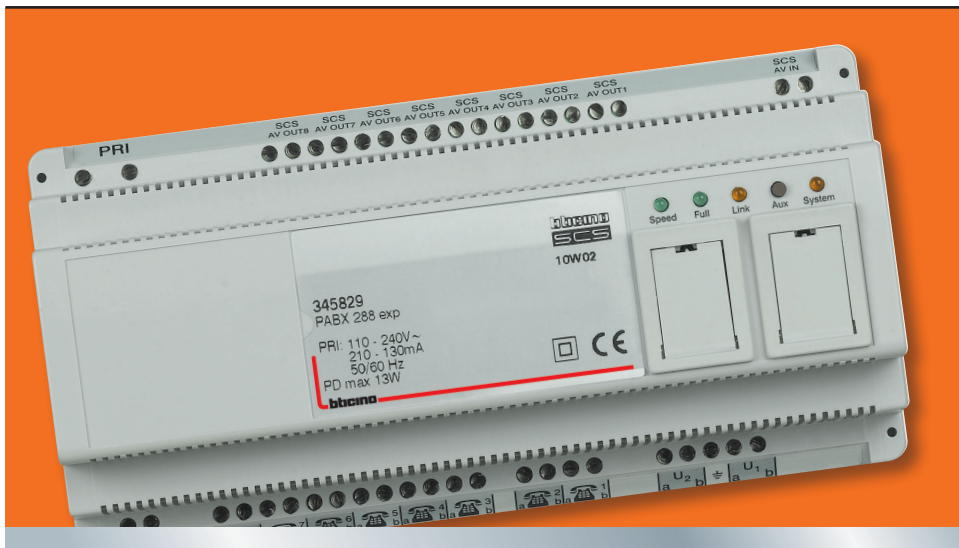


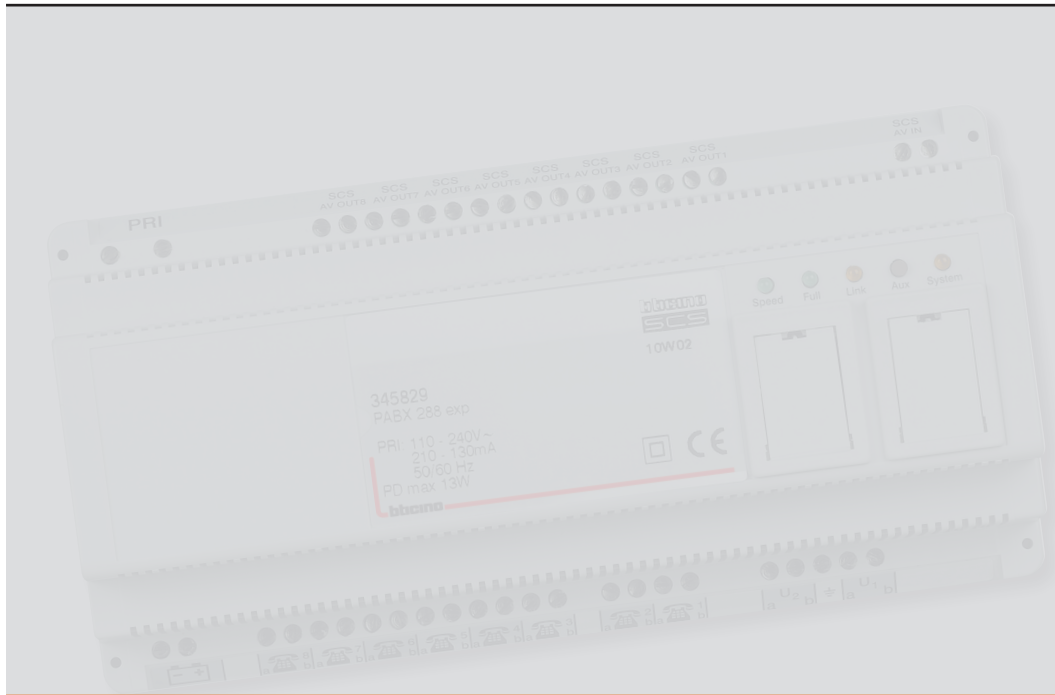
345829

bticino

PABX telephone switchboard

Instructions for use





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Introduction

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1.1 The telephone switchboard

General description

In addition to the various telephone functions, the 345829 telephone switchboard also provides integration with the BTicino video door entry system; for example, using the telephones connected to the switchboard it will be possible: to answer a door entry system call, control the opening of the door lock, control the switching on of the stair lights.

The use of the telephone switchboard in a door/video door entry system also enables intercommunication among all the telephones and handsets installed.

When correctly programmed, it gives the possibility of forwarding both door entry system calls and telephone calls to certain numbers programmed in the address book.

The switchboard also enables using the caller display service on all the 8 extensions (if the service is active on the owner line, and telephones preset for this service are being used); during an intercommunicating call, the switchboard enables displaying the caller.

The remote activation function gives the possibility of sending controls to the My Home system (lights, automations, and scenarios) with a simple call, both using the external fixed line and a mobile phone.

The switchboard provides interaction with the My Home system using 9 different commands.

The 345829 telephone switchboard is capable of managing, in its basic version, two telephone lines, up to 8 telephone extensions, and as many video door entry systems. A range of accessories is available

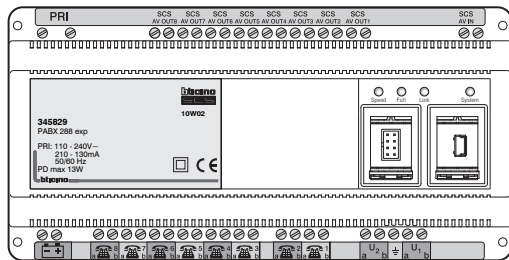
which, when connected to the switchboard, offers the possibility of expanding the performance and potential, to meet the needs of the user.

To ensure ease of use and flexibility of the services, the switchboard is particularly suitable for use in homes, shops, offices, and the small service sector in general.

The manufacturer ensures full compatibility with all telephone handsets, with touch tone telephones, faxes, cordless phones, and answering machines.

It is not possible to connect a modem (56K) on the switchboard output.

If required, this should be directly connected to the telephone line.



Use

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2.1 Telephone functions

Dedicated keys on BTicino telephones



Last call redial key



Access to the telephone address book



Stair lights switching on;
with other types of telephones digit R8



Entrance panel door lock release;
with other types of telephones digit R7



Auto-switching on and cycling between
entrance panels and/or cameras




Bell exclusion



Speaker phone

Direct access to the telephone line

- In the base switchboard configuration, direct access to the telephone line is enabled, to allow access to the outside telephone line:
- Lift the handset 


Calling an external telephone number

- Lift the handset 
- Enter the telephone number to call

TEL NUMBER

- If the service for access to the telephone line is not active, before dialling the number enter 0 (the switchboard uses the first available telephone line), or 11 to access line 1, or 12 for line 2; if a telephone line expansion unit has been installed, dial 13 for line 3 and 14 for line 4.

Calling an extension

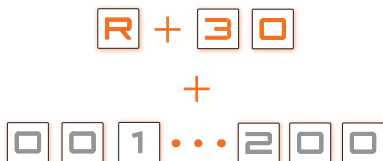
- Lift the handset 
- If the service for direct access to the telephone line is active, press R
- Digit the extension number from 401 to 408

R + 4 0 1 . . . 4 0 8


Call a number in the address book

BTicino telephones have a dedicated key for access to their internal address book; when using other types of telephone you can call a number in the switchboard address book:

- Lift the handset.
- If the service for direct access to the telephone line is active, press **R**.
- Dial the number **30** followed by the progressive number assigned in the address book to the telephone number to call (from **001** to **200**, the number **must always be made up of 3 figures**).



Calling all extensions

- Lift the handset 
- If the service for direct access to the telephone line is active, press **R**
- Digit **400**



Answering a second call

- If during a conversation a second call is received, this is announced by different warning tones, depending on the origin of the call:
 - **1 short BEEP** outside line call
 - **2 BEEPS** door entry system call
 - **1 extended BEEP** intercom call
- After hearing the warning tone, in order to answer the new call, replace the handset to end the current call.



- Wait for the telephone to ring
- Lift the handset to answer



Putting the call on hold to answer another call (telephone calls only)

- After hearing the warning tone, press **R2** to put the caller on hold.



It is now possible:

A) To end the second call, and restart the conversation with the caller on hold; to do this:

- put the handset down
- wait for the call signal
- lift the handset to restart the conversation on hold

B) End the first conversation on hold and start the conversation with the second caller; to do this:

- enter **R2** to restart the first conversation
- end the conversation by putting the handset down
- wait for the call signal
- lift the handset to restart the second conversation on hold

C) Transfer the second conversation to another telephone handset:

- press R and enter the desired extension number
- wait for the extension to answer
- put the handset down
- after putting the handset down, the telephone rings
- lift the handset to restart the first conversation on hold

Putting the call on hold

- Press **R**



- To restart the conversation press **R** again.

Putting the call on hold and transferring it

- Press **R**; enter the extension number the call must be transferred to



- If the extension does not answer, press **R** to take the call back.

Putting on hold and transferring general calls

- Press **R**
- Digit **400**



- All the handsets will ring. The first that occupies the line enters in communication with the caller.

Putting on hold and transferring using the pager

- Press R
- Digit #



- The “pager” function enables callers to broadcast their voice using the sound system loudspeakers and handsets with speaker phone when looking for the call recipient. It will be possible to answer from one of the available telephones.

Using the call transfer function

After activating the call transfer function proceed as follows:

- **The person transferring the call puts the handset down after the first ring;** in this case, the person answering the call will be immediately in communication with the caller previously put on hold.
- **The person transferring the call waits for an answer;** the person answering will be connected to the person transferring the call. In this case there will be three possibilities:
 - the person transferring the call puts the handset down; the person answering the call enters in direct communication with the caller on hold
 - the person answering the call presses R and enters in direct communication with the caller on hold
 - the person transferring the call presses R to communicate with the caller on hold

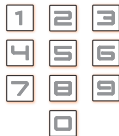
Forwarding telephone calls

- This function gives the possibility of forwarding incoming calls to an external number (saved in position 51 of the address book). When the service is active, calls are transferred automatically, without telephone extensions ringing.
- The service requires at least 2 outside telephone lines.

Answering forwarded calls

The person away from home answering the call must:

- Answer the call from a mobile or fixed phone
- After answering, the switchboard sends a voice message
- To start the conversation press a digit (0 to 9)

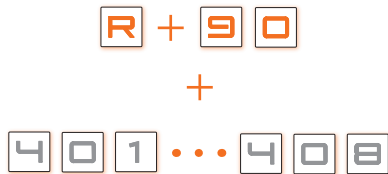


- The voice connection with the person making the call is established
- Every 2 minutes of conversation, the switchboard emits a tone to warn that the time available is expiring
- To continue the conversation press a digit (0 to 9), otherwise the conversation will end automatically within a few seconds
- To stop the conversation at any time press * or # and put the handset down

Answering for an absent person

If an extension telephone rings but the person for whom the call is intended cannot take it:

- Lift the handset.
- If the service for direct access to the telephone line is active, press **R**.
- Dial the number **90** followed by the extension number (from **401** to **408**).

**Operation in case of power cut**

- In case of power cut, extensions **401** and **402** will still be able to make telephone calls.



401 for line 1



402 for line 2


2.2 Video door entry system functions

8 audio-video-telephone handsets and up to 8 video handsets can be connected to the telephone switchboard. For the basic functions refer to the first page of paragraph 2.1.

Pager function

This function can be used to broadcast a speaker phone message using the sound system loudspeakers and handsets with speaker phone. The recipient can answer from any extension.

To activate the function:

- Lift the handset 
- If the service for direct access to the telephone line is active, press **R**
- Press **#**




- If there is no answer, to end the call simply put the handset down.

Intercommunicating call from the video door entry system Handset

When making a call from a video door entry system handset with address **1** to **8**, the call will be addressed to the corresponding telephone extension.

Intercommunicating call within the apartment


To make an intercommunicating call from a telephone to a video handset within the same apartment:

- Lift the handset 
- Press **R**
- Digit **4**, followed by the number of the handset to call (from 1 to 99)

R + **4** + **1** . . . **99**

Intercommunicating call between apartments

To make an intercommunicating call from a telephone to another apartment:

- Lift the handset 
- Press **R**
- Digit **5**, followed by the number of the apartment to call (from 1 to 99)

R + **5** + **1** . . . **99**

- All the extensions of the apartment being called will ring. The receiver lifted will take the call.

DISA service activation

This function can only be activated using the TiPABX programming software.

If activated, following a telephone call the switchboard automatically sends a voice message with the instructions for contacting the desired extension (e.g.: to talk to extension 4 press 4).

The call must enter the extension number during the voice message, or within the following 10 seconds.

In case of error, or failure to enter the extension number, the voice message is repeated; in case of further error, the call is forwarded to the "operator" telephone unit (telephone 1 by default).

If while the DISA voice message is being broadcasted the "remote activation/unblock" password is entered, the user gains access to the My Home remote activation service (if active).

For more information ask the installer.

DOSA activation service

This function can only be activated using the TiPABX programming software.

If activated, it gives the possibility of transferring a door entry system call to the telephone number previously saved in the address book of the switchboard with short numbers:

48 49 and 50

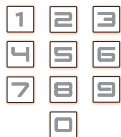
This makes the user available even when not inside the home.

For more information ask the installer.

Answering a DOSA service call

The person away from home answering the call must:

- Answer the call from a mobile or fixed phone
- After answering, the switchboard sends a voice message
- To start the conversation press a digit (0 to 9)



- The conversation with the door entry caller is activated
- After 45 seconds of conversation the switchboard emits a tone to warn that the time available is expiring
- To continue the conversation press a digit (0 to 9), otherwise the conversation will end automatically within a few seconds
- To stop the conversation at any time press * or # and put the handset down

Door lock release using the DOSA service

The DOSA service also offers the possibility of releasing the door lock of the entrance panel:

- During the conversation press **97** to release the door lock



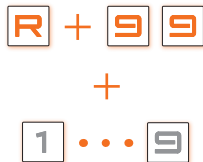
2.3 Home automation commands

The switchboard can be programmed for sending up to 9 different controls to the My Home system (lights, automations, temperature control, sound system and scenarios). The controls may be sent using the fixed external telephone line, or the mobile network. Contact the installer to help you program the most useful commands.

Sending home automation commands from an extension telephone

To send a command to the switchboard from an extension telephone proceed as follows:

- Lift the handset.
- If the service for direct access to the telephone line is active, press **R**.
- Dial the number **99** followed by the command number (from 1 to 9).



- Wait for the confirmation voice message.
- Now you can hang up or send a new command.



Sending home automation commands from an outside telephone line

In order to send a command to the switchboard from the external telephone line, proceed as follows:

- Enter the home telephone number (the external line the switchboard is connected to). After 5 rings (or the number of rings set by the installer), a voice message will ask the user to enter the password; the service can be accessed by entering the password even when an answering machine or a telefax machine are connected.
- Enter the remote activation/unlocking password (for the correct password contact the installer)
- Enter the command following the instructions of the switchboard



- Wait for a confirmation voice message
- Put the handset down, or send a new command (up to 5 different commands can be sent during one telephone call)

**2.4 Other services****Automatic fax recognition (fax switch)**

This service can be programmed by the installer in one or more scenarios and on one or both the outside lines.

When the scenario is active, the switchboard will recognise any external calls intended for a Fax (data call) machine, and forward them directly to the corresponding extension.

When an external call is received, the switchboard answers with the message "wait please". If it receives a Fax tone within 6 seconds, the call is sent to the programmed extension.

If while the "Fax switch" service voice message is being broadcasted the "remote activation/unblock" password is entered, the user gains access to the My Home remote activation service.

Telephone and video door entry system answering machine

By connecting an answering machine to an extension and programming this extension to perform the answering machine function (for more information contact the installer), it will be possible to use the answering machine service both for telephone and door entry system calls.

Both services can be activated at the same time: the answering machine connected to the switchboard will activate both when an external telephone call and a video door entry system call are received.

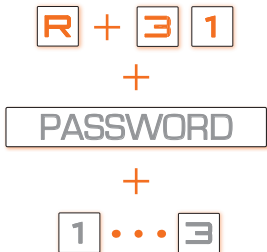
If while the answering machine voice message is being broadcasted the "remote activation/unblock" password is entered, the user gains access to the MY HOME remote activation service.

Changing the scenario

Your switchboard can be programmed to work according to preset scenarios which operate differently as a function of the time and/or day of the week.


Activation of the scenarios is managed autonomously by the switchboard and follows the programming made by the installer (contact your installer for more information); the procedure which follows lets you change from the active scenario to another.

- Lift the handset.
- If the service for direct access to the telephone line is active, press **R**.
- Dial the number **31** followed by the user password
- Dial the scenario number (from 1 to 3).



Customisation of voice messages

Pre-recorded voice messages may be customised using the following procedure:

- Lift the handset 
- If the service for direct access to the telephone line is active, press **R**
- Enter * followed by the ID (00 to 11) of the message being customised (see table on the side)



- Record the custom message
- Each message has a maximum duration limit, after which recording is automatically interrupted; to end recording before this time limit has expired press **R**

ID	EVENT	PRE-RECORDED MESSAGE
00	Waiting message	Please wait
02	DOSA redirection	Call from the door entry system
04	Remote activation message	MyHome system: insert password
05	Error	Error
06	Command executed	Command executed
07	Command not executed	Command not executed
08	MY HOME remote activation	To execute command 1 push 1. To execute command 2 push 2. To execute command 3 push 3. To execute command 4 push 4. To execute command 5 push 5. To execute command 6 push 6. To execute command 7 push 7. To execute command 8 push 8. To execute command 9 push 9.
09	Menù DISA 1	Hello. Please dial the internal number you wish to call, or wait for a free operator.
10	Menù DISA 2	Bticino PABX. We are absent at the moment.
11	Call forwarding	Externall call submitted by Bticino Pabx.



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