# Classe100 V16B handsfree video internal unit

**344652**

## Description

2 WIRES handsfree video internal unit with 5" colour LCD display.
It has 2 physical keys for the control of the main video door entry functions – answer and end a call – and 3 capacitive keys that allow the door lock release, the entrance panel activation/scrolling and the customisation of most frequently used quick action – e.g. staircase light control, intercom, additional door lock activation, generic activations.
The device has a side joystick to adjust: colour, brightness and display contrast, audio and call tone volume.
There is a call exclusion notification LED.
The installation can be made to the wall using the bracket (supplied) or using table support to be purchased separately.

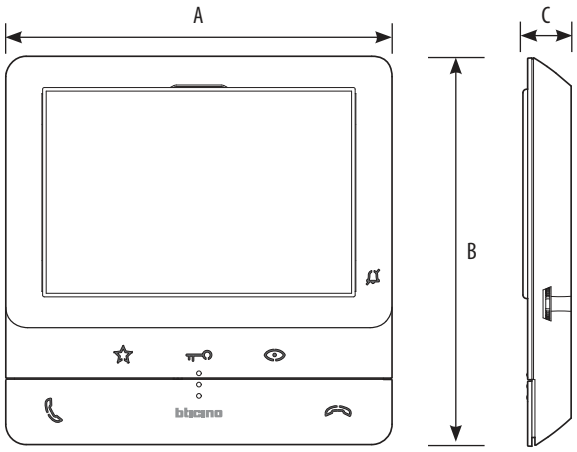
## Related items

344692 Tabletop support

## Technical data

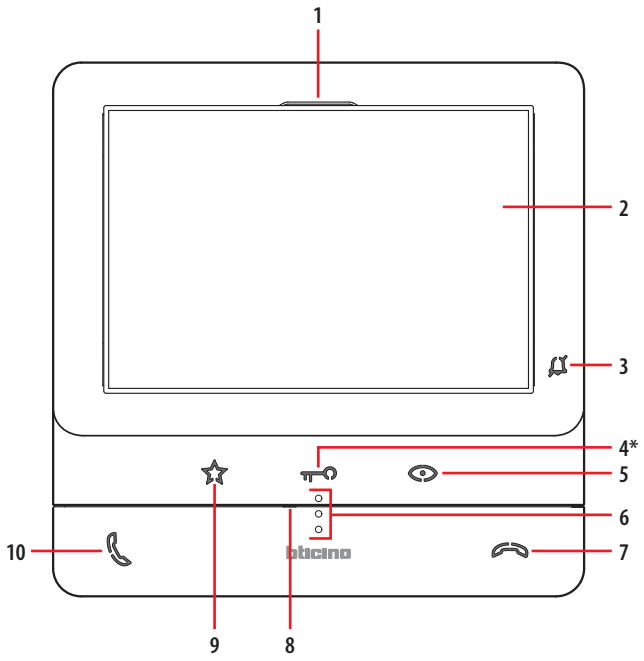
| | |
|---|---|
| Power supply | 18 – 27 Vdc |
| Stand by absorption | 10 mA |
| Max. absorption | 250 mA max |
| Maximum cable section for each clamp | 2 x 1 mm$^2$ |
| Operating temperature | 5 – 40 °C |

## Dimensional data




| A | B | C |
|---|---|---|
| 164 mm | 165 mm | 20,5 mm |

Front view




## Legend

When pressed, the keys light up and emit a "beep" (that can be deactivated by procedure).

1. Loudspeaker
2. 5" (16:9) display
3. Bell exclusion notification LED
   Red LED flashing: bell excluded
4. Door lock release touch key *
5. Entrance panel/scrolling activation touch key
6. Tactile guides for the blinds
7. Communication enabling key
   Red LED flashing: call in progress
8. Microphone
9. Favourites/staircase light control touch key
10. Communication enabling key
    Green LED flashing: incoming cal

*** If the LEDs flash white when pressed, the "safe door lock" function is active and the key is deactivated.**

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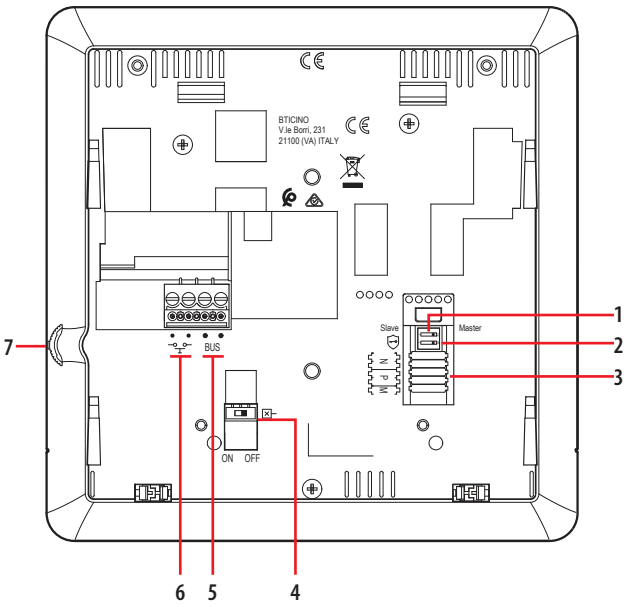
Rear view

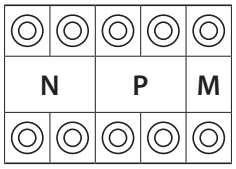



## Legend

1. Slave / Master function microswitch
2. Line termination ON / OFF micro-switch.
   ON=
   **To activate the function with device not powered**
3. Configurator socket
4. Line termination ON / OFF micro-switch.
5. 2 wires SCS BUS connection clamps.
6. Clamps for the connection of an external call to the floor pushbutton
7. Joystick for adjustments and programming

## Configuration

**The device must be only physically configured.**




**N - internal unit number**

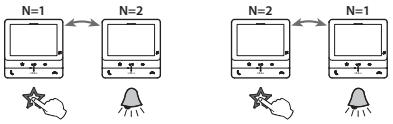
The configurators connected to the N sockets of the device assign an identification number within the system to each video internal unit. The internal units must be configured in progressive order. Internal units with parallel connection (max 3 are allowed inside apartments without item 346850) must be configured using the same N configurator. In parallel with the main video internal unit, additional internal units, video internal units and/or ringtones may be installed.

**P – entrance panel association**

The configurators connected to the P sockets of the device identify the associated EP, which is the first entrance panel that switches itself on when the pushbutton is pressed the first time, as well as which door lock is activated when pressing the door lock pushbutton while the video internal unit is idle.

**M – operating mode**

The configurators connected to the M sockets of the device assign the operating modes to the 3 programmable keys based on the following indications.

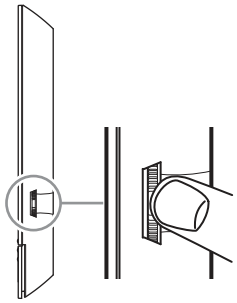
| MODE | KEY | FUNCTION | NOTES |
|---|---|---|---|
| **M = 00** | | Direct EP door lock **activation** (EP configured with the same P), or activation of the EP upon connection | |
| | | **Activation of the EP** (configured with the same P) directly without call. Scrolling of EP and cameras installed in the system. Direct call to the switchboard, if present in the system and appropriately configured. | |
| | | Actuator **activation** for staircase light pushbutton | |
| **M = 01** | | Direct EP door lock **activation** (EP configured with the same P), or activation of the EP upon connection | |
| | | **Activation of the EP** (configured with the same P) directly without call. Scrolling of EP and cameras installed in the system. Direct call to the switchboard, if present in the system and appropriately configured. | |
| | | **EP door lock release** (configured with P+1), directly without call, or activation of the actuator 346210 - 346200 (configured with P+1 and MOD=5), or activation of door lock actuators 346230 - 346260 (configured with P1) | |
| **M = 02** | | Direct EP door lock **activation** (EP configured with the same P), or activation of the EP upon connection | |
| | | Internal **intercom**. It sends the call to all the internal units with the same address | |
| | | Actuator **activation** for staircase light pushbutton | |
| **M = 03** | | Direct EP door lock **activation** (EP configured with the same P), or activation of the EP upon connection | |
| | | **Activation of the EP** (configured with the same P) directly without call. Scrolling of EP and cameras installed in the system. Direct call to the switchboard, if present in the system and appropriately configured. | |
| | | Internal **intercom**. It sends the call to all the internal units with the same address. | |
| **M = 04** | | Direct EP door lock **activation** (EP configured with the same P), or activation of the EP upon connection | |
| | | "PRESET INTERCOM" function with intercommunicating call to the Handset configured with N=1. From the system handsets it is possible to send an intercom call to the handset configured with N= 1. The internal unit configured with N=1 receives Intercom calls but does NOT send them. | |
| | | Actuator **activation** for staircase light pushbutton | |
| **M = 05** | | Direct EP door lock **activation** (EP configured with the same P), or activation of the EP upon connection | |
| | | **Activation of the EP** (configured with the same P) directly without call. Scrolling of EP and cameras installed in the system. Direct call to the switchboard, if present in the system and appropriately configured | |
| | | **Intercom** inside the apartment, in systems with apartment interface 346850, or **intercom** among apartments in systems without apartment interface |   |
| **M = 06** | | Direct EP door lock **activation** (EP configured with the same P), or activation of the EP upon connection | |
| | | **Activation of the EP** (configured with the same P) directly without call. Scrolling of EP and cameras installed in the system. Direct call to the switchboard, if present in the system and appropriately configured | |
| | | General **intercom**, it sends the call to all the apartment devices, in systems with apartment interface 346850, or **intercom** towards all the apartment devices in systems without apartment interface 346850 | |
| **M = 07** | | Direct EP door lock **activation** (EP configured with the same P), or activation of the EP upon connection | |
| | | **Activation of the EP** (configured with the same P) directly without call. Scrolling of EP and cameras installed in the system. Direct call to the switchboard, if present in the system and appropriately configured | |
| | | **Activation of the EP** (configured with P+1) directly without call or activation of the actuator 346200 – 346210 (configured with P+1 and MOD=9) | |

## Device adjustments and settings

Using the joystick it is possible to perform adjustments (Adjustments and/or Parameter Adjustment menu during Audio/Video connection) and settings (Settings menu)

### Use of the joystick

You must use the joystick on the side of the device to navigate on the menu and select the settings.



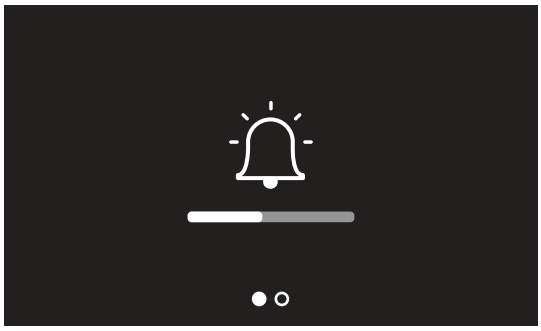
**Symbol legend**

| SYMBOL | ACTIONS TO BE PERFORMED | FUNCTION |
|---|---|---|
| | Press | Confirm/access the Adjustments mode |
| > 8 sec | Press and hold down for more than 8 sec | Access the Settings mode |
| | Move the joystick up (when released, it returns to central position) | Previous page/increase level |
| | Move the joystick down (when released, it returns to central position) | Next page/decrease level |

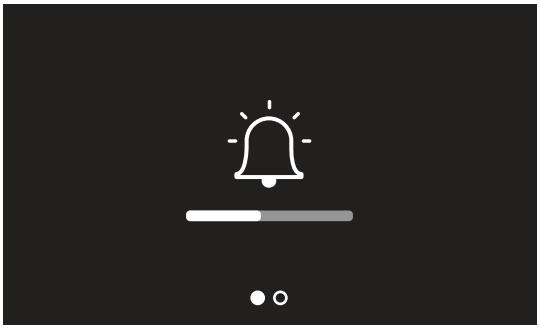
## Adjustments

ADJUSTMENTS MENU

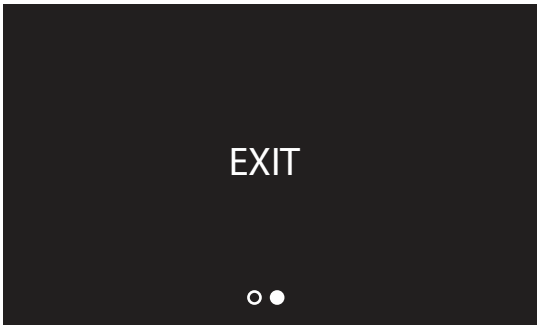
From stand-by press the joystick to activate the display



Move the joystick up/down to select the page among:



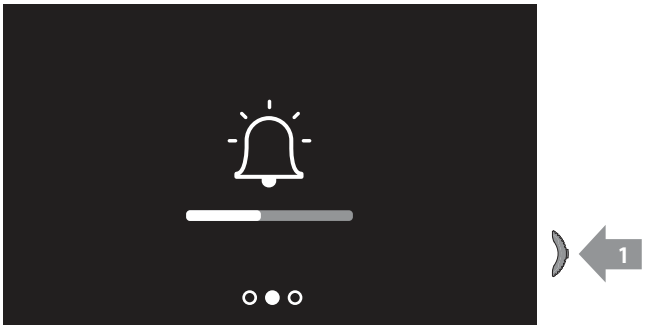
Adjust the ringtone volume



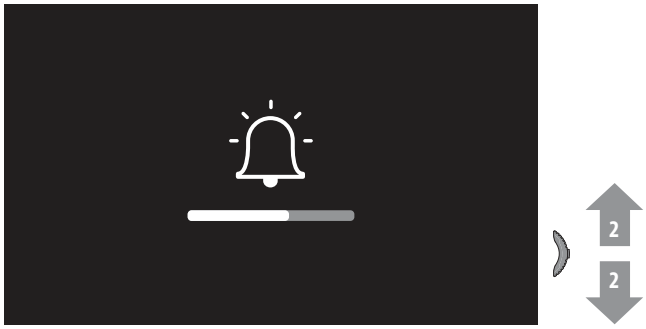

Exit the menu

RINGTONE VOLUME ADJUSTMENT

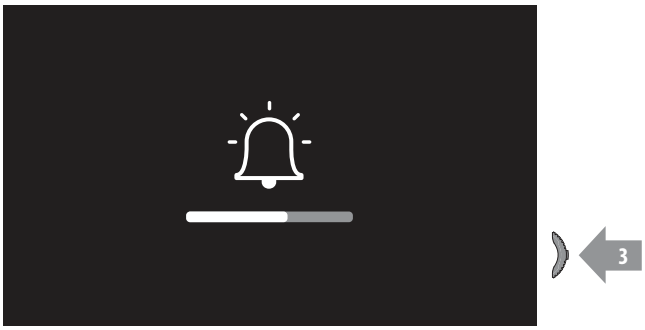
From stand-by press the joystick to activate the display and select the corresponding page



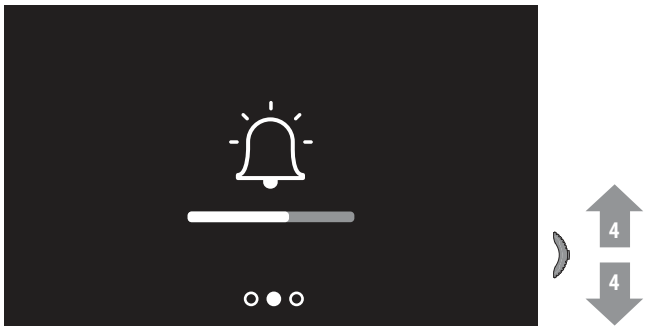

1 Press the joystick to adjust the volume.
The ringtone is played at the set volume level




2 Move the joystick up/down to select the volume level (1 – 8).




3 Press the joystick to confirm the setting or wait for the timeout



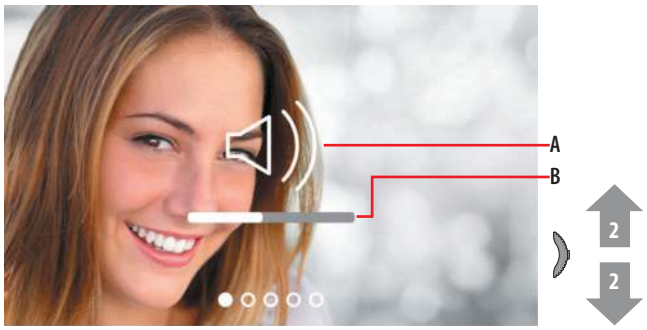

4 Move the joystick up/down to select another setting or the last page to exit

The minimum level corresponds to the exclusion of the ringtone.
The corresponding LED flashes red.

AUDIO/VIDEO PARAMETER ADJUSTMENTS

During a connection to an internal unit or entrance panel, it is possible to modify the speaker volume and, only for audiovideo devices, the colour, contrast and brightness of the image.

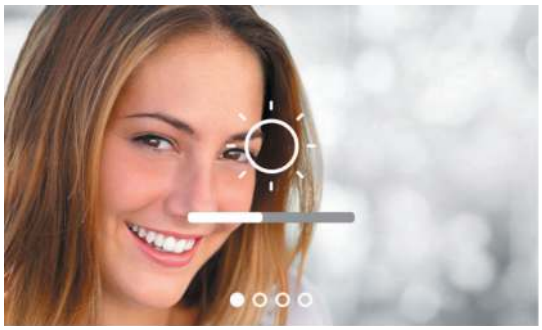
1 During a connection press the joystick to modify the parameters




The page shows the type of parameter (A) and the set level (B)

2 Move the joystick up/down to select the type of parameter for which you want to modify the value (see the following table)

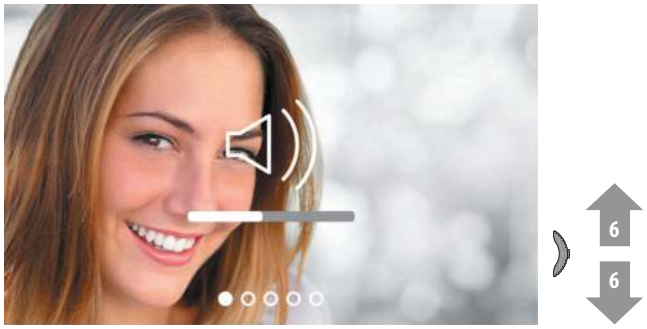
| ICON | TYPE OF PARAMETER | |
|---|---|---|
| | Speaker volume | Parameter that can be adjusted only with active audio |
| | Image brightness | |
| | Image contrast | |
| | Image colour | |




3 Press the joystick to modify the level

4 Move the joystick up/down to select the desired level

5 Press the joystick to confirm or wait for the timeout

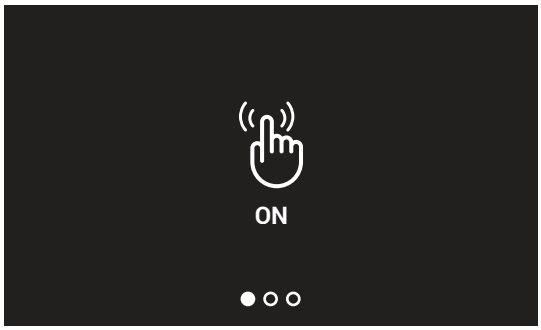



6 Move the joystick up/down to select another parameter or the last page to exit

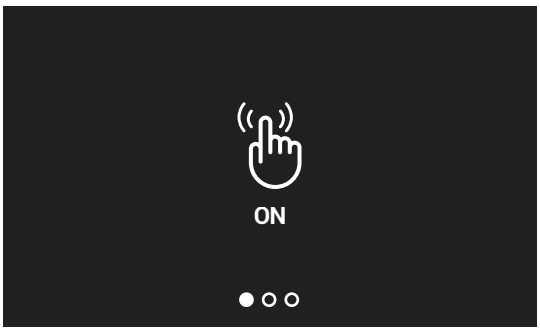
## Settings

SETTINGS MENU

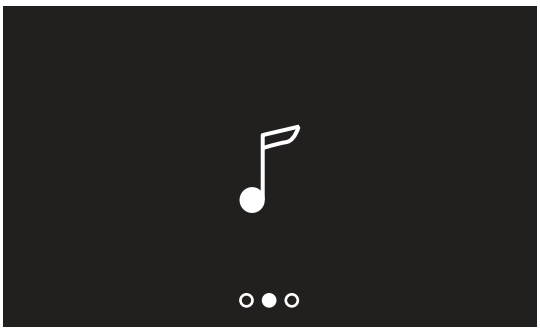
From stand-by, press and hold down the joystick **for about 8 seconds** to activate the display and access the Settings menu.



Move the joystick up/down to select the page among:




Enable/disable the key sound



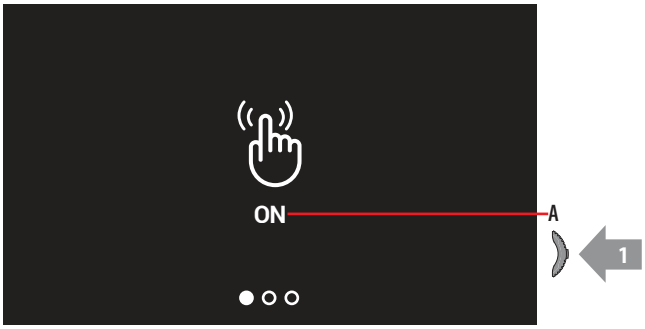
Associate a ringtone to an event

Exit the menu

ENABLE/DISABLE THE KEY SOUND

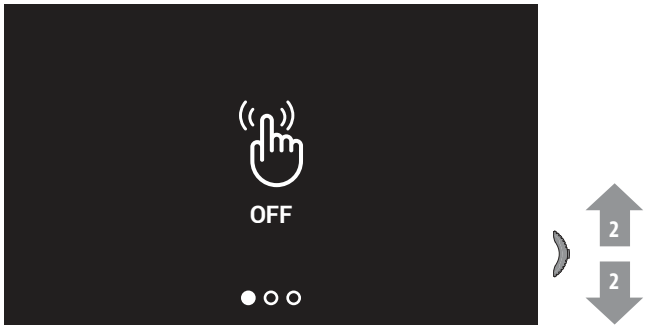
With the basic configuration, when keys are pressed a BEEP is emitted. This function may be disabled/enabled as follows.

From stand-by, press and **hold down the joystick for about 8 seconds** to access the advanced menu and select the corresponding page




A Function status notification (ON = enabled, OFF = disabled)

1 Press the joystick to change mode

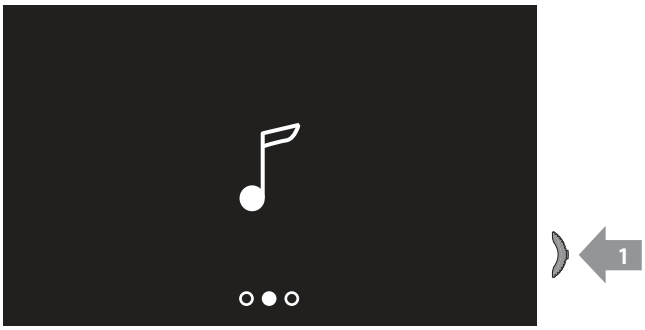



2 Move the joystick up/down to select another setting or the last page to exit

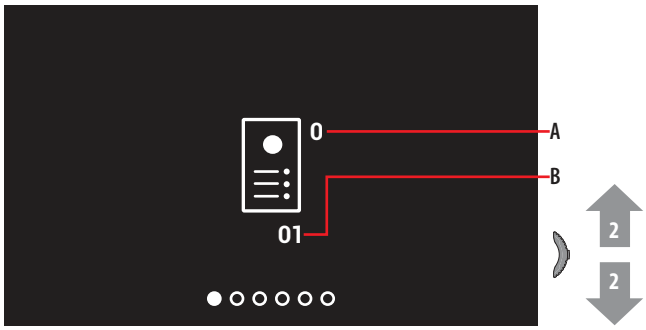
ASSOCIATE A RINGTONE TO AN EVENT (CALL)

This page can be used to modify the ringtones associated to the different types of call.
The ringtones played for calls from EP configured with S=2 and S=3 are set by default and cannot be changed.

From stand-by, press and **hold down the joystick for about 8 seconds** to access the advanced menu and select the corresponding page



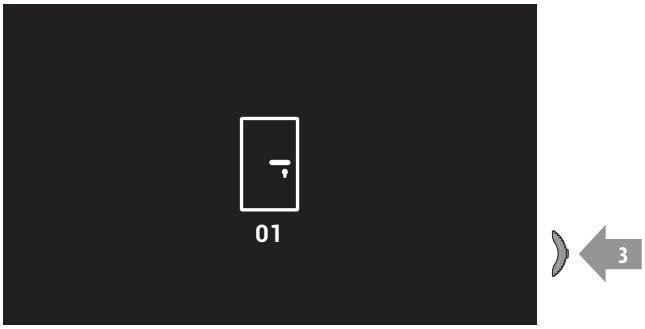

Press the joystick to associate the first event



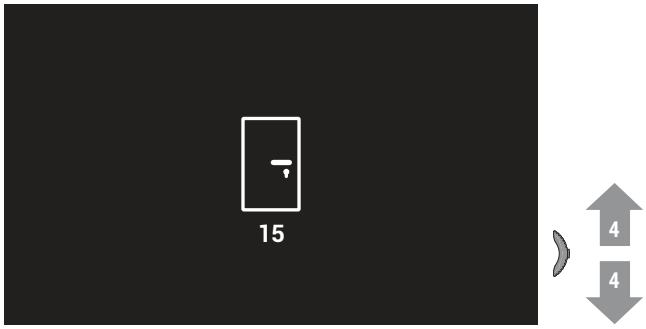

The page shows the type of call (A) and the current ringtone number (B)

2 Move the joystick up/down to select the type of call for which you want to set the ringtone (see the following table)

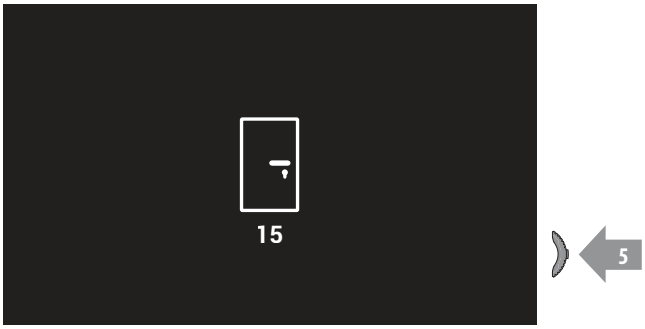
| ICON | TYPE OF CALL |
|---|---|
| | Selection of the call ringtone from the MAIN ENTRANCE PANEL (S =0) |
| | Selection of the call ringtone from the SECONDARY ENTRANCE PANEL (S =1) |
| | FLOOR CALL ringtone selection |
| | INTERCOM CALL ringtone selection |
| | EXTERNAL INTERCOM CALL ringtone selection (interface 346850 only) |



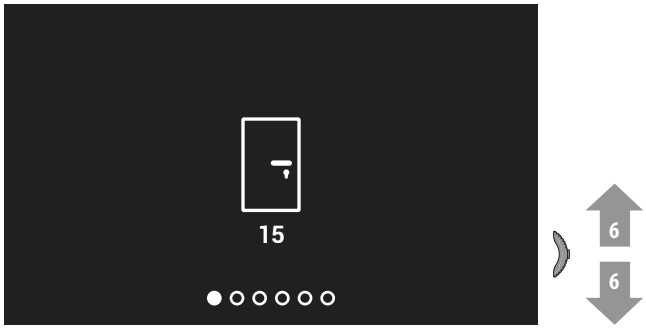

3 Press the joystick to continue




4 Move the joystick up/down to select the ringtone to be associated (the ringtone is played)




5 Press the joystick to confirm or wait for the timeout




6 Move the joystick up/down to select another call or the last page to exit

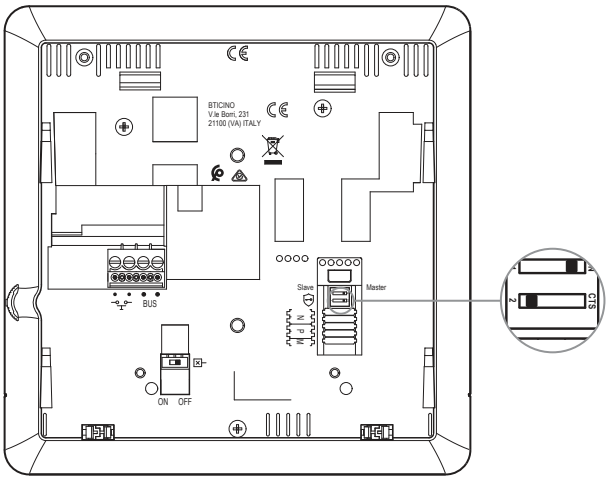
## DOOR STATUS function

This function notifies the status of the Door lock. If open the "LED Door lock" flashes, and if closed, the LED stays off.
**Warning:** the function can only be activated if required by the system - accessory devices are required.

## Safe Door Lock function

When active, this function prevents the opening of the entrance panel door lock when the internal unit is in stand-by. Therefore, the opening of the door lock is only permitted when entrance panel and internal unit are in voice communication.

**Enabling the function**




Move the corresponding microswitch to ON

**Note:** when the function is active, all the keys in all the configurations requiring the activation of a door lock are disabled, and when they are pressed the white LED flashes.