)



Light button (-)



Monitor button (only with video)



Function button (with audio, marked 1 and 2)

## Accepting door calls

When a visitor presses the door bell, the indoor station rings and the speech button LED flashes.



The call can be accepted by briefly pressing the speech button within 45 seconds after the last door call.

During the call, the speech button LED is alight.

The call is ended by briefly pressing the speech button again.

## Actuating the door release



When you press the door release button, the door from which the last call came is opened for 3 seconds. The LED of the door release button lights up as confirmation.

## Switching off the ring tone



Pressing the mute button briefly will switch all ring tones off and then on again. The LED of the mute button lights up in red to indicate that the call silencing is active.

If a visitor rings the doorbell, this is indicated only by the speech button LED flashing for as long as the indoor station is mute.



## Switching on the light



When you press the light button, the lighting is switched on, provided this has been connected by your electrician. The LED of the light button lights up as confirmation.

## Dialling the door station



Press the speech button to make a speech connection to the door station from which the last call came.

## Voice volume



During a call, the voice volume can be set the mute button (+) or light button (-).

## Switching over the speech direction

This handsfree telephone transmits speech in only one direction and switches over automatically.



If the automatic switch-over function does not work due to loud background noise at the door station, it is possible to switch over the speech direction from indoors to outdoors by pressing and holding down the speech button.

If this button is released, the speech direction switches over from the door station to the indoor station.

## Inscription field illumination (only universal push-button module)



By pressing the light button for 3 seconds, the inscription field illumination is switched on or off respectively.

## Configuration

### Ring tone volume

The ring tone volume can be set in 5 different steps:



Hold down the mute button for 3 seconds to hear the set ring tone volume.



The volume can be set by the mute button (+) or light button (-).



Save the selected volume by pressing the mute button for 3 seconds.

## Ring tone melody

You can choose between 11 ring tone melodies.

The ring tone for the last call (door call, storey call, internal call, group call) is always set. Before changing the setting, you will therefore have to first initiate the call you wish to change.



Press and hold down the door release and light button simultaneously for 3 seconds to hear the set ring tone melody.



The ring tone can be selected by pressing the mute button (+) or light button (-).



Save the selected ring tone by pressing the mute button for 3 seconds.

## Button assignment



### Button assignment

The buttons of the indoor station can be used e.g. for making internal calls or for switching and control functions. Each button is assigned to an LED to indicate switching statuses.

For further information, please contact your electrician.

## Video functions

### Switching on the monitor (only with video)



Pressing the monitor button will show the camera picture from the door station which placed the last door call. This function is not possible during a call.

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### Setting the brightness (only with video)



When a video image is displayed, holding down the mute button for a long time changes the brightness setting of the video image.

The brightness can be set at 7 different levels.



Every time the mute button (+) or light button (-) is pressed, the system changes to the next or previous level.

If no button is actuated for a period of 10 seconds, the setting mode is deactivated. The last set brightness level is stored.

### Setting the colour (only with video)



When a video image is displayed, holding down the light button for a long time changes the colour setting of the video image.

The colour can be set at 7 different levels.



Every time the mute button (+) or light button (-) is pressed, the system changes to the next or previous level.

If no button is actuated for a period of 10 seconds, the setting mode is deactivated. The last set colour value is stored.

### Setting the microphone sensitivity

Depending on the installation environment, it may be necessary to change the microphone sensitivity of the indoor station in order to permit clear speech transmission.



If a speech connection exists, press the door release button and light button simultaneously for 3 seconds until an acknowledgement tone is audible.



Using the mute button (+) or the light button (-), the microphone sensitivity can be set at 3 levels.



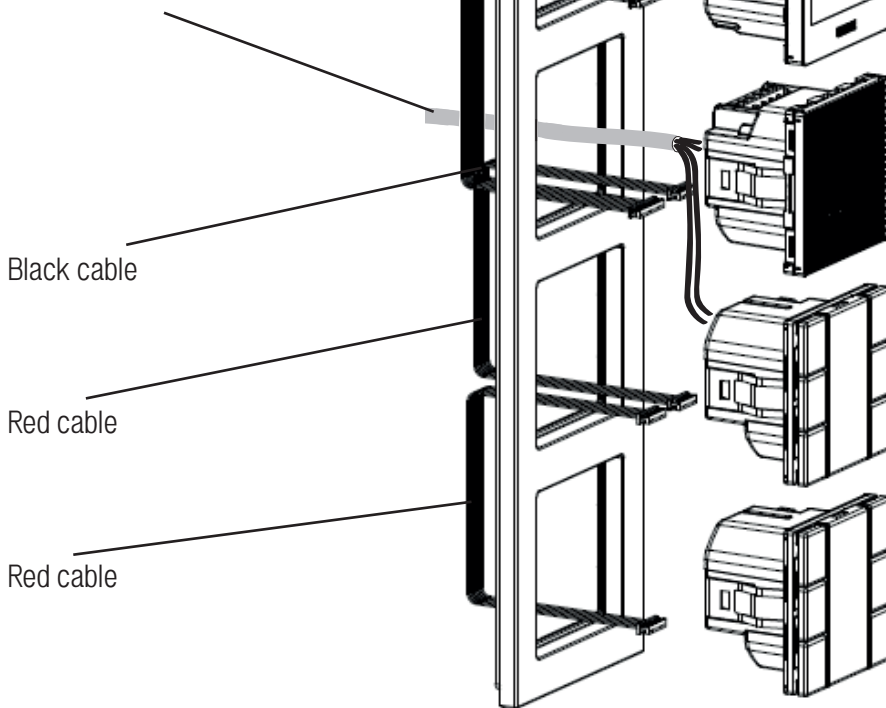
Save the set microphone sensitivity by pressing the mute button for 3 seconds. If no input is made within 10 seconds, the microphone setting switches off again.

## Mounting

The recommended mounting height is 1.50 m.

Siedle

In-Home bus (where applicable  
supplementary supply +  
storey call button)



Each module is mounted in a flush-mounting junction box in compliance with DIN 49073. We recommend using a deep junction box for mounting. Mounting takes place using the provided supporting frames.

## Rear view:

Mounting can take place in combination or individually - horizontally or vertically.

The modules are combined with the frames of the design ranges AS, A, CD or LS.

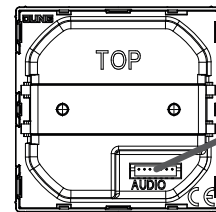
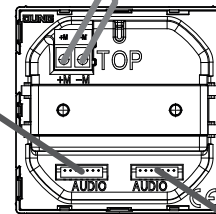
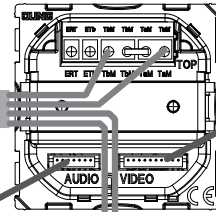
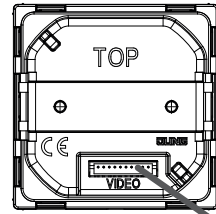
The modules are interconnected using the supplied connection cables.

Connection to the In-Home bus takes place at the audio module.

For separate mounting, 700 mm long connection cables are required.

A supplementary supply is connected at the universal push-button module.

Here, the two audio connecting jacks are interchangeable.



## Safety instructions



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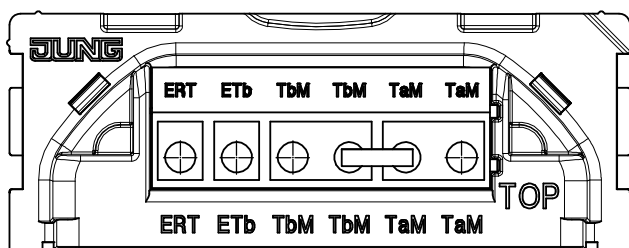
## Connecting the cables

Cable type: Telecom cable J-Y (St) Y with twisted pairs. The customary diameter is 0.6 mm or 0.8 mm.

- Remove the plug-in screw terminal.
- Connect the cables in accordance with the inscription (TaM TbM).
- A storey call button must be connected between the terminals ERT and ETb.
- Plug the screw terminal back into place.
- Ensure that the terminals are positioned correctly.

## Terminal assignment

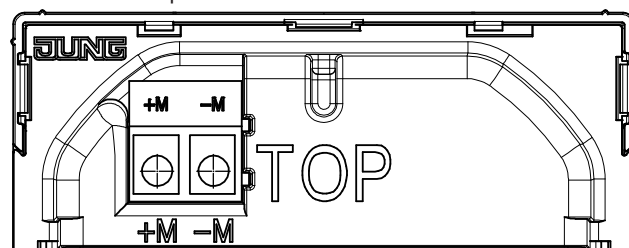
at the audio module:



TaM / TbM = Siedle In-Home bus terminal

ERT / ETb = Storey call button terminal

at the universal push-button module:



M+ / M- = Supplementary supply terminal (max. 30 V DC)

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## Safety instructions



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This product is only intended for use in dry rooms.

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## Terminating resistor

A terminating resistor is connected in between TaM and TbM. This terminating resistor is required if the modular indoor station is the last device in a video line.

If you loop the bus through the modular indoor station, this terminating resistor must be removed.

## Commissioning

Installation, commissioning and programming are described in the Siedle system manual (enclosed with the Siedle bus line rectifiers BNG/BVNG 650-..).



Localization of a secondary signal unit in the Siedle Bus Programming Software is only possible via a connected storey call button.

## Cleaning

Ensure that no water penetrates the device. Do not use aggressive or abrasive cleaning agents. Clean the device using a dry or slightly damp cloth.

Remove heavy soiling with a mild household detergent.

## Warranty

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



The CE-sign is a free trade sign addressed exclusively to the authorities and does not include any warranty of any properties.

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The logo for JUNG, featuring the word 'JUNG' in a bold, outlined, sans-serif font.

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Subject to changes.

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