

USER MANUAL



T-5924 TELEPHONE GTWIN



INTRODUCTION

First of all, we thank and congratulate you for purchasing this product manufactured by Golmar.

Our commitment to achieving the satisfaction of customers like you is manifested through our ISO-9001 certification and the manufacture of products like the one you have just purchased.

Its advanced technology and strict quality control will ensure that customers and users enjoy the numerous features that this device offers. To get the most out of them and ensure proper operation from day one, we recommend that you read this instruction manual.

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SAFETY PRECAUTIONS

- Do not overtighten the screws on the telephone's wall mounting connector.
- **Always disconnect the power supply** before installing or making modifications to the device.
- The fitting and handling of these devices must be carried out by **authorised personnel**.
- All of the wiring must run at least **40cm away from any other wiring**.
- Install the telephone in a dry protected location free from the risk of dripping or splashing water.
- Do not place in humid, dusty or smoky locations, or near sources of heat.
- Before connecting the system to the mains, check the connections between the door panel, power supply, distributors and telephones.
- Always follow the instructions contained in this manual.

CHARACTERISTICS

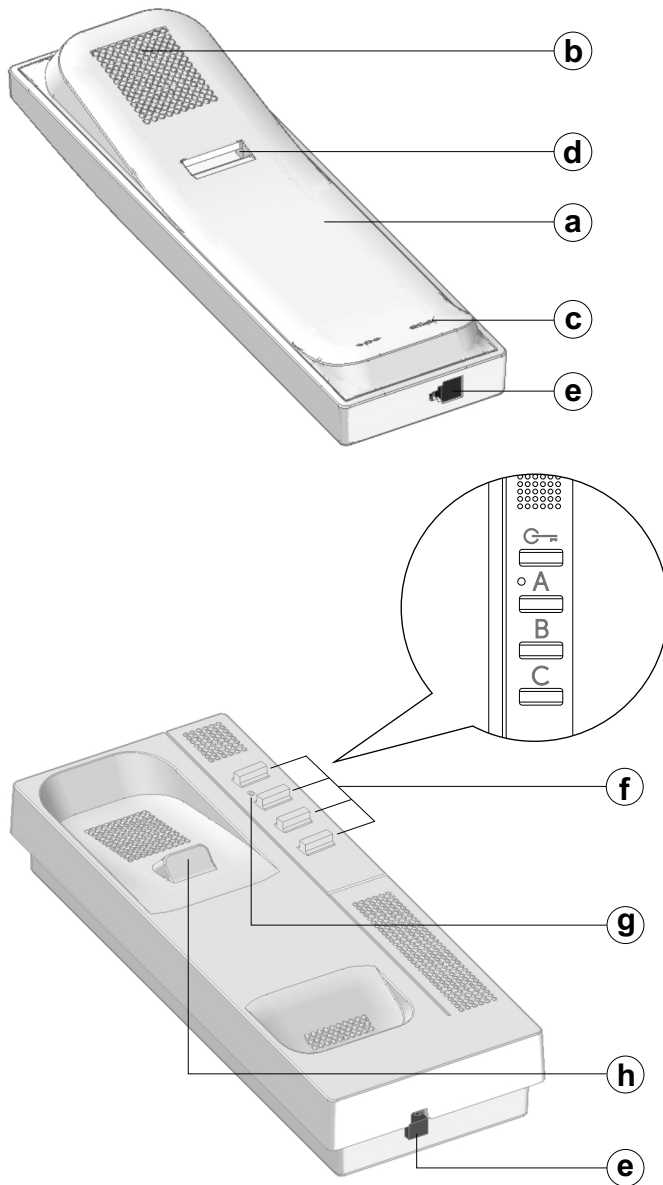
- Telephone for Gtwin installation.
- Telephone with simplified wiring (non-polarised 2 wire bus).
- Function and programming access buttons (to customise telephone functions).
- Totally private conversation.
- Doctor mode' function (automatic door opening, see p. 10).
- Intercom between two devices in the same apartment (programmable).
- Intercom between two devices in different apartments (programmable).
- Input for calls from the apartment front door.
- Call volume control (maximum, minimum and no volume).
- Output to auxiliary call repeater.
- Call to guard unit.
- Different ringtones to identify call origin: Main door panel, slave door panel, guard unit, intercom and interior door of the apartment.
- SW1 DIP switches for setting the 'call code (user)' telephone address.
- SW2 DIP switches for setting the telephone as master/slave 1, slave 2 or slave 3.
- Button for activating the main lock release.
- Button for activating the secondary lock release.
- Telephone status LED.

SYSTEM OPERATION

- To make a call, the visitor presses the button for the apartment, a number of audible tones indicate that the call is being made and LED  on the door panel illuminates. At this moment, the apartment's telephone(s) receives the call. If the visitor presses the button for another apartment by mistake, the call can be cancelled by pressing the button for the correct apartment.
- In systems with several access doors, the other door panel(s) will automatically disconnect; if another visitor wishes to call, LED  on the door panel will blink for 3 seconds. If the vocal synthesis module is installed on the door panel, the message 'communicating' will indicate that the channel is busy.
- General entrance door panels (main): If the call is being made from the general entrance door panel, the interior door panel of the building being called and other possible general entrance door panels automatically disconnect; if another visitor attempts to call from either a busy interior door panel, an audible tone will indicate that the channel is busy and LED  of the door panel will blink for 3 seconds, or from another general entrance door panel, an audible tone will indicate that the channel is busy and LED  of the general entrance door panel will blink for 3 seconds. The door panels of the other interior buildings will remain free to be used.
- General entrance door panels (main): If the call is made from an interior door panel, the other interior door panels will remain free to be used. It is only possible to make calls to interior buildings from the general entrance door panels when their door panels are not in use; if an attempt is made to make a call to a busy interior door panel, an audible tone will indicate that the channel is busy and LED  of the general entrance door panel will blink for 3 seconds.
- The call lasts for 60 seconds; if the call is not answered within 60 seconds, LED  of the door panel will turn off and the channel will become free.
- To establish communication, pick up the handset of the telephone; LED  of the door panel will now light up and LED  of the door panel will turn off. Communication with hearing aid: The handset enables communication with hearing aids equipped with T-mode, making conversation possible (inductive loop).
- Guaranteed communication time is 90 seconds (configurable); after 90 seconds of guaranteed communication time, the channel will become free.
- To end communication, hang up the handset, LED  of the door panel will turn off and the channel will become free.
- To open the main or secondary door, press the corresponding button  /  during the call or communication processes: one press will activate the lock release for 1 second (configurable main door) and, with the opening of the main door, LED  will also illuminate for 1 second.
- A description of the function buttons can be found on p. 5.

DESCRIPTION OF THE TELEPHONE

Description of the T-5924 GTWIN telephone



- a. Handset.
- b. Speaker grille.
- c. Microphone hole.
- d. Subjection hole.
- e. Telephone cord connectors.
- f. Function/programming buttons.
- g. Telephone status LED:
 - No volume (call): LED blinking red rapidly.
 - Doctor mode: LED blinking green.
 - State of the open door on the main door panel: LED illuminated red.
 - (See the TGTWIN SYSTEM MANUAL, p. 10).
 - State of the open door on the slave door panel: LED blinking red slowly.
 - (See the TGTWIN SYSTEM MANUAL, p. 10).
 - Programming mode: LED blinking yellow.
- h. Hook switch.

Description of the connection terminals:

| | | | |
|------|----|----|----|
| LINE | CP | S+ | S- |
|------|----|----|----|

LINE: Communication bus (non-polarised).

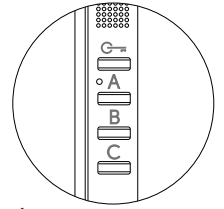
CP: Door bell button input.

S+: Output (positive) to auxiliary call repeater.

S- : Output (negative) to auxiliary call repeater.

DESCRIPTION OF THE TELEPHONE

Function buttons:



A In standby and with the handset off the hook: it activates the intercom between 2 devices in the same apartment or in different apartments (this feature must be pre-programmed, see p. 11-14).

B During a call or communication process, it enables the secondary lock release to be activated: one press will activate the lock release for 1 second.

In standby and with the handset off the hook: it enables a call to be made to the guard unit.

In standby and with the handset off the hook: it activates the intercom between 2 devices in the same apartment or in different apartments (this feature must be pre-programmed, see p. 11-14).

Note: Activation of the 'intercom' function disables the 'call to guard unit' function.

In standby and with the handset on the hook: it enables programming mode to be entered or exited by pressing and holding for 5 seconds, a number of short audible tones will indicate that the telephone is in programming mode and the status LED will blink slowly (yellow) or a number of long audible tones will indicate that the telephone has saved and left programming mode and the status LED will turn off.

C In standby and with the handset off the hook: it activates the intercom between 2 devices in the same apartment or in different apartments (this feature must be pre-programmed, see p. 11-14).

G During call reception and communication processes, it enables the main lock release to be activated.

To restore the telephone's default parameters, after entering programming mode by pressing button **B** for more than 5 seconds, simultaneously press buttons **B** and **G** for more than 3 seconds; confirmation of the command will be indicated by 2 long audible tones and the telephone's exit from programming mode.

TELEPHONE SETTINGS

SW1 DIP switch:

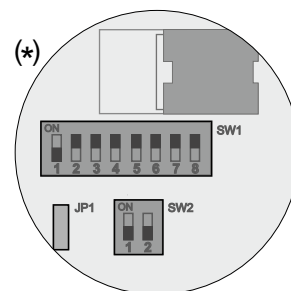
The **SW1** DIP switch is located in the central part of the circuit, accessible by opening the telephone. It enables the telephone to be configured by assigning it a user code address (apartment).

CODE: User code.

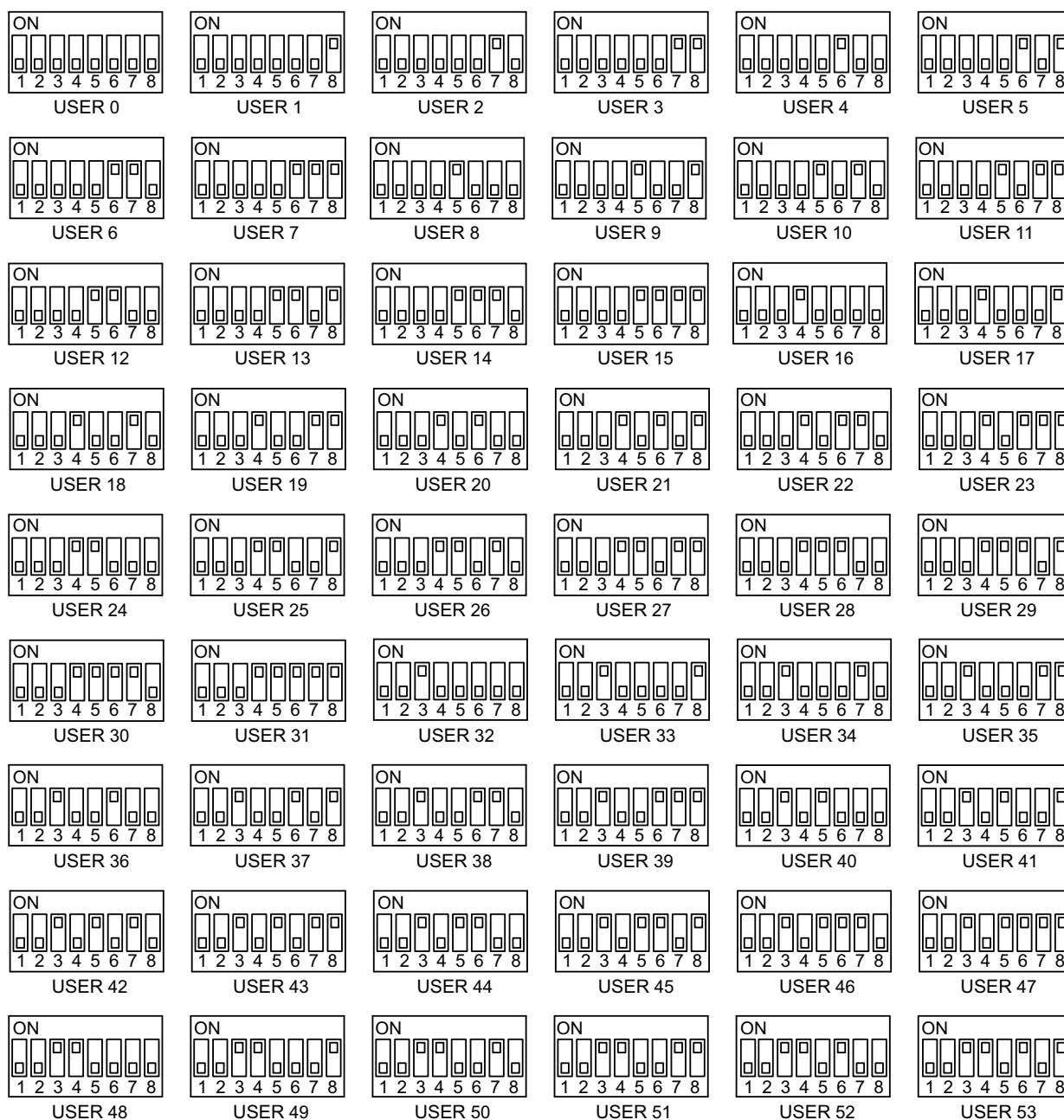
Set a number from 0 to 126, respecting the following rules:

- In the column/riser, there should not be different apartments with the same user code.
- In the case of telephones in parallel in the same apartment, these must have the same user code.
- **The user codes of the same column/riser must be consecutive.**

To set the desired code, use the CODE DIP switches from 2 to 8 (2 = most significant bit and 8 = least significant bit); DIP switch 1 must be OFF.

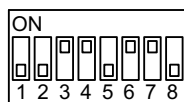


SW1 DIP SWITCH:

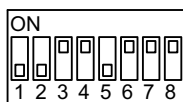


TELEPHONE SETTINGS

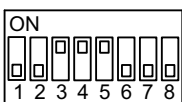
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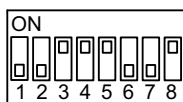
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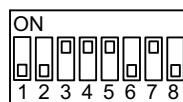
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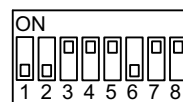
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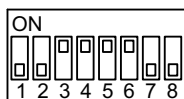
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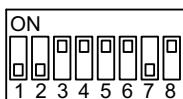
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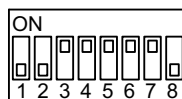
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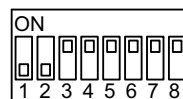
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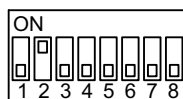
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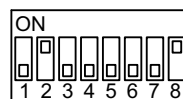
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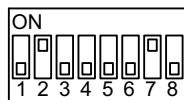
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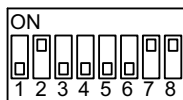
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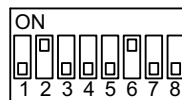
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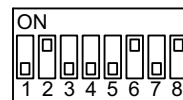
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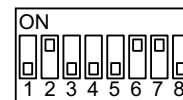
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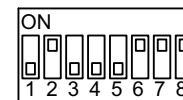
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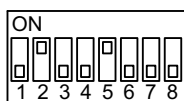
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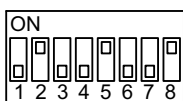
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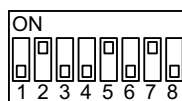
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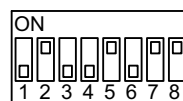
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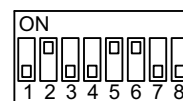
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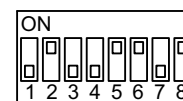
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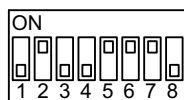
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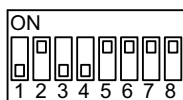
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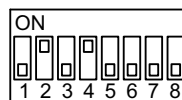
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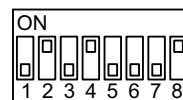
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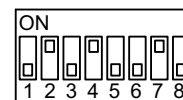
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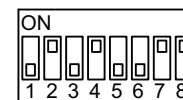
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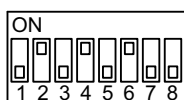
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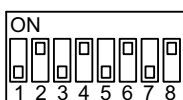
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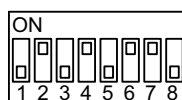
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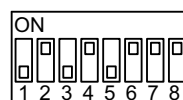
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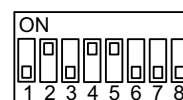
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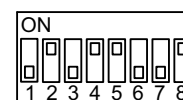
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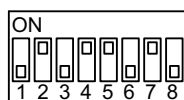
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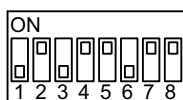
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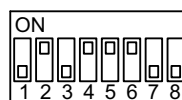
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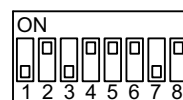
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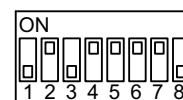
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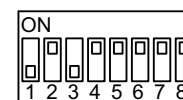
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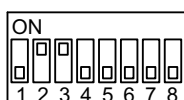
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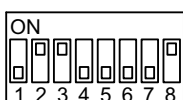
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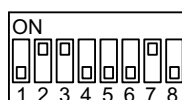
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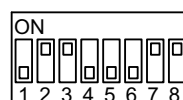
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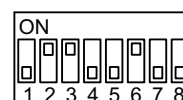
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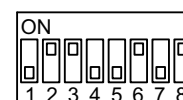
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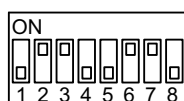
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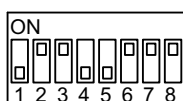
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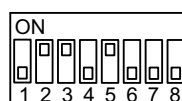
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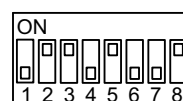
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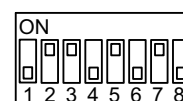
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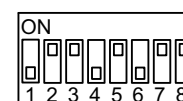
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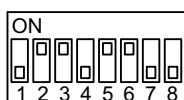
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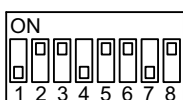
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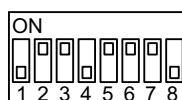
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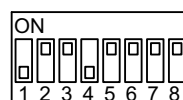
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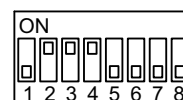
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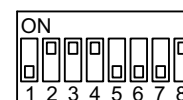
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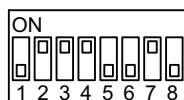
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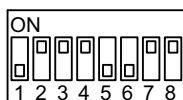
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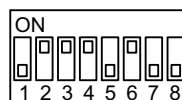
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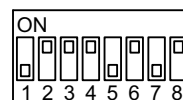
USER 114



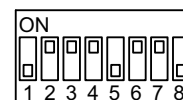
USER 115



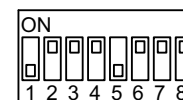
USER 116



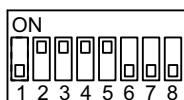
USER 117



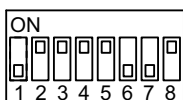
USER 118



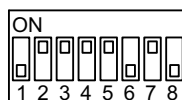
USER 119



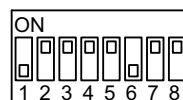
USER 120



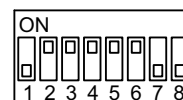
USER 121



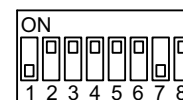
USER 122



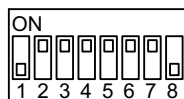
USER 123



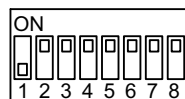
USER 124



USER 125



USER 126



(*) (1) USER 126

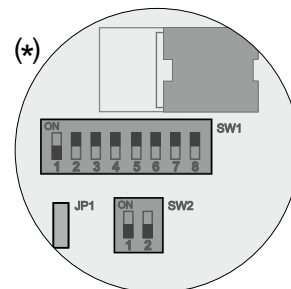
(1) This user code also has code address 126.

(*) Factory setting

TELEPHONE SETTINGS

SW2 DIP switch:

The **SW2** DIP switch is located in the central part of the circuit, accessible by opening the telephone. It enables the telephone to be configured as master/slave.

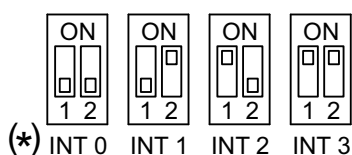


INT: Internal code of the telephone to set as master/slave.

Set the monitor/telephone as master, slave 1, slave 2 or slave 3 using the SW2 DIP switch with a code from 0 to 3 respectively. Taking into account the following points:

- In the case of a single telephone in the apartment, the code to be set will always be 0.
- In apartments, up to 4 telephones can be connected in parallel, all with the same user code but with different internal telephone codes.
- The internal code is used to identify each of the telephones in the same apartment. This enables intercom calls to be made to a specific telephone in the same apartment. In the case of intercom calls to different apartments, and in the case of calls coming from door panels and from apartment front doors, all of the telephones in the apartment always ring. The following considerations must also be borne in mind:
- When master telephone 0 receives a call, it rings immediately and slave telephones 1, 2 and 3 ring in succession, one after the other.

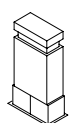
SW2 DIP SWITCH:



(*) Factory setting.

End of line (J1 jumper):

The **J1** jumper is located in the central part of the circuit, accessible by opening the telephone. It enables the end of line to be set.

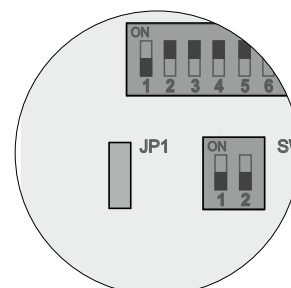


ON



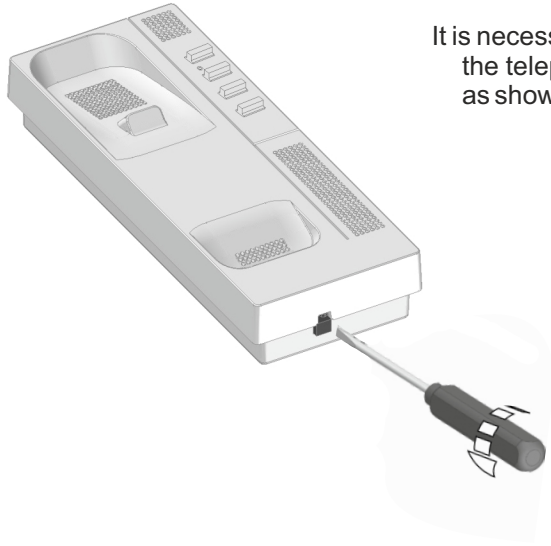
OFF

Installations with telephones only, it must always be in OFF. In mixed installations of monitors with telephones in the same apartment, set to ON for the telephones in which the Bus cable ends and set to OFF for intermediate telephones.

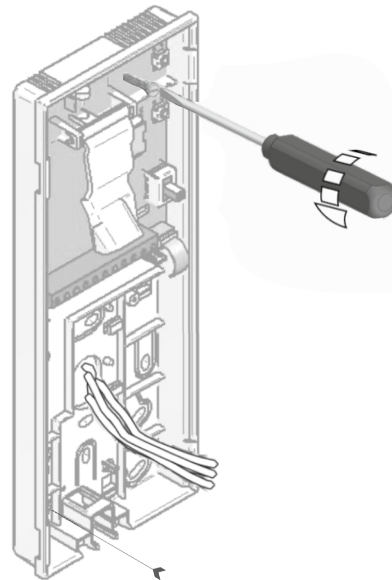


INSTALLING THE TELEPHONES

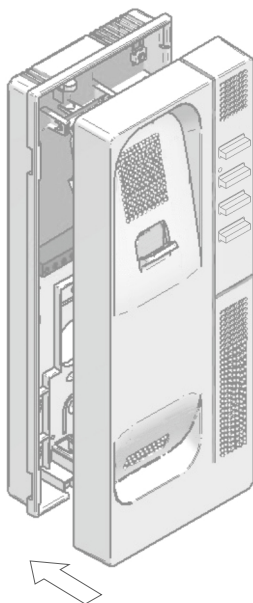
Fixing the telephone to the wall:



It is necessary to open the telephone for wiring and fixing purposes. To open the telephone, insert a flat screwdriver into the slots and gently pry open as shown in the drawing.



Avoid dusty or smoky environments or locations near sources of heat. The telephone can be fixed to an electrical embedding box or directly to the wall. To fix directly to the wall, drill two 6mm holes at the specified positions and use 6mm wall plugs and Ø3.5 x 25mm screws.

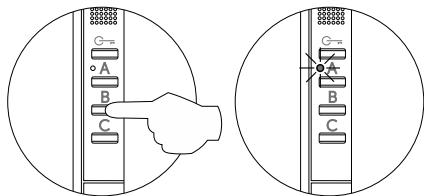


Pass the cables through the cable holes and connect them to the wall mounting connector as per the wiring diagrams. Close the telephone as shown in the drawing. Once the telephone is closed, connect the handset using the telephone cord and place it on the hook.

ADVANCED PROGRAMMING (TELEPHONE FUNCTIONS)

Advanced programming of the functions of the T-5924 Gtwin telephone:

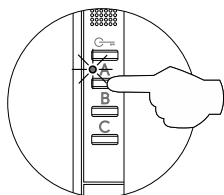
Advanced programming enables the telephone's default settings to be changed:



With the telephone in standby and the handset on the hook:
Press button **B** for more than 5 seconds to access '**programming mode**',
3 short audible tones will confirm this and the status LED will blink (yellow) slowly, indicating that button **B** can be released.

Then adjust the settings as required:

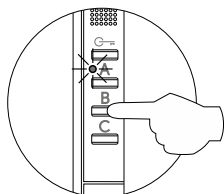
- **Adjusting the call volume:** High volume (default setting).



Adjusting the call volume: Press button **A** to select the required volume. Options: maximum, minimum and no volume (if set to 'no volume', the telephone's status LED will blink red rapidly when the telephone exits programming mode and is in standby) in 'carousel mode'.

- **Changing the door panel ringtone melody:**

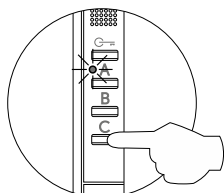
The telephone enables selection of the ringtone (5 different tones).



Select the ringtone melody: Press button **B** until the desired melody is heard 'carousel mode'.


Changing the ringtone melody from the apartment front door:

The telephone enables selection of the ringtone from the apartment front door (5 different tones).

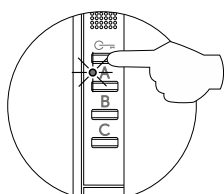



Select the ringtone melody from the apartment front door: Press button **C** until the desired melody is heard 'carousel mode'.

- **Activating/deactivating the doctor mode function:** Doctor mode not activated (default setting).

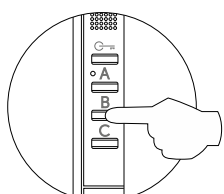
The 'doctor mode' function enables the main lock release to be activated automatically 3 seconds after making a call from the door panel without having to establish communication or press door release button . The call ends after 15 seconds and the channel becomes free.

(Only the master telephone should be configured with 'doctor mode').



To activate doctor mode: Press button  once, an audible tone will indicate that the function is activated; if it is pressed again, an audible tone will indicate that the function will change its status to deactivated and so on. The telephone's status LED will blink (red) rapidly when the telephone exits programming mode and is in standby.

- **Exiting programming mode:**



To exit '**programming mode**', press button **B** for more than 5 seconds, 1 short and 2 long audible tones will confirm this and the status LED will turn off, indicating that button **B** can be released.

Note: Depending on the function modified, the telephone's status LED will indicate this (see p. 4).

OPTIONAL PROGRAMMING (ADDITIONAL TELEPHONE FUNCTIONS)

Intercom function of the T-5924 Gtwin telephone:

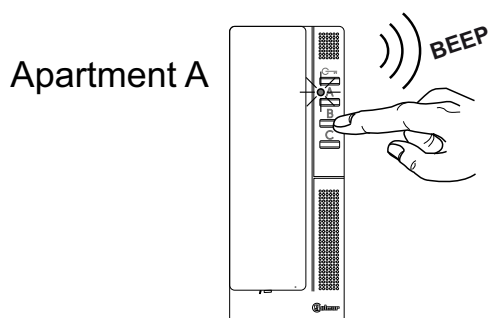
In the Gtwin system, a telephone button can be programmed to call another apartment in the same Building (channel) or to call another telephone in the same apartment. In the first case, all of the telephones in the apartment called will ring; in the second case, only the telephone in the same apartment specified in the programming will ring.

Intercom function between different apartments:

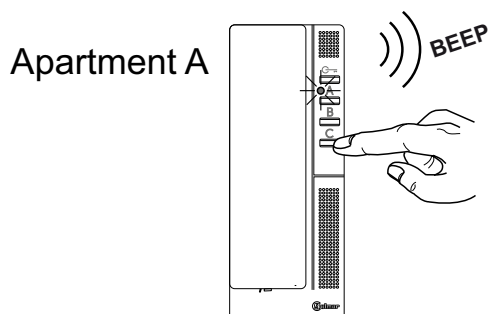
To programme a telephone in one apartment (apartment A) to call another apartment (apartment B):

Without picking up the handset.

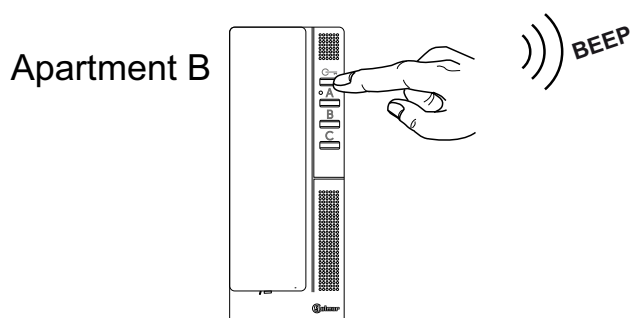
1. Press and hold the button B for more than 5 seconds: It emits 3 short tones and the slow blinking of the status LED (yellow) confirms entry into programming mode. In all cases, after 10 minutes elapse, the device exits programming mode and the modified parameters are saved.



2. Press the button (A, B or C) to be programmed for at least 3 seconds until the confirmation tone sounds.



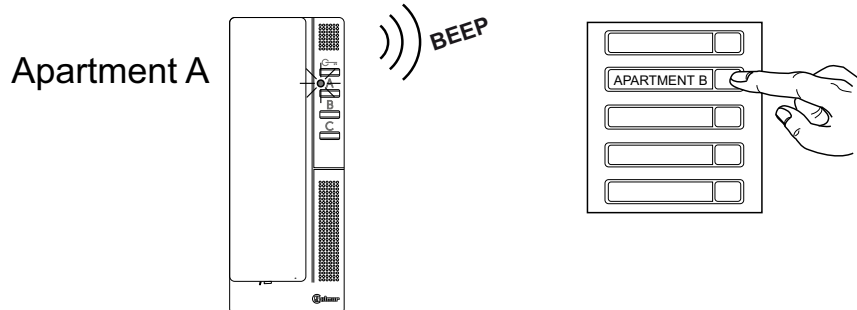
3. Go to the telephone in apartment B that has to call the button to be programmed in Step 2 and press the door release button. The telephones emit a completed programming beep.



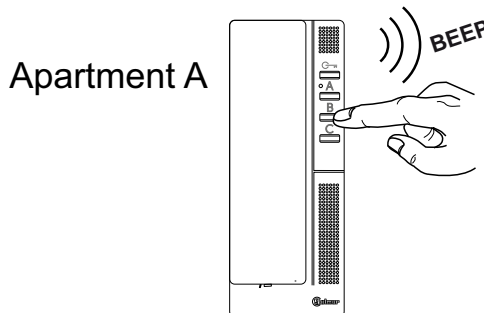
OPTIONAL PROGRAMMING (ADDITIONAL TELEPHONE FUNCTIONS)

Continued from previous page.

4. Or go to a door panel and press the call button of apartment B; the telephone in programming (apartment A) emits a completed programming beep. While this operation is being carried out, the telephones in apartment B will ring. Ignore this call.



5. To exit programming mode, press and hold the button **B** for more than 5 seconds, 2 long tones are emitted and the status LED will turn off confirming exit.



6. Check the programmed function: lift the handset of the telephone (apartment A) and press the programmed button. In apartment B, a ringtone on all telephones in the apartment will be heard, pick up the handset of one of the telephones called and check communication.
7. If you also wish to programme the reverse call, it is necessary to programme the telephone in apartment B for the call to the telephones in apartment A.

Note:

- If the button **B** is programmed for this function, activation of the 'intercom' function disables the 'call to guard unit' function.
- If the buttons **A** and **C** are programmed for this function, the other functions are maintained.

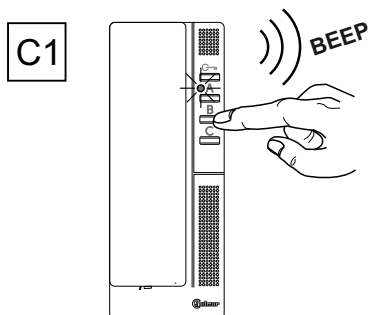
OPTIONAL PROGRAMMING (ADDITIONAL TELEPHONE FUNCTIONS)

Intercom function in the same apartment:

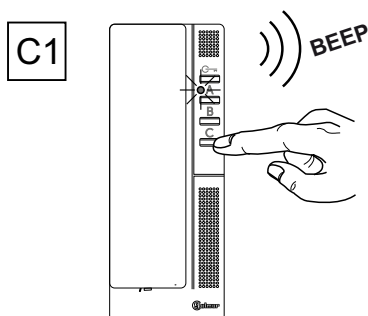
To programme a telephone (internal device C1) to call another telephone (device C2) in the same apartment:

Without picking up the handset.

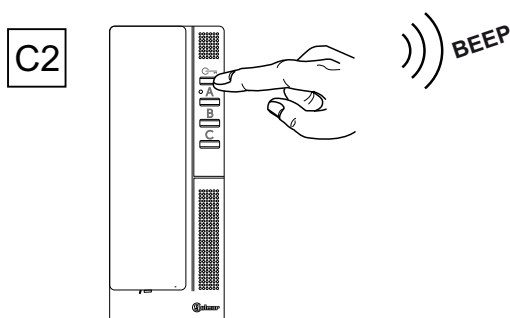
1. Press and hold the button **B** for more than 5 seconds: It emits 3 short tones and the slow blinking of the status LED (yellow) confirms entry into programming mode. In all cases, after 10 minutes elapse, the device exits programming mode and the modified parameters are saved.



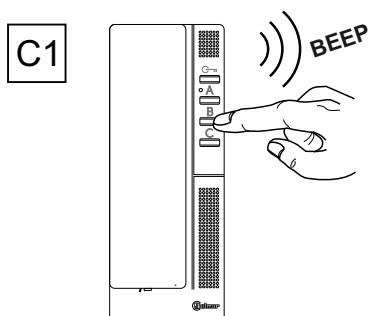
2. Press the button (A, B or C) to be programmed for at least 3 seconds until the confirmation tone sounds.



3. Go to the telephone (device C2) that has to call the button to be programmed in Step 2 and press the door release button. The telephones (device C1 and C2) emit a completed programming beep.



4. To exit programming mode, press and hold the button **B** for more than 5 seconds, 2 long tones are emitted and the status LED will turn off confirming exit from programming mode.



Continued overleaf

OPTIONAL PROGRAMMING (ADDITIONAL TELEPHONE FUNCTIONS)

Continued from previous page.

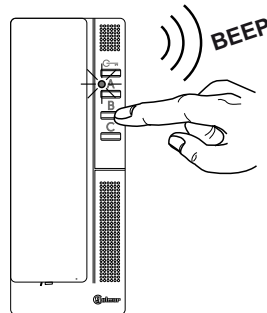
5. Check the programmed function: lift the handset of the telephone (device C1) and press the programmed button. On the telephone (device C2), a ringtone will be heard, pick up the handset and check communication.
6. If you also wish to programme the reverse call, it is necessary to programme the telephone (device C2) for the call to the telephone (device C1) in the same apartment.

Note:

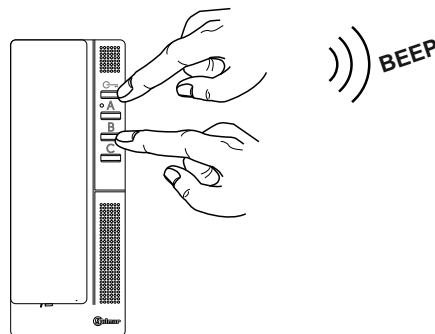
- If the button **B** is programmed for this function, activation of the *'intercom'* function disables the *'call to guard unit'* function.
- If the buttons **A** and **C** are programmed for this function, the other functions are maintained.

Cancellation of the telephones' intercom call codes:

1. Press and hold the button **B** for more than 5 seconds: It emits 3 short tones and the slow blinking of the status LED (yellow) confirms entry into programming mode. In all cases, after 10 minutes elapse, the device exits programming mode and the modified parameters are saved.



2. Press buttons **B** and **☞** simultaneously for more than 3 seconds, the command is confirmed by 2 long tones and exit from programming mode.



OPTIONAL CONNECTIONS

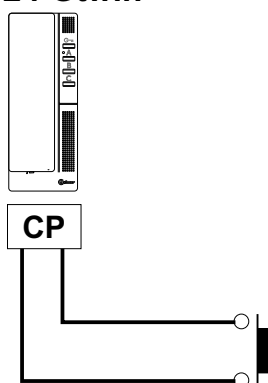
Button for receiving calls from the apartment front door:

The T-5924 Gtwin telephone features as standard the ability to receive calls from the apartment front door. This feature precludes the need to use the bell by positioning a button between the 'CP' terminals of the telephone.

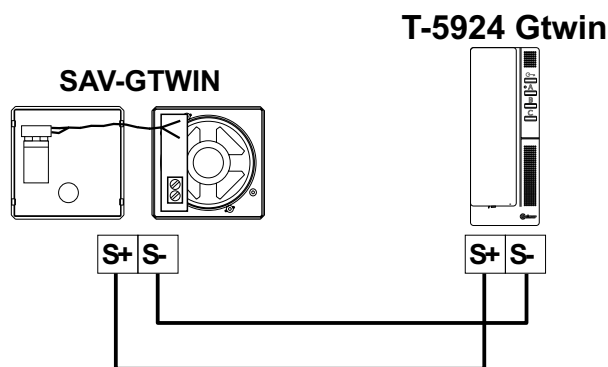
The ringtones vary depending on where the call is being made from, enabling the user to identify its origin. If a call is made from the apartment front door during a conversation with the door panel, the telephone will emit a number of tones to indicate so.

Note: The volume of the 'apartment front door call' ringtone will depend on the volume set for the ringtones on the telephone (see p. 10).

T-5924 Gtwin



Additional call repeater (SAV-GTWIN tritonal call repeater required):



Configuration of the SAV-GTWIN tritonal call repeater:

Place a 9 V battery (type MN1604/6LR61) inside the call repeater. The call repeater features 3 configuration jumpers marked as W1, W2 and W3 for selecting the type of sound (triple tone, double tone or single tone), as shown in the following table:

| | TYPE OF SOUND | JUMPER | | | |
|-----|---------------|--------|----|----|-------------------------------|
| | | W1 | W2 | W3 | |
| (*) | TRIPLE TONE | X | X | X | all jumpers fitted |
| | DOUBLE TONE | X | | X | only the W2 jumper is removed |
| | SINGLE TONE | | X | X | only the W1 jumper is removed |

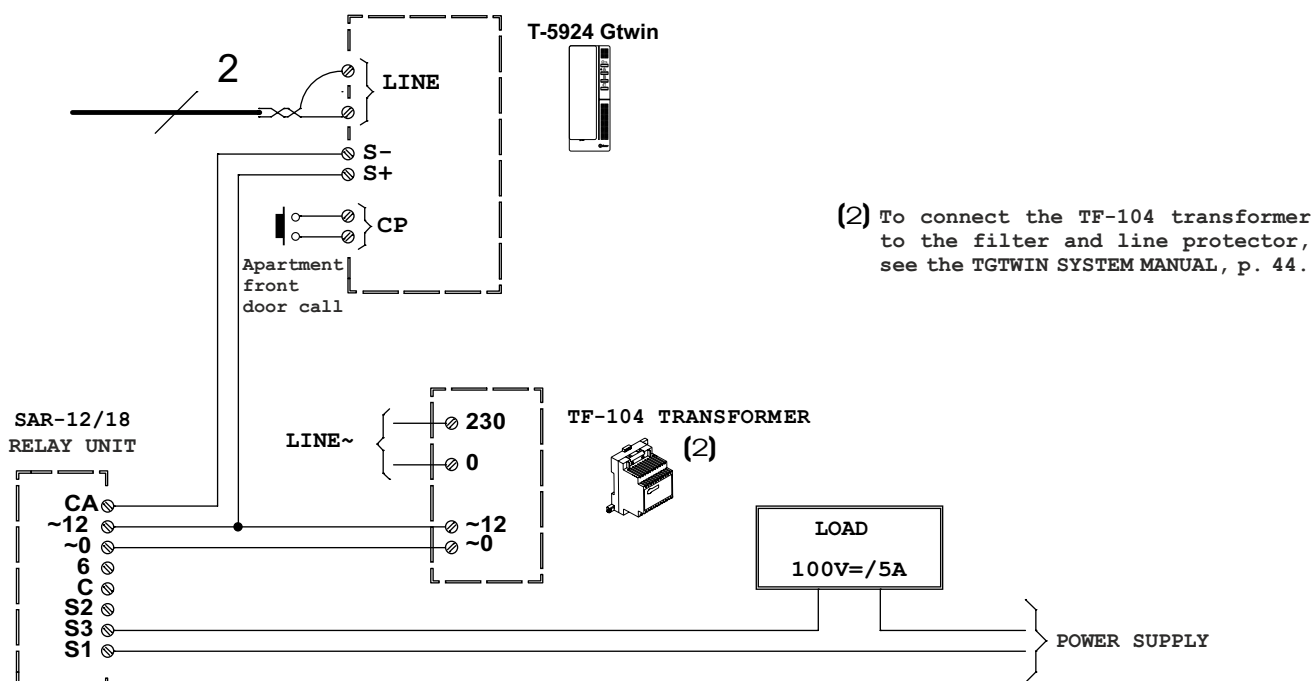
(*) Factory setting.

Continued overleaf

OPTIONAL CONNECTIONS

Continued from previous page.

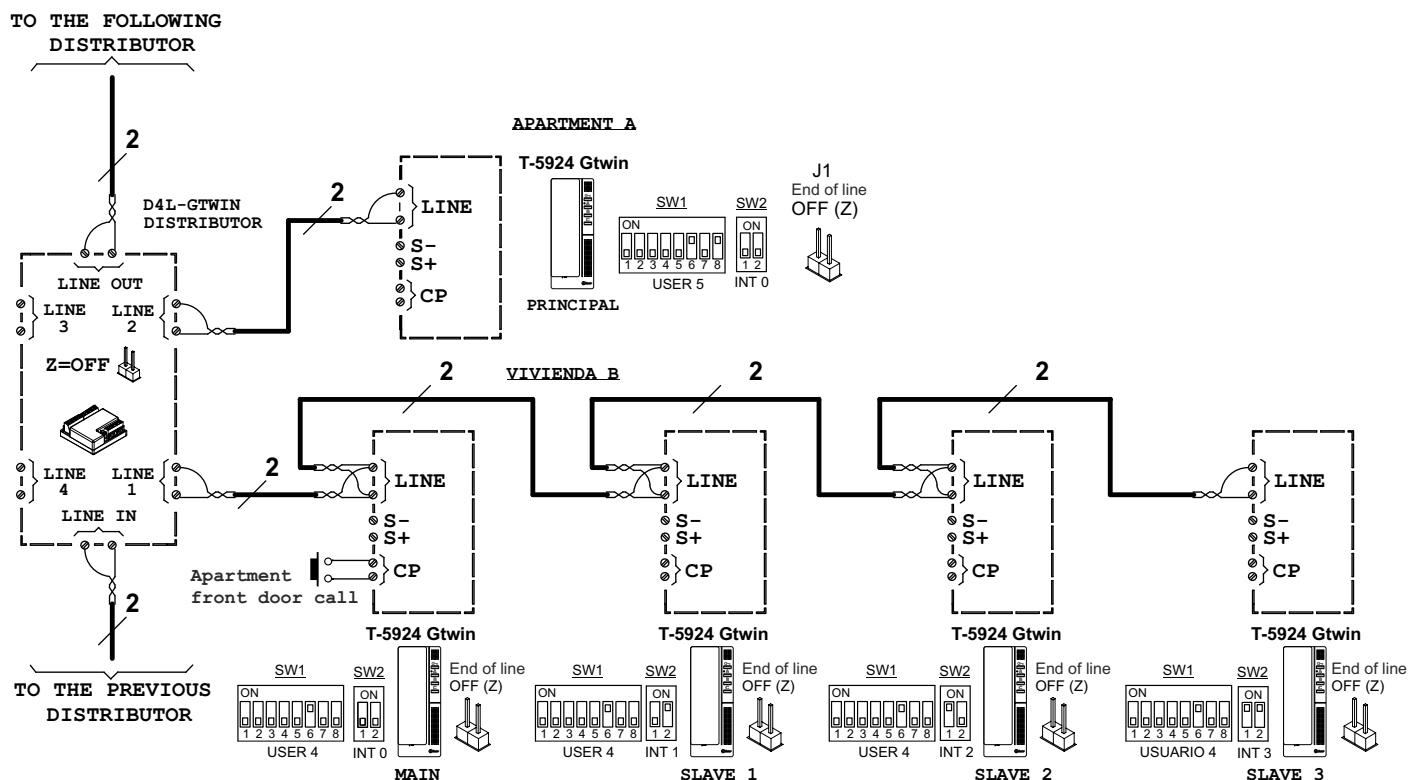
Additional call repeater with SAR-12/18 relay unit in the telephone.



Telephones in parallel (input/output) from a bypass of the D4L-Gtwin distributor: Max. connection 4 telephones in one apartment.

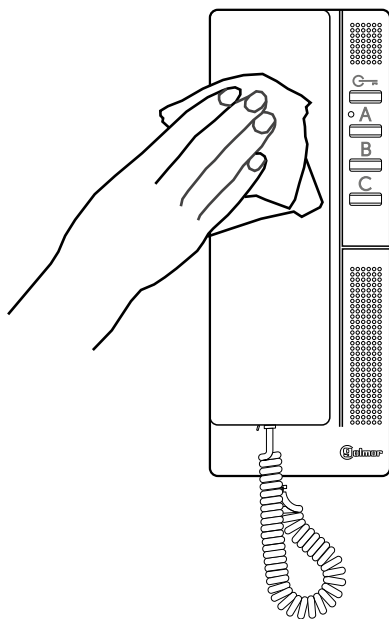
T-5924 Gtwin telephone: Installations with telephones only, the J1 end of line jumper must be removed from all telephones (see p. 8).

Note: All devices must have the same apartment call code. The internal code of the Main device must be equal to 0.

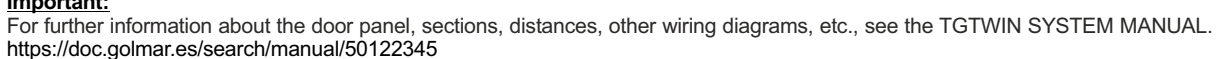


CLEANING THE TELEPHONE

- Do not use solvents, detergents or cleaning products that contain acids, vinegar or abrasive components.
- Use a soft damp lint-free cloth with water.
- Always wipe the telephone in the same direction, from top to bottom.
- After cleaning the telephone, remove any moisture with a soft dry lint-free cloth.



One building with 1 column of up to 127 telephones and 1 main video panel (buttons) installation without distributors (In - Out).



NOTES:

COMPLIANCE

Este producto es conforme con las disposiciones de las Directivas Europeas aplicables respecto a la Seguridad eléctrica **2014/35/CEE** y la Compatibilidad Electromagnética **2014/30/CEE**.

*This product meets the essentials requirements of applicable European Directives regarding Electrical Safety **2014/35/ECC**, Electromagnetic Compatibility **2014/30/ECC**.*



NOTA: El funcionamiento de este equipo está sujeto a las siguientes condiciones:

(1) Este dispositivo no puede provocar interferencias dañinas, y (2) debe aceptar cualquier interferencia recibida, incluyendo las que pueden provocar un funcionamiento no deseado.

NOTE: Operation is subject to the following conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any received interference, including the ones that may cause undesired operation.



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