

Terraneo Pivot Telephones

Instructions for use

bticino®

335022
335023

335032
335033



BASIC FUNCTIONS

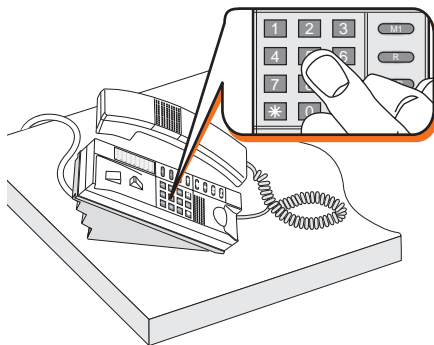
To answer a call

1. Lift the receiver.




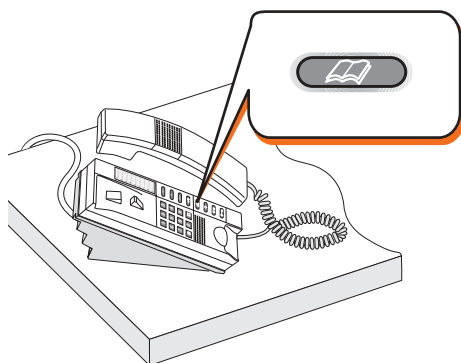
To make a call

1. Lift the receiver.
2. If the line is free, dial the number.
3. If the line is busy, hang up.




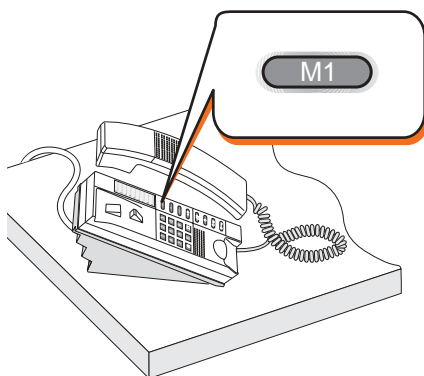
Calling a number in the phone book

1. Lift the receiver.
2. Press the  key (PHONE BOOK).
3. Press a key from 0 to 9.



Calling the emergency number

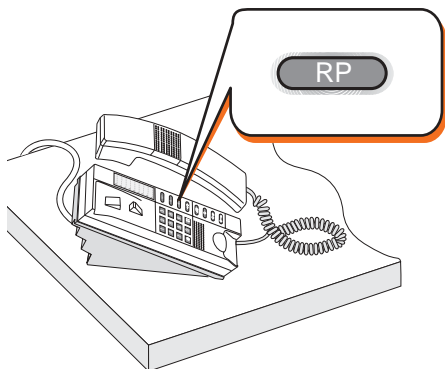
1. Lift the receiver.
2. Press the  key (EMERGENCY No.).




To save numbers in the phone book as well as the emergency number see the “Saving telephone numbers” section.


Repeating the last number called

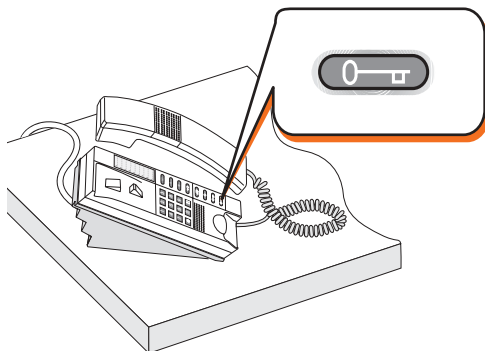
1. Lift the receiver.
2. Press the  key (REPEAT).




Opening the door lock

-  **Warning:** only with telephones in systems with Terraneo telephone exchange.

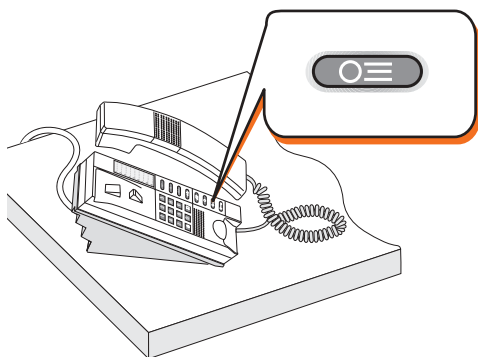
1. Press the  (DOOR LOCK) key.



Switching on the staircase light

-  **Warning:** only with telephones in systems with Terraneo telephone exchange.

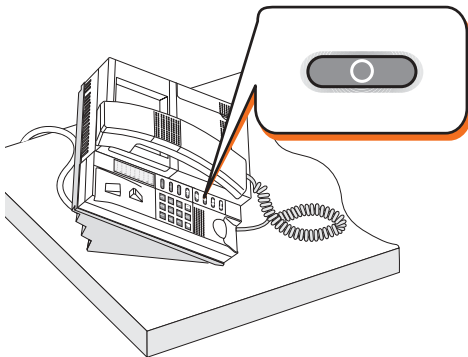
1. Press the  (STAIRCASE LIGHT) key.



Self-switching on the outdoor station

-  **Warning:** only with telephones in systems with Terraneo telephone exchange.

1. Press the  (SELF-SWITCHING ON) key.



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INTRODUCTION

Telephones **items 335022, 335023, 335032 and 335033** are mainly intended for setting up an integrated home system which supports telephone, door entry and video door entry services.

The system is normally formed of:

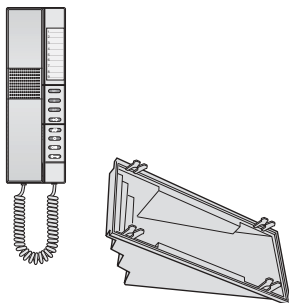
- Terraneo PABX telephone exchange to perform the telephone functions and to interface the telephones with the door entry and video door entry systems;
- Terraneo door entry and video door entry system;
- Pivot series telephones;
- video sections **items 335102 and 335103** to be used together with Pivot telephones for video door entry functions.

These systems are also compatible with all the main types of telephones, cordless phones, answering machines and faxes, which can be used as an alternative to Pivot telephones.

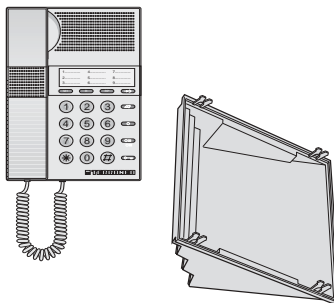
Naturally Pivot telephones can also be used as normal two-standard telephones in home telephone systems either connected to the telephone network, or as extensions of a non-Terraneo exchange. In both cases the video door entry function keys will not be usable.

PACKAGE CONTENTS

Compact

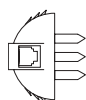


Standard



Inclined support

Inclined support



Plug



2 m cable



Plaited cable



Instructions



Receiver fastening pins

Compact

Item No.	Colour
335022	white
335023	anthracite grey

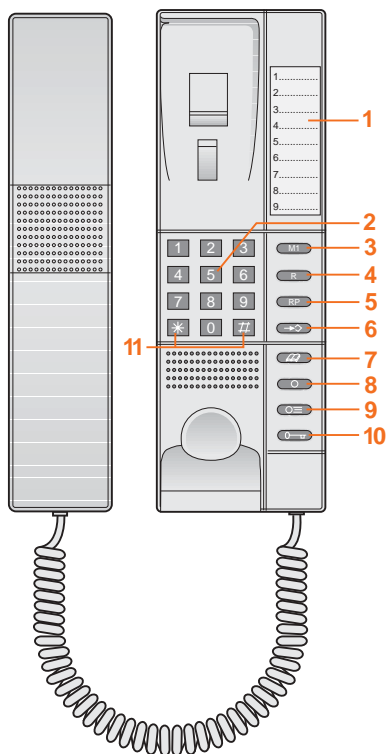
Standard

Item No.	Colour
335032	white
335033	anthracite grey

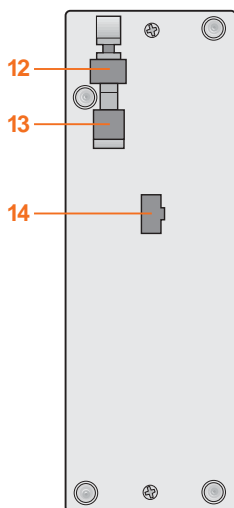
Complete with:

- RJ-RJ cable for table installation (2 m long),
- plaited RJ cable for wall installation (20 cm long),
- Telecom plug with RJ adapter,
- inclined support,
- 2 receiver hooking pins.

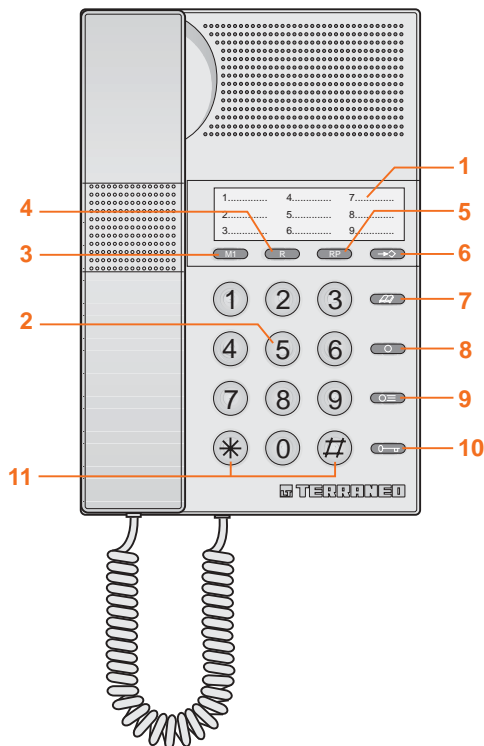
GENERAL VIEW COMPACT TELEPHONE (335022 - 335023)











1. Short number list.
2. 12-key dialling keypad.
3. **M1** key for emergency number.
4. **R** "FLASH" key;
 - put on hold with Terraneo telephone exchange;
 - activate supplementary telephone services (STS).
5. **RP** Key to repeat the last number dialled:
 - programming the pauses in the phone book (the pause lasts for 2 seconds).
6. **→** Key to access programming.
7. **↔** Key to call the phone book numbers.
8. **○|** Key to self-switch on the outdoor station.
9. **○—** Key to switch on staircase lights or activate devices.
10. **○→** Key to open the door lock.
11. Keys to:
 - activate supplementary telephone services (STS);
 - temporarily change dialling from **PULSE-DIAL** to **TOUCH-TONE**.
12. RJ45 socket to connect the telephone to the video door entry unit and the Terraneo telephone exchange, if there is a video section.
13. RJ11, RJ12 socket to connect the telephone directly to the telephone network or to the telephone exchange.
14. Socket to connect the telephone to the Video section **item 335012** or **item 335103**.



GENERAL VIEW STANDARD TELEPHONE (335032 - 335033)

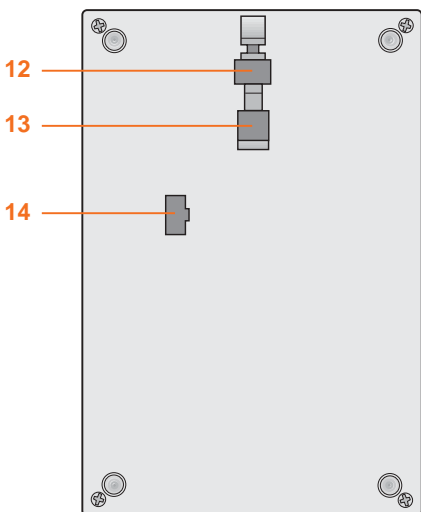


1. Short number list.
2. 12-key dialing keypad.
3.  key for emergency number.
4.  "FLASH" key;
 - put on hold with Terraneo telephone exchange;
 - activate supplementary telephone services (STS).
5.  Key to repeat the last number dialled:
 - programming the pauses in the numbers saved in the phone book (the pause lasts for 2 seconds).
6.  Key to access programming.
7.  Key to call the phone book numbers.
8.  Key to self-switch on the outdoor station.
9.  Key to switch on staircase lights or activate devices.
10.  Key to open the door lock.

11. Keys to:
 - activate supplementary telephone services (STS);
 - temporarily change dialling from **PULSE-DIAL** to **TOUCH-TONE**.

12. RJ45 socket to connect the telephone to the video door entry unit and the Terraneo telephone exchange, if there is a video section.
13. RJ11, RJ12 socket to connect the telephone directly to the telephone network or to the telephone exchange.

14. Socket to connect the telephone to the Video section **item 335102** or **item 335103**.



USING THE MAIN FUNCTIONS

✓ HOW TO ANSWER A CALL

The bell rings to signal a call:

- Lift the receiver to answer.



✓ HOW TO MAKE A CALL


- Lift the receiver
- Wait for the dialling tone
- Dial the number required
- Hang up at the end of the conversation.

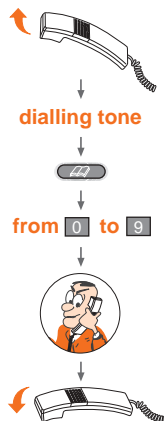


✓ CALLING A NUMBER IN THE PHONE BOOK


The phone book can save up to 10 telephone numbers, maximum length 24 digits including pauses.

To call any saved number proceed as follows:


- Lift the receiver
- Wait for the dialling tone
- Press the  (PHONE BOOK) key
- Press a number key between **0** and **9** corresponding to the position in the phone book where the number was saved.
- Hang up at the end of the conversation.



✓ CALLING THE EMERGENCY NUMBER (M1)

An emergency number of up to 24 digits including the pauses can be saved, associating it with the  key (EMERGENCY No.).


To dial the emergency number proceed as follows:

- Lift the receiver
- Wait for the dialling tone
- Press the  (EMERGENCY) key
- Hang up at the end of the conversation.




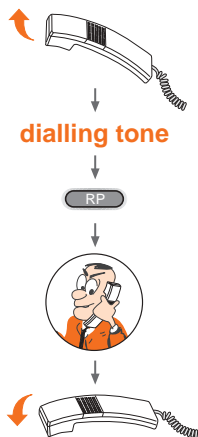
✓ REPEATING THE LAST NUMBER CALLED

The last number dialed manually, maximum length 31 digits including pauses, can be dialed automatically. To dial the last number again proceed as follows:

- Lift the receiver
- Wait for the dialling tone
- Press the RP  (REPEAT) key
- Hang up at the end of the conversation.

The function is also possible if the telephone is in **EXT** mode and is connected to a Terraneo telephone exchange.

Note: when saving the phone book numbers or the emergency number the  (REPEAT) key has the function of entering one or more pauses inside the number. The pause lasts for 2 seconds.



✓ MIXED PULSE-DIAL/TOUCH-TONE DIALLING


With the telephone in pulse dial one can dial a telephone number whose first numbers are dialed in the pulse-dial system and the last in the touch-tone system.



The dialling mode is changed by pressing the * (ASTERISK) key and # (HASH) at the right time. The numbers dialed after this will be sent in line in touch-tone mode.

This procedure allows access to telecommunication services and can also be used to check answering machines remotely, avoiding using the beeper.

On hanging up, the telephone goes back to pulse dialling.

✓ FLASH KEY (R)

If the telephone is connected to a telephone exchange, to use certain services (such as putting through calls to other extensions) you sometimes need to press the flash key () after lifting the receiver or while talking.

Similarly you may need to press the flash key () to use some Supplementary Telecom Italia Services such as the “three-way conversation”. To do this you must press the flash key () during a conversation to call the third user and have a three-way conversation.

CONFIGURATION

✓ BASIC CONFIGURATION



When the telephone is installed it is set with the following basic configuration:

Bell volume level	= max	(3)
Receiver volume level	= max	(9)
Call tune	= 0	(0)
Dialling mode	= TOUCH TONE	(9)
Operating mode	= EXT	(0)
FLASH (R) impulse time	= 100 ms	(1)
Telephone book	= empty	
Emergency number	= empty	

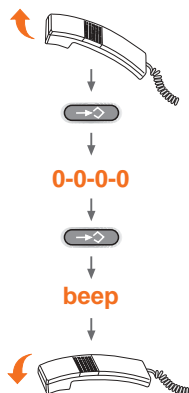
To change the functions refer to the relevant sections.

✓ RESETTING THE BASIC CONFIGURATION

The telephone's basic configuration can be reset at any time by performing the following procedure:

- Lift the receiver
- Press the  (PROGRAM) key
- Dial the number **0000**
- Press the  (PROGRAM) key to confirm
- Wait for the confirmation tone (3 beeps) and hang up.

Note: "Resetting the basic configuration" does not alter the content of the phone book or the emergency number.





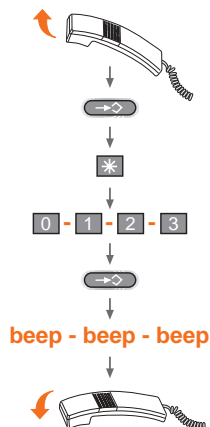
TELEPHONE SETTING

The following functions can be programmed and personalised by dialling the correct sequences of keys:

✓ ADJUSTING THE BELL VOLUME



The bell sound level can be set on 4 levels:

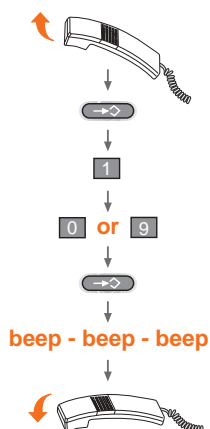
- Lift the receiver
- Press the  (PROGRAM) key
- Press the * (ASTERISK) key
- Press one of the following keys:
 - 0= bell off
 - 1= soft
 - 2= medium
 - 3= loud
- Press the  (PROGRAM) key to end the programming
- Wait for the confirmation tone (3 beeps) and hang up.



✓ ADJUSTING THE VOLUME ON THE RECEIVER



The receiver volume can be set on 2 different levels:

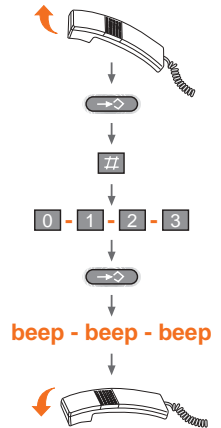
- Lift the receiver
- Press the  (PROGRAM) key
- Press key 1
- Press key 0 to select the MINIMUM level or key 9 to select the MAXIMUM level
- Press the  (PROGRAM) key to confirm the selection
- Wait for the confirmation tone (3 beeps) and hang up.



✓ SELECTING THE BELL TUNE



There is a choice of 4 different bell tunes:

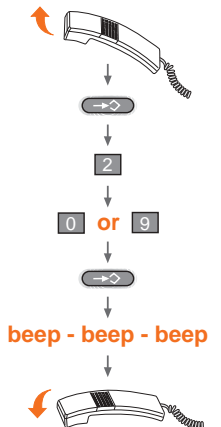
- Lift the receiver
- Press the  (PROGRAM) key
- Press the # (HASH) key
- Press the **0, 1, 2** or **3** to select the tune
- Press the  (PROGRAM) key to confirm the selection
- Wait for the confirmation tone (3 beeps) and hang up.



✓ SELECTING LOCAL LINE MODE PULSE-DIAL/TOUCH-TONE



You can choose between pulse dialling (PULSE-DIAL) or touch-tone dialling (TOUCH-TONE). To alter the mode proceed as follows:

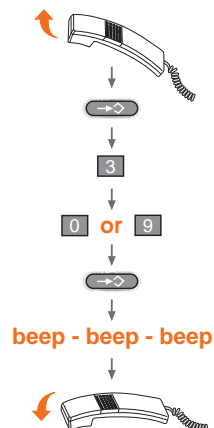
- Lift the receiver
- Press the  (PROGRAM) key
- Press the **2**
- Press the **0** to set the **PULSE-DIAL** mode or key **9** to select the **TOUCH-TONE** mode
- Press the  (PROGRAM) key to confirm the selection
- Wait for the confirmation tone (3 beeps) and hang up.




✓ SELECTING OL/EXT CONNECTION



When installed the telephone is set up for connection to the telephone exchange (EXT mode). If the telephone is connected directly to the outside line it must be programmed with the OL mode. To alter the mode proceed as follows:

- Lift the receiver
- Press the  (PROGRAM) key
- Press the **3**
- Press the **0** to set the **EXT** mode or key **9** to set the **OL** mode
- Press the  (PROGRAM) key to confirm the selection
- Wait for the confirmation tone (3 beeps) and hang up.



✓ SELECTING THE LENGTH OF THE “FLASH (R KEY)” PULSE


3 different times can be associated with the flash key () as follows:

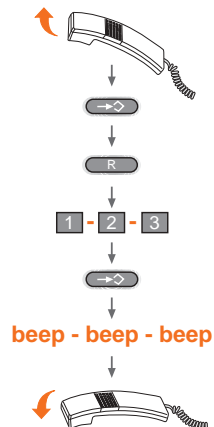
- Lift the receiver
- Press the  (PROGRAM) key
- Press the  (FLASH) key
- Press the between **1 - 3** to select the appropriate time:

1 = 100 ms

2 = 250 ms

3 = 500 ms

- Press the  (PROGRAM) key to confirm the selection
- Wait for the confirmation tone (3 beeps) and hang up.



Note: the pulse time to be selected depends on the country where the telephone is installed and is the password to the exchange or STS functions (see “Using the main functions” chapter).

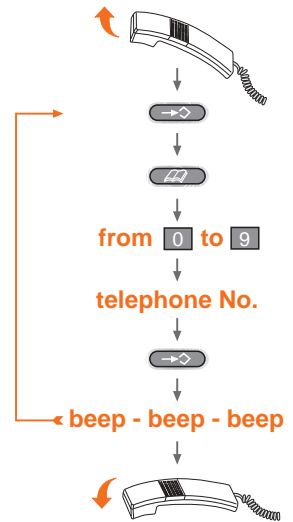
SAVING TELEPHONE NUMBERS

To save a telephone number in the book or in the emergency number (M1), dial the sequence of keys described in the section on this. At the end of the programming, if the sequence is correct, the telephone gives a confirmation tone (3 beeps). If the programming is not correct the telephone gives the error tone (continuous sequence of beeps) and the saving procedure is continued after hanging up.

SAVING NUMBERS IN THE PHONE BOOK

The phone book can save up to 10 telephone numbers, which can be called by pressing the number keys from 0 to 9. Each telephone number saved can contain up to 24 digits including: numbers from 0 to 9, characters such as *, # and R and one or more pauses. Use the (RP) (REPEAT) key to enter the pauses. To save a number proceed as follows:

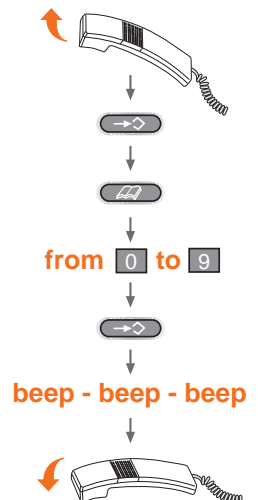
1. Lift the receiver
2. Press the (PROGRAM) key
3. Press the (PHONE BOOK) key
4. Press a number between 0 - 9 corresponding to the number in the phone book where the telephone number will be saved.
5. Dial the telephone number to be saved.
6. Press the (PROGRAM) key to confirm the selection
7. Wait for the confirmation tone (3 beeps) and start again from point 2 to save a new number or hang up to finish.



CANCELLING A NUMBER SAVED IN THE PHONE BOOK

A telephone number in the phone book can be cancelled. To cancel proceed as follows:

- Lift the receiver
- Press the (PROGRAM) key
- Press the (PHONE BOOK) key
- Press a number between 0 - 9 corresponding to the number in the phone book where the telephone number is saved.
- Press the (PROGRAM) key to confirm the cancellation
- Wait for the confirmation tone (3 beeps) and hang up.

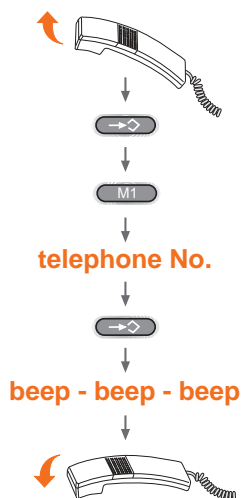


✓ SAVING THE EMERGENCY NUMBERS (M1)

An emergency number can be programmed and associated with the dedicated key (M1). The telephone number saved can contain up to **24 digits** including: numbers from 0 to 9, characters such as *, # and R and one or more pauses. Use the RP (REPEAT) key to enter the pauses. To save a number proceed as follows:

- Lift the receiver
- Press the PROGRAM key
- Press the M1 (EMERGENCY) key
- Dial the telephone number to be saved
- Press the PROGRAM key to confirm the saving
- Wait for the confirmation tone (3 beeps) and hang up.

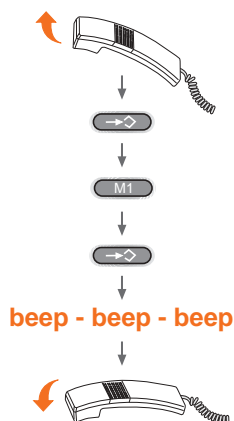
Note: The number associated with the M1 (EMERGENCY) key does not have to be the emergency number, but can be the most frequently used number or a carrier prefix.



✓ CANCELLING THE EMERGENCY NUMBER (M1)

To cancel the emergency number proceed as follows:


- Lift the receiver
- Press the PROGRAM key
- Press the M1 (EMERGENCY) key
- Press the PROGRAM key to confirm the cancellation
- Wait for the confirmation tone (3 beeps) and hang up.




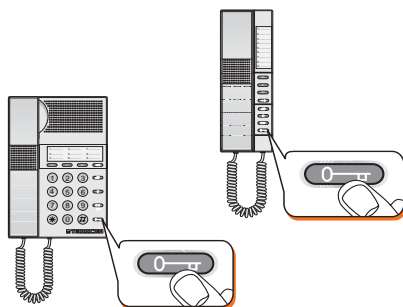
EXTRA FUNCTIONS WITH THE TELEPHONE CONNECTED TO THE TELEPHONE EXCHANGE

✓ OPENING THE DOOR LOCK

(Service available if the telephone is connected to the telephone exchange in a Terraneo door entry or video door entry system).


Press the dedicated  (DOOR LOCK) key to activate the door lock on the outdoor station. To perform the function:


- With the receiver lifted or in place
- Press the dedicated  (DOOR LOCK) key
- Wait for about 2 seconds
- Door lock activated.

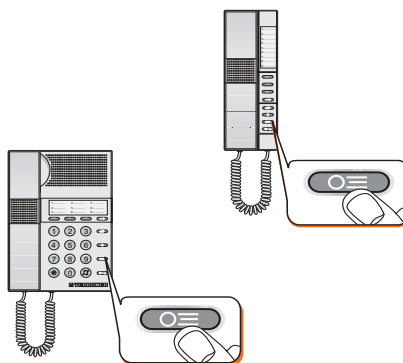


✓ SWITCHING ON THE STAIRCASE LIGHT

(Service available if the telephone is connected to the telephone exchange in a Terraneo door entry or video door entry system).


Press the dedicated  (STAIRCASE LIGHT) key to activate the door lock on the outdoor station. To perform the function:

- With the receiver lifted or in place
- Press the dedicated  (STAIRCASE LIGHT) key
- Wait for about 2 seconds
- Door lock activated.




✓ SELF-SWITCHING ON THE OUTDOOR STATION


(Service available if the telephone is connected to the telephone exchange in a Terraneo door entry or video door entry system).

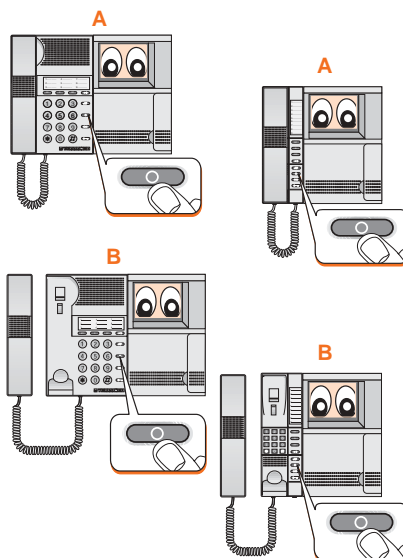
Press the dedicated  (SELF-SWITCH ON) key to display the image taken by the outdoor station camera on the monitor.

A – for just CCTV:


- With the receiver in place
- Press the dedicated  (SELF-SWITCH ON) key
- Wait for about 2 seconds. Just the video is connected with the outdoor station.

B – to connect both video and audio:

- With the receiver in place
- Press the dedicated  (SELF-SWITCH ON) key
- Wait for about 2 seconds. The video and audio are connected to the outdoor station.





✓ ACTIVATING THE ACTUATOR RELAYS

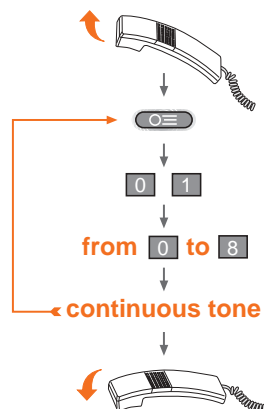
If the telephone is connected to an exchange **item 335818** or **item 335828**, using the dedicated staircase light key () and a sequence of appropriate keys, the other actuator relays (1 - 8) can be activated individually if the extra expansion modules **item 335916** are installed.

(for more information on the use of **item 335916** see the telephone exchange manuals).


The activation procedure is described below:

1. Lift the receiver
2. Press the  (STAIRCASE LIGHT) key
3. Press key **0** to deactivate the relay or key **1** to activate it
4. Press the key corresponding to the relay to be activated between 0 - 8
5. Wait for the continuous exchange tone
6. Start from point 2 again to activate another relay or hang up to finish.

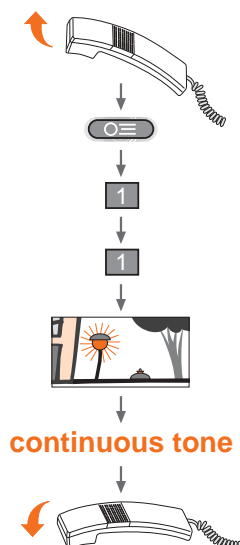
Note: At point 3 the activation or deactivation key must be pressed within 3 seconds after pressing the  (STAIRCASE LIGHT) key. If the key is pressed after 3 seconds the staircase light relay is activated.




EXAMPLE 1: ACTIVATING RELAY 1 (garden light)

- Lift the receiver
- Press the  (STAIRCASE LIGHT) key
- Press the **1** (to activate)
- Press the **1** (relay 1 on extra module)
- Wait for the continuous exchange tone and hang up.

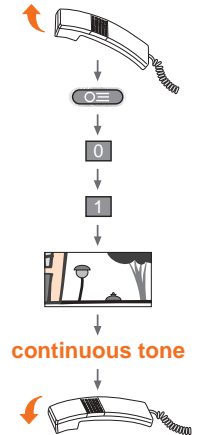
We have activated relay 1 on the extra module, switching on the garden light.




EXAMPLE 2: DEACTIVATING RELAY 1 (garden light)

- Lift the receiver
- Press the  (STAIRCASE LIGHT) key
- Press the **0** (to activate)
- Press the **1** (relay 1 on extra module)
- Wait for the continuous exchange tone and hang up.

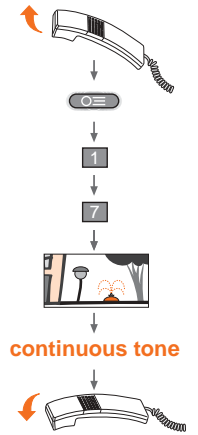
We have deactivated relay 1 on the extra module, switching the garden light off.




EXAMPLE 3 ACTIVATING RELAY 7 (watering the garden)

- Lift the receiver
- Press the  (STAIRCASE LIGHT) key
- Press the **7** (to activate)
- Press the **7** (relay 7 on extra module)
- Wait for the continuous exchange tone and hang up.

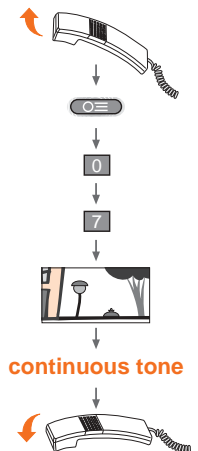
We have activated relay 7 on the extra module, turning the tap on.



EXAMPLE 4 DEACTIVATING RELAY 7 (watering the garden)

- Lift the receiver
- Press the  (STAIRCASE LIGHT) key
- Press the **0** (to deactivate)
- Press the **7** (relay 7 on extra module)
- Wait for the continuous exchange tone and hang up.

We have deactivated relay 7 on the extra module, turning the tap off.

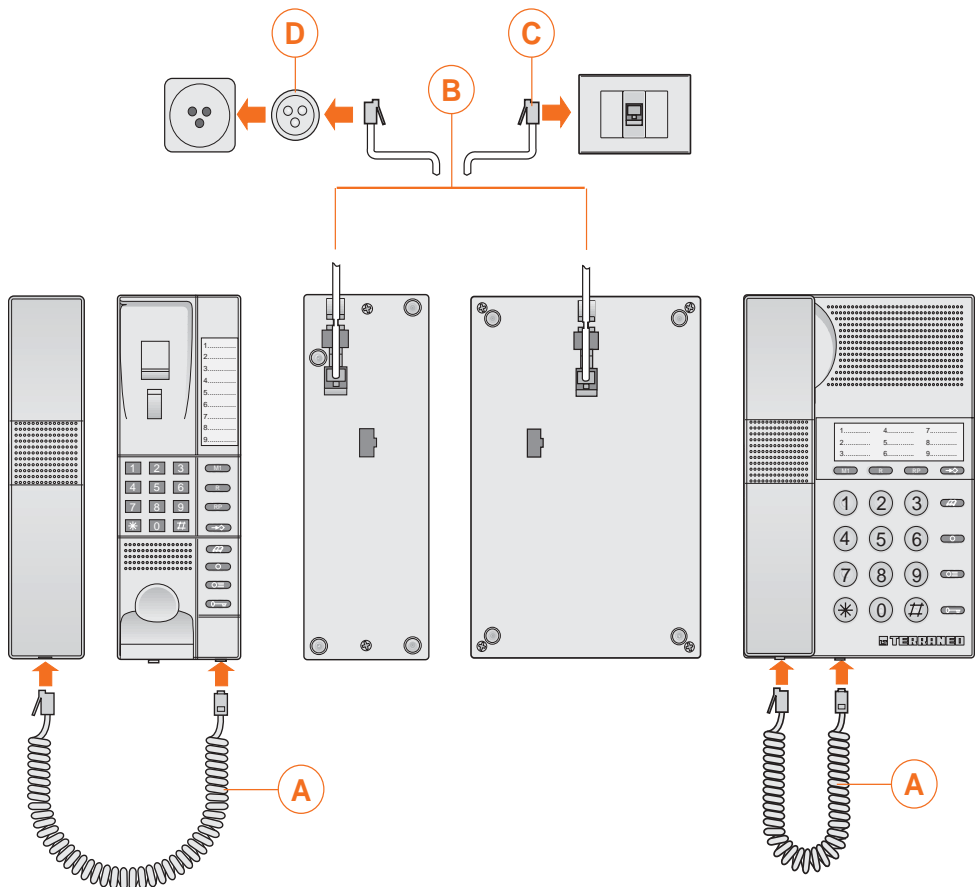


INSTALLATION

✓ SET UP AND CONNECTION

A - Connect the base and receiver with the spiral cord (A) fitted with plug-in jack.

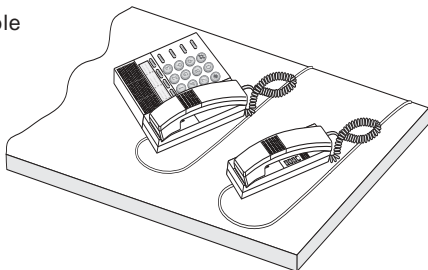
B - Connect the network cord (B) to the base and the telephone line jack directly with the RJ connector (C) or using the three-pole adapter (D).



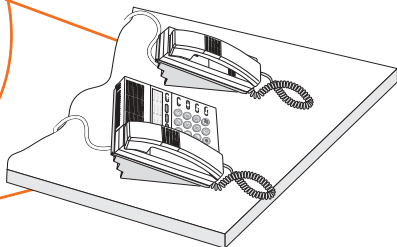
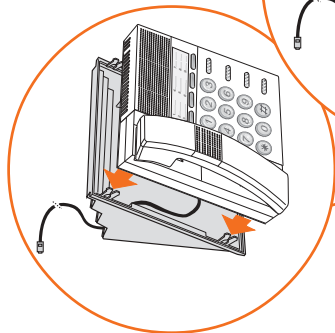
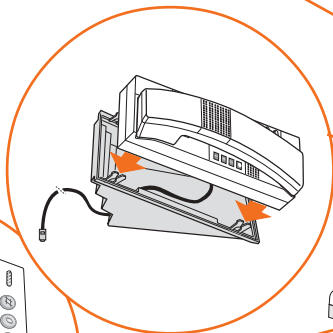
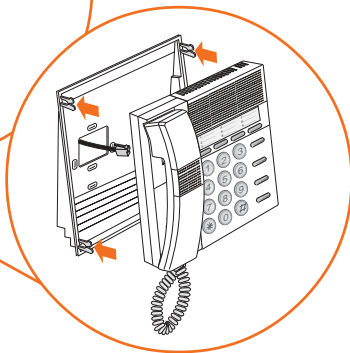
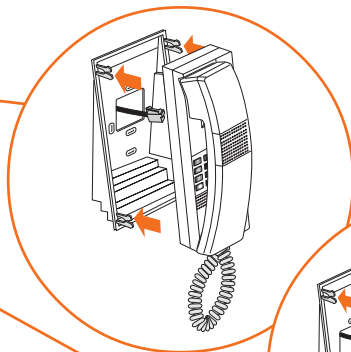
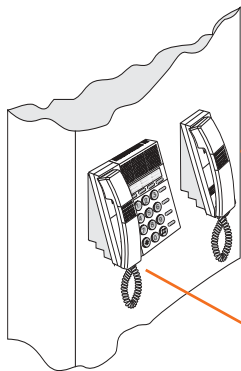
✓ INSTALLATION WITH BASE SUPPLIED

Use the base supplied with the phone to position it as follows:

1. horizontal table mounted using the 2-metre cable supplied.



2. inclined wall mounted using the base and the short cable supplied.

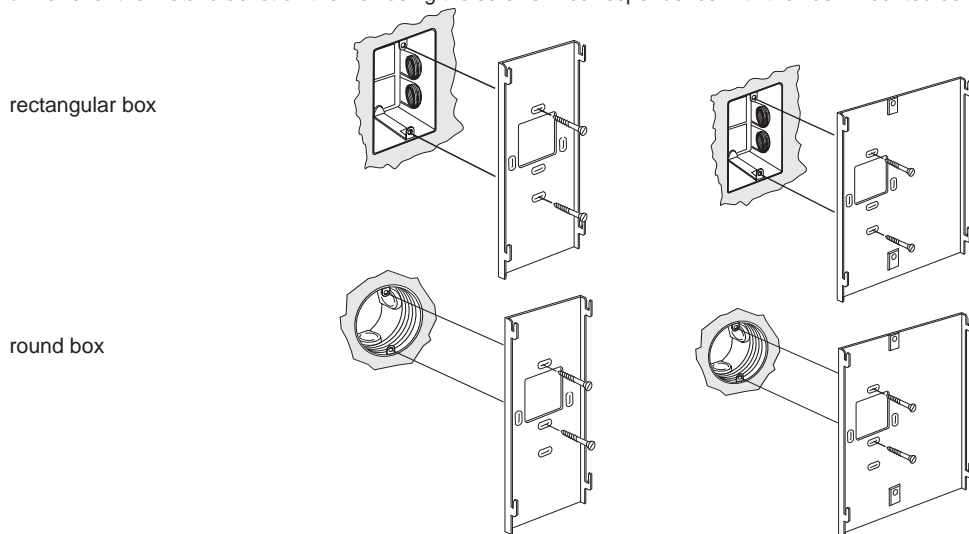


3. table mounted using the base and 2-metre cable supplied.

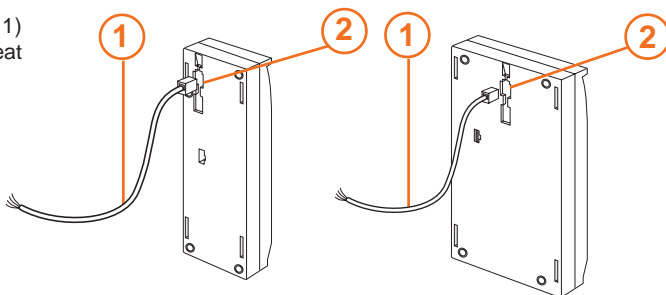
✓ INSTALLATION ON THE WALL WITH BRACKET

Use the metal bracket **item 337140** for the compact telephone and **item 337150** for the standard telephone to install the telephone on the wall, as described below:

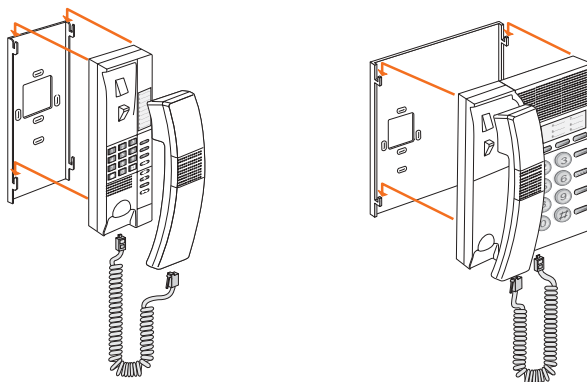
a - anchor the metal bracket on the wall using the screws in correspondence with the flush-mounted box.



b - connect the short cable (1) supplied and put it in the seat (2) of the Pivot telephone.

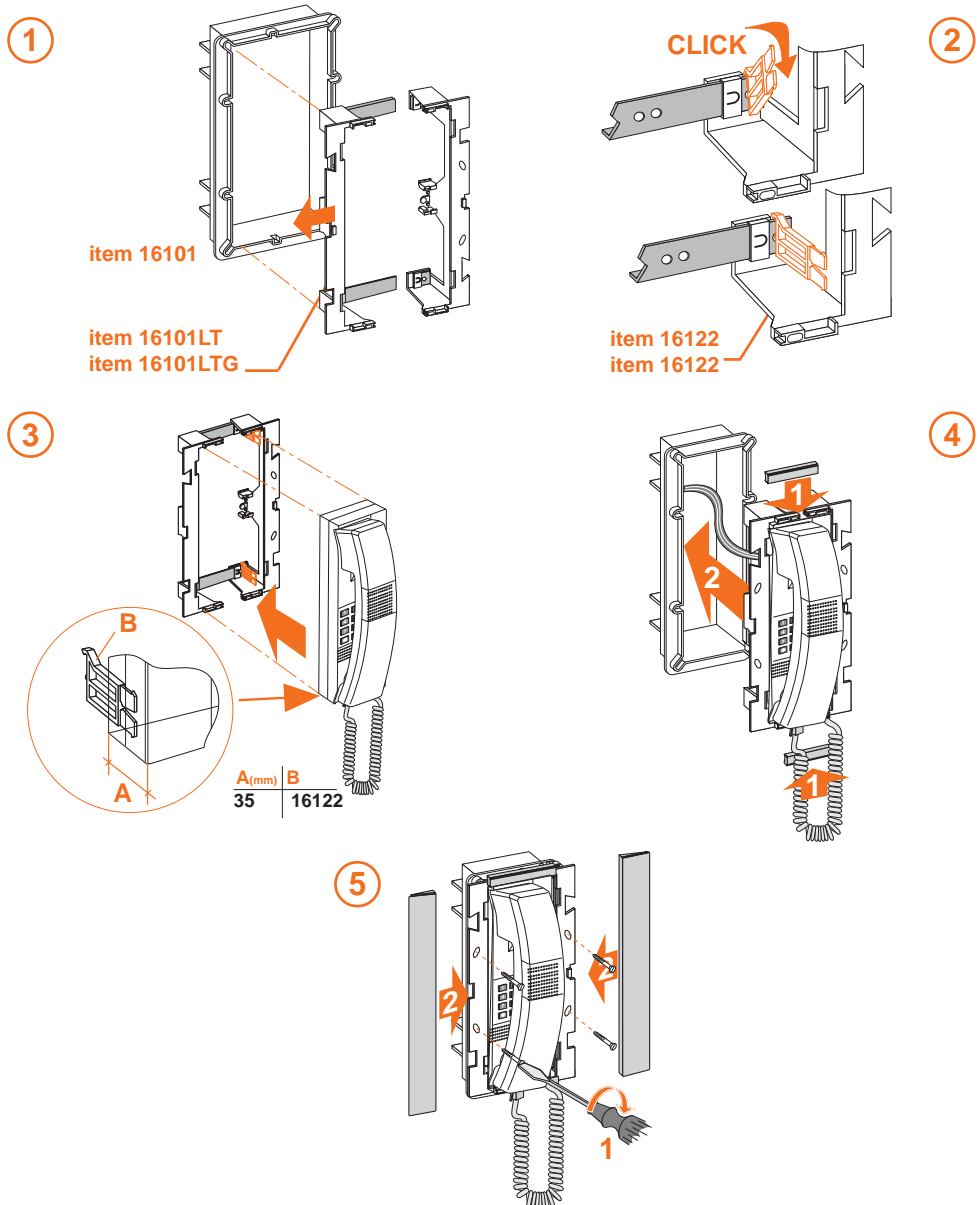


c - fit the telephone on the metal bracket and the spiral cable between the body of the Pivot telephone and the receiver.



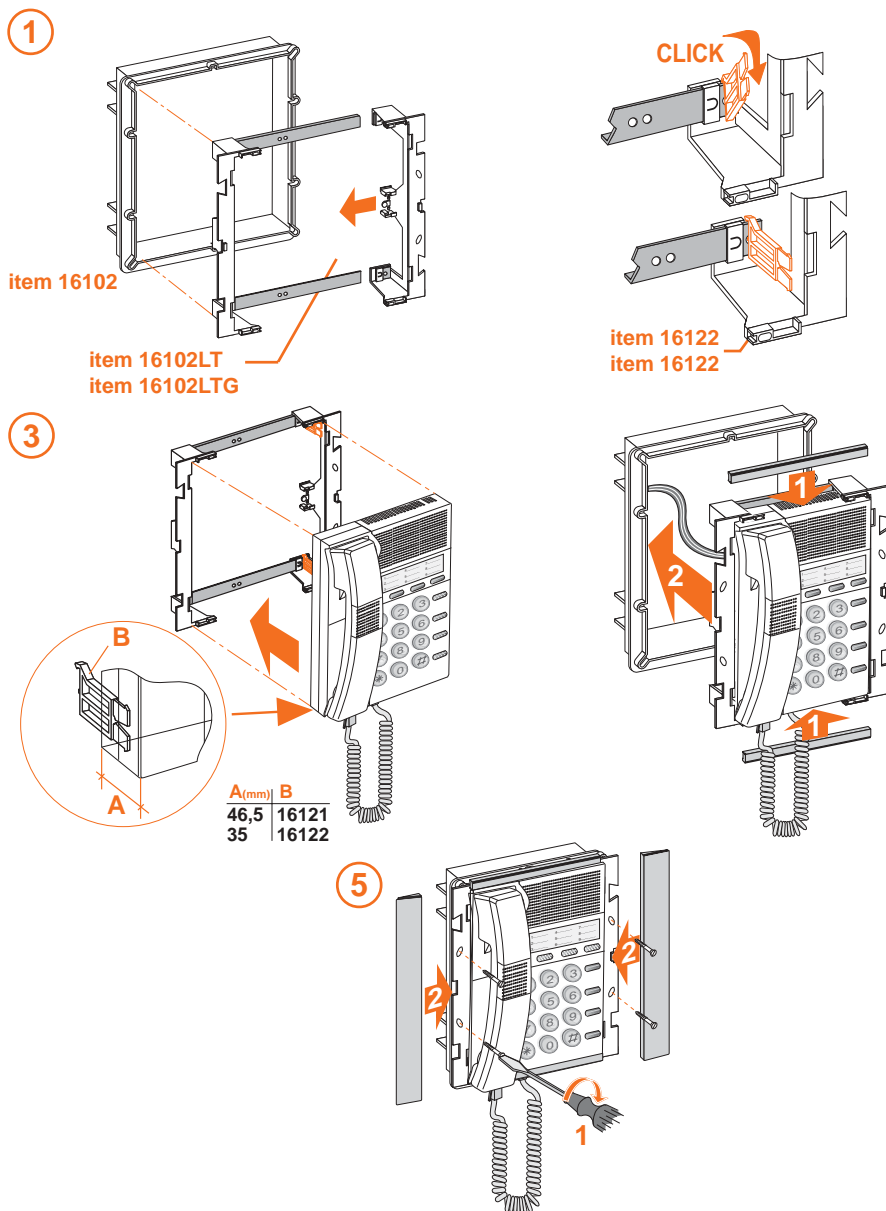
✓ FLUSH INSTALLATION WITH MULTIBOX SERIES FOR COMPACT TELEPHONE

Use the Multibox series items to flush mount the telephone.



✓ FLUSH INSTALLATION WITH MULTIBOX SERIES FOR STANDARD TELEPHONE

Use the Multibox series items to flush mount the telephone.



TECHNICAL DATA

✓ STANDARDS REFERENCES

The item which is the subject of the manual comes with **EC Declaration of Conformity** according to the requirements indicated below:

BTicino S.p.A., Via Messina, 38 - 20154 Milan, indicates that the product with item No.:

335022 - 335023 - 335032 - 335033

conforms to the essential requirements of directive 1999/5/EC in that it respects the following standards:

EN 41003

EN 50081-1

EN 50082-1

ETSI TBR21

ETSI ES 201187 V 1.1.1

ETSI TBR38

Year of Approval EC marking according to the directive indicated: 2000

✓ DIMENSION AND WEIGHT

	Compact	Standard
Length	210 mm	210 mm
Width	70 mm	140 mm
Height	70 mm	70 mm
Weight	460 g	670 g

✓ OPERATING TEMPERATURE

From +0 to +40 °C



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