



2 WIRE Switchboard

346310

Description

Switchboard for 2 WIRE audio and video systems. It provides access to various services (video door entry system functions, door lock and/or stair light management, and monitoring of apartment alarms) directly from the keyboard, or using the intuitive icons menu. The switchboard is supplied with built-in table-top support and has a 7" colour LCD display, receiver and handsfree, dedicated keys for the main functions, and configurable keys. Programming can be performed directly from the device, or using a PC with the TiSwitchBoardDevice software installed (supplied). It gives the possibility of creating a directory of handsets, entrance panels, and switchboard. the device DOES NOT MANAGE secondary EPs and apartment EPs (connected downstream the apartment interface 346850). The use of additional power supply is recommended.

It is possible to connect up to maximum 16 switchboards (configured from 0 to 15).

WARNING: the switchboard cannot be used in systems with 2 WIRE IP interface 346890.

Related items

336982 White LIVINGLIGHT series 8 pole socket for table-top installation of the switchboard

336803 cable (8 wires - uncapped) for table-top installation of the switchboard

346020 additional 2 DIN modules power supply

Technical data

Power supply from SCS BUS: 19 – 27 Vdc

Absorptions from BUS (without additional supply):

- stand by absorption: 35 mA

- max. operating absorption: 450 mA

Absorptions from BUS (with additional supply):

- stand by absorption: 5 mA

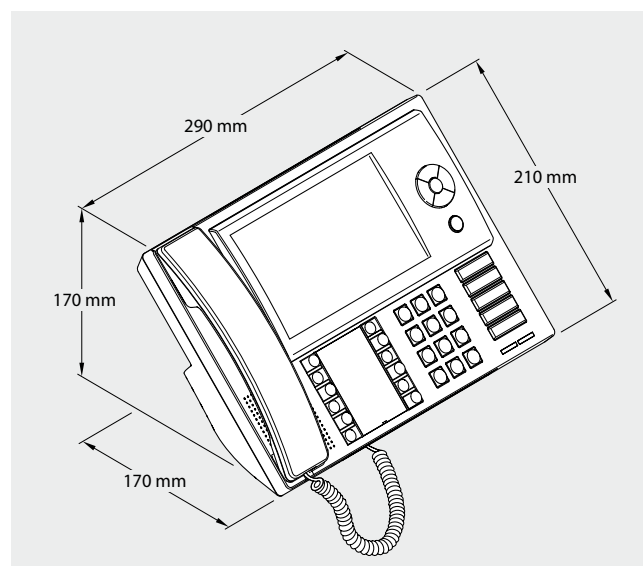
- max. operating absorption: 20 mA

Operating temperature: 5 – 40 °C

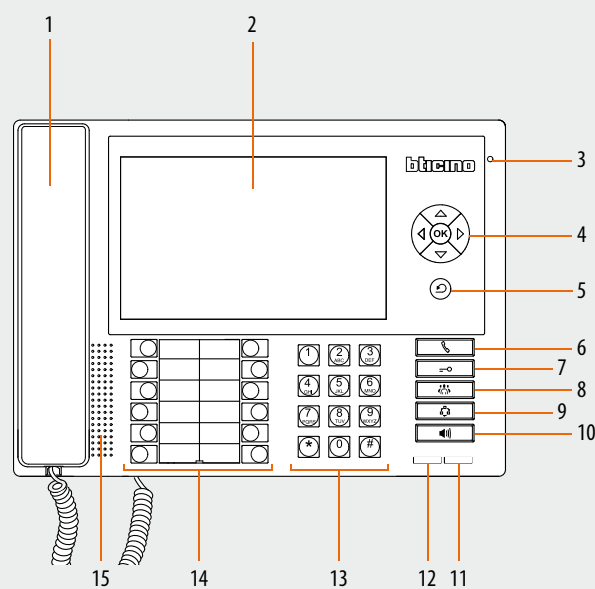
Load of relay contacts: 24 Vac / 24 Vdc

3 A, cosφ = 1

Dimensional data



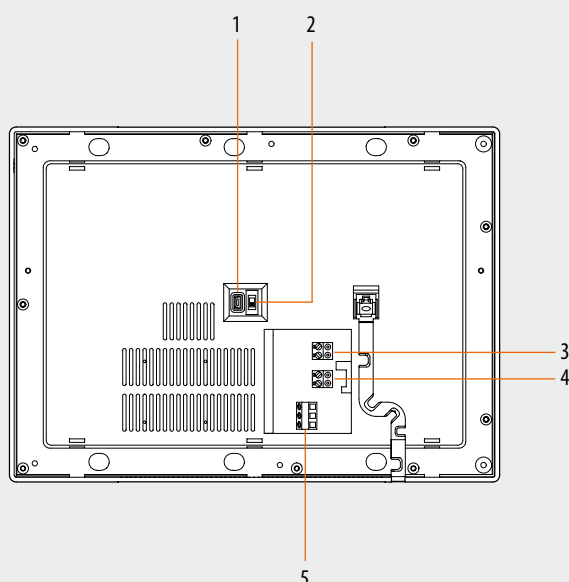
Front view



Legend

1. Handset
2. 7" colour LCD display for the displaying of the user and programming menu and of the images recorded by the entrance panel or cameras
3. Microphone
4. Navigation keypad. It enables navigating through the menus, with the possibility of confirming the selection (OK key)
5. Cancel key
6. Direct call key
7. Door lock release key
8. Directory access key
9. Entrance panel and camera cycling activation key
10. Handsfree key
11. Alarm warning LED
12. Operation status LED:
 - LED ON (steady)=device in stand-by
 - LED ON (flashing quickly)=call pending
 - LED ON (flashing slowly)=busy
13. Alphanumeric key
14. Keypad + legend of configurable functions
15. Loudspeaker

Rear view



Legend

1. Mini-USB connector for PC connection
2. Line termination ON/OFF micro-switch
3. Clamps for the connection of the 2-WIRE SCS BUS BTicino
4. Additional power supply connection clamps (1 - 2)
5. Clamps for the connection of the power supply of the audible signal device (optional)

Functional notes

The maximum installation distances are the same as for 2 WIRE handsets.

Calls from entrance panels are received by all switchboards connected to the system (the first switchboard answering takes the call).

Calls from handsets may be managed in two different ways (based on the configuration of the handsets themselves):

mode 1 – handsets configured with P=0 – the calls from these handsets are received by all the switchboards of the system (the first switchboard answering takes the call).

mode 2 – example, Handset configured with P=81 – the calls from these handsets are only received by the secondary switchboard configured with 1; handsets configured with P=95 – calls from these Handsets are only received by the secondary handset configured with 15.

The management of the operating mode (day/night) is only entrusted to the main switchboard (configured with 0).

Configuration

The switchboard must be configured as far as:

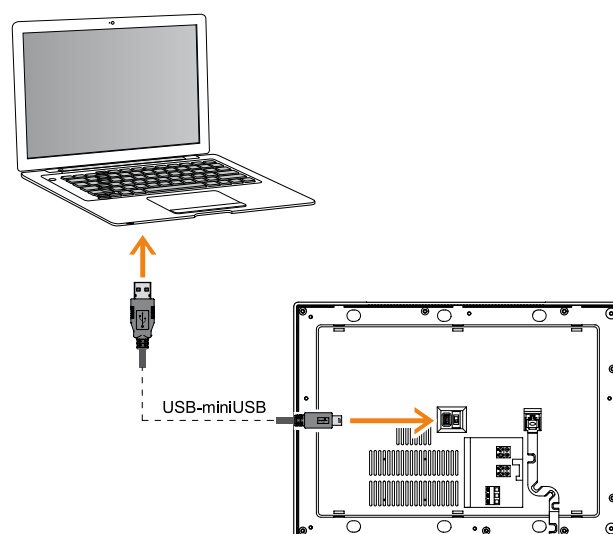
- **Setting of the local switchboard address** (0 or 1 - 15)
- **Setting of the associated entrance panel address** (1 - 80)
- **Setting of any associated service handset**

Two different configuration modes are available:

- directly from the icon menu of the switchboard
- using a PC with the TiSwitchboardDevice software installed (available in the CD supplied)

WARNING: certain specific functions, such as the filling of the directories and the management of the ringtones, require the configuration to be performed using the PC.

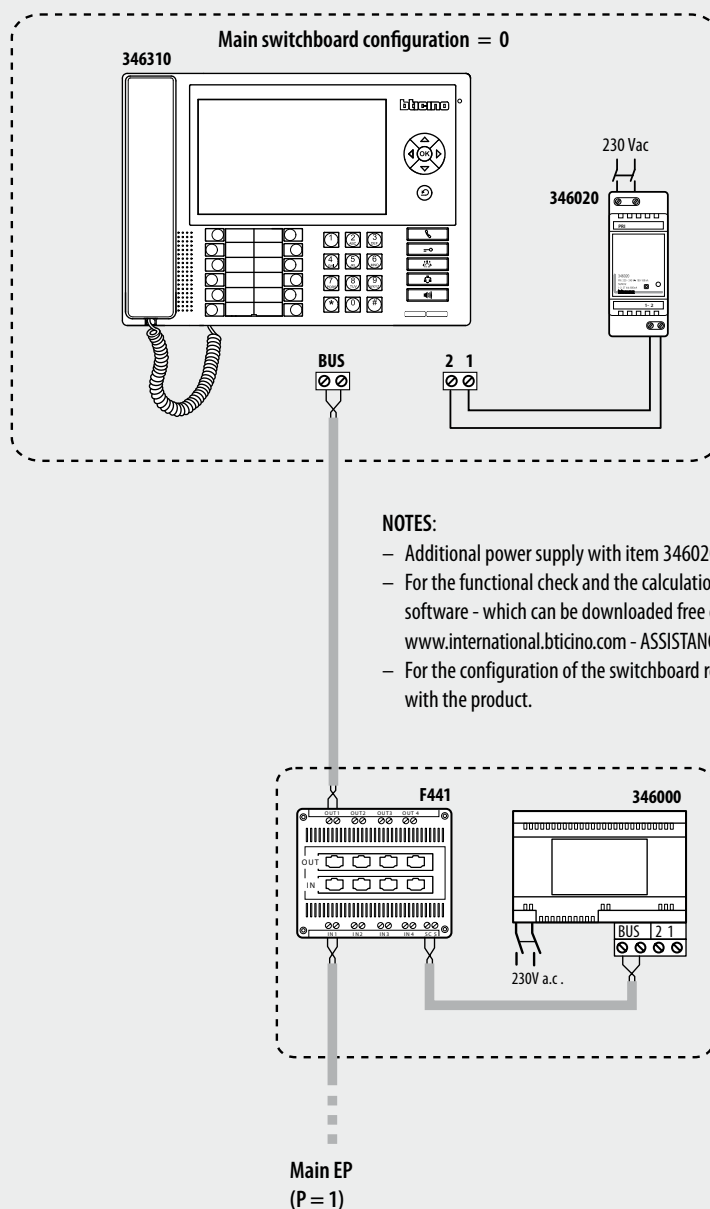
To transfer the configuration performed using the software or to update the device, connect the switchboard to the PC using the USB-mini cable.



To enable communication the device must be powered.

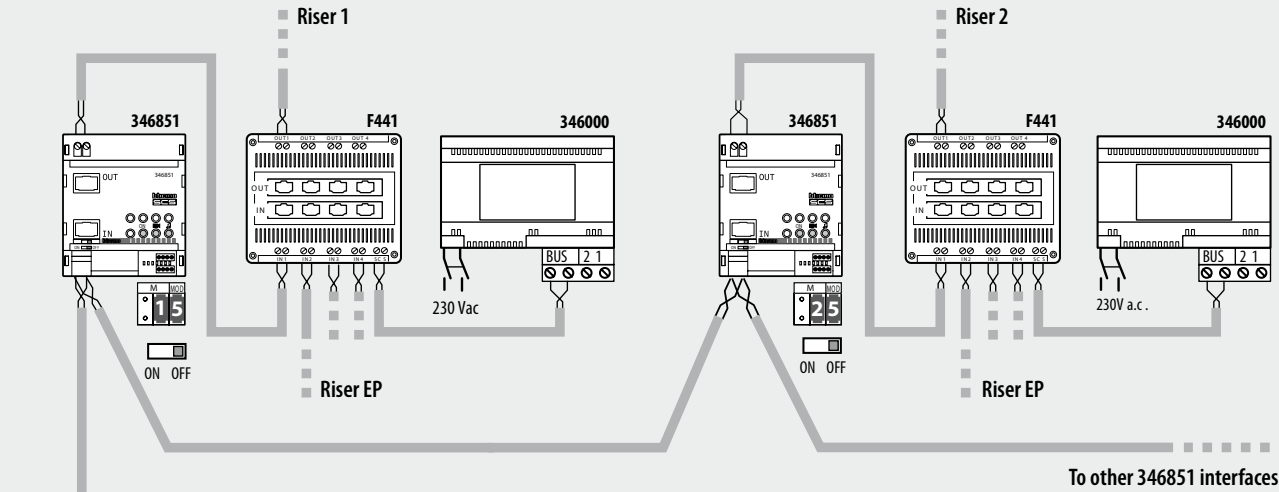
Wiring diagrams

Diagram 1 : Single riser with one Switchboard



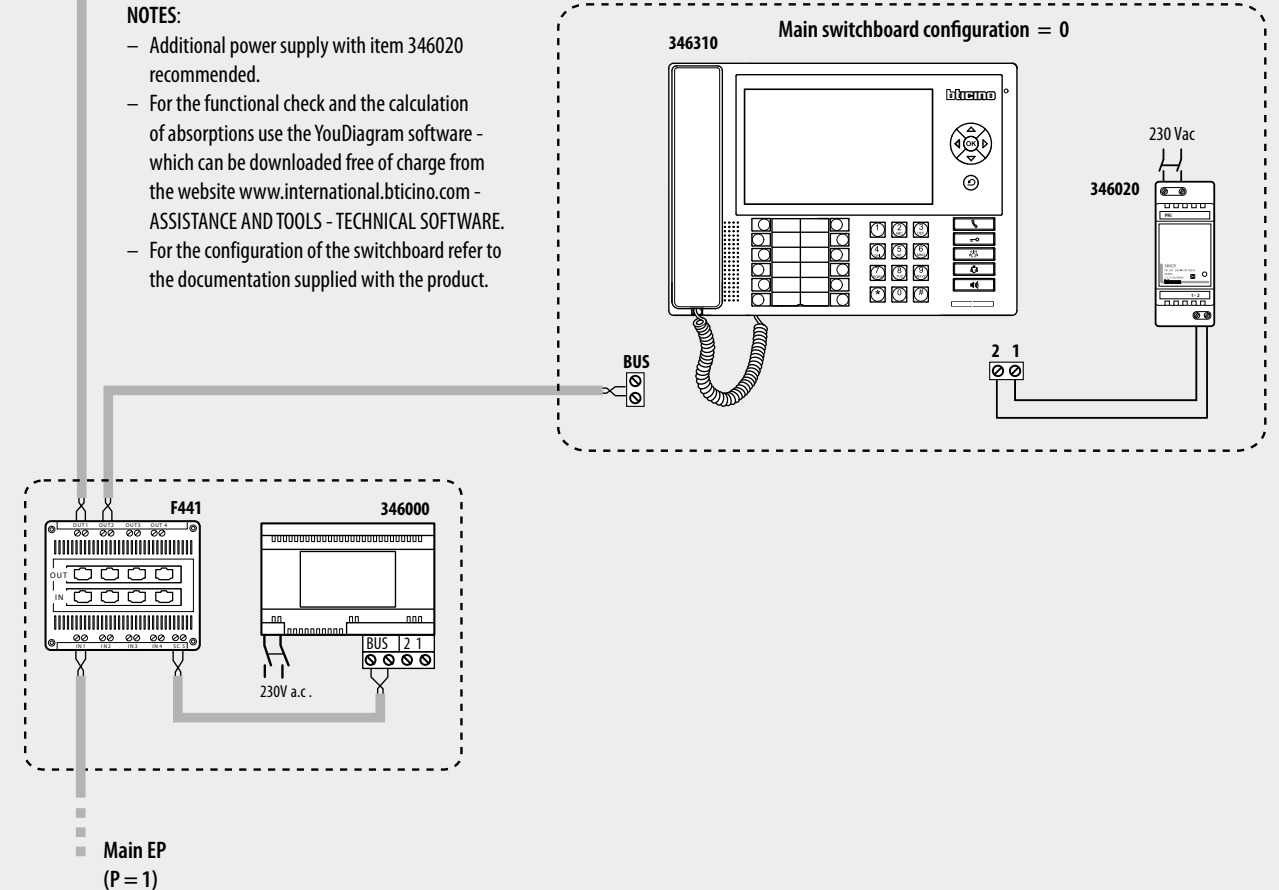
Wiring diagrams

Diagram 2 : 2 wire multi riser with one Switchboard



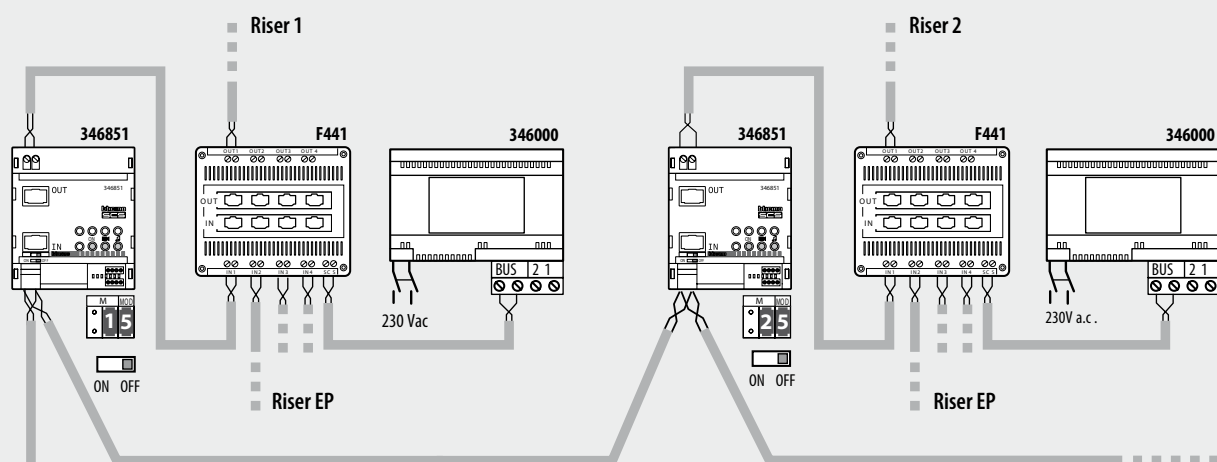
NOTES:

- Additional power supply with item 346020 recommended.
- For the functional check and the calculation of absorptions use the YouDiagram software - which can be downloaded free of charge from the website www.international.bticino.com - ASSISTANCE AND TOOLS - TECHNICAL SOFTWARE.
- For the configuration of the switchboard refer to the documentation supplied with the product.



Wiring diagrams

Diagram 3: 2 wire multi riser with several Switchboards



NOTES:

- In systems with several switchboards, secondary switchboards must be powered locally with an additional power supply item 346020.
- Max. 3 switchboards can be connected to the audio-video node using a star type connection.
- For the configuration of the switchboard refer to the documentation supplied with the product.

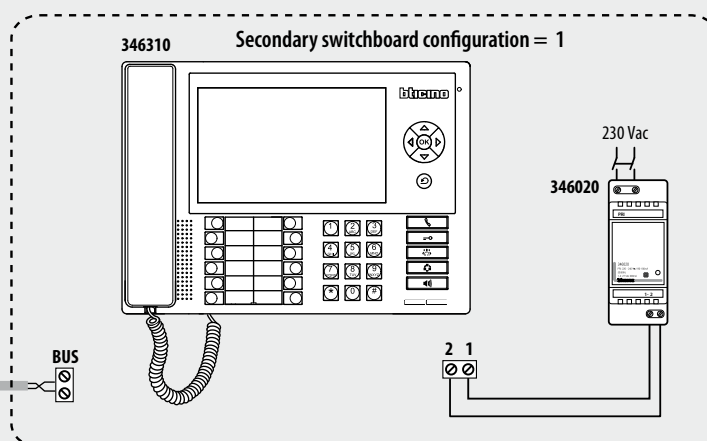
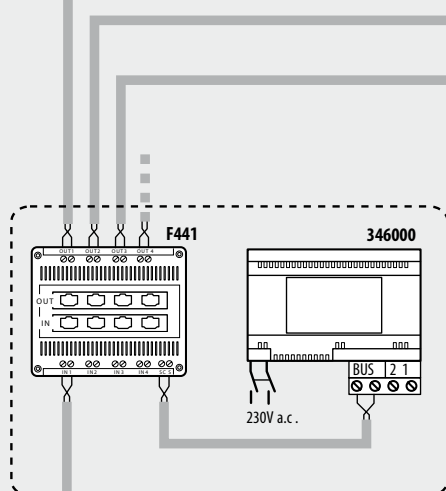
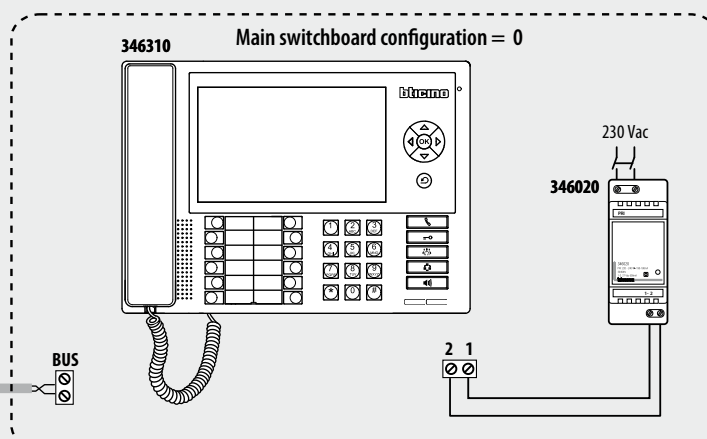
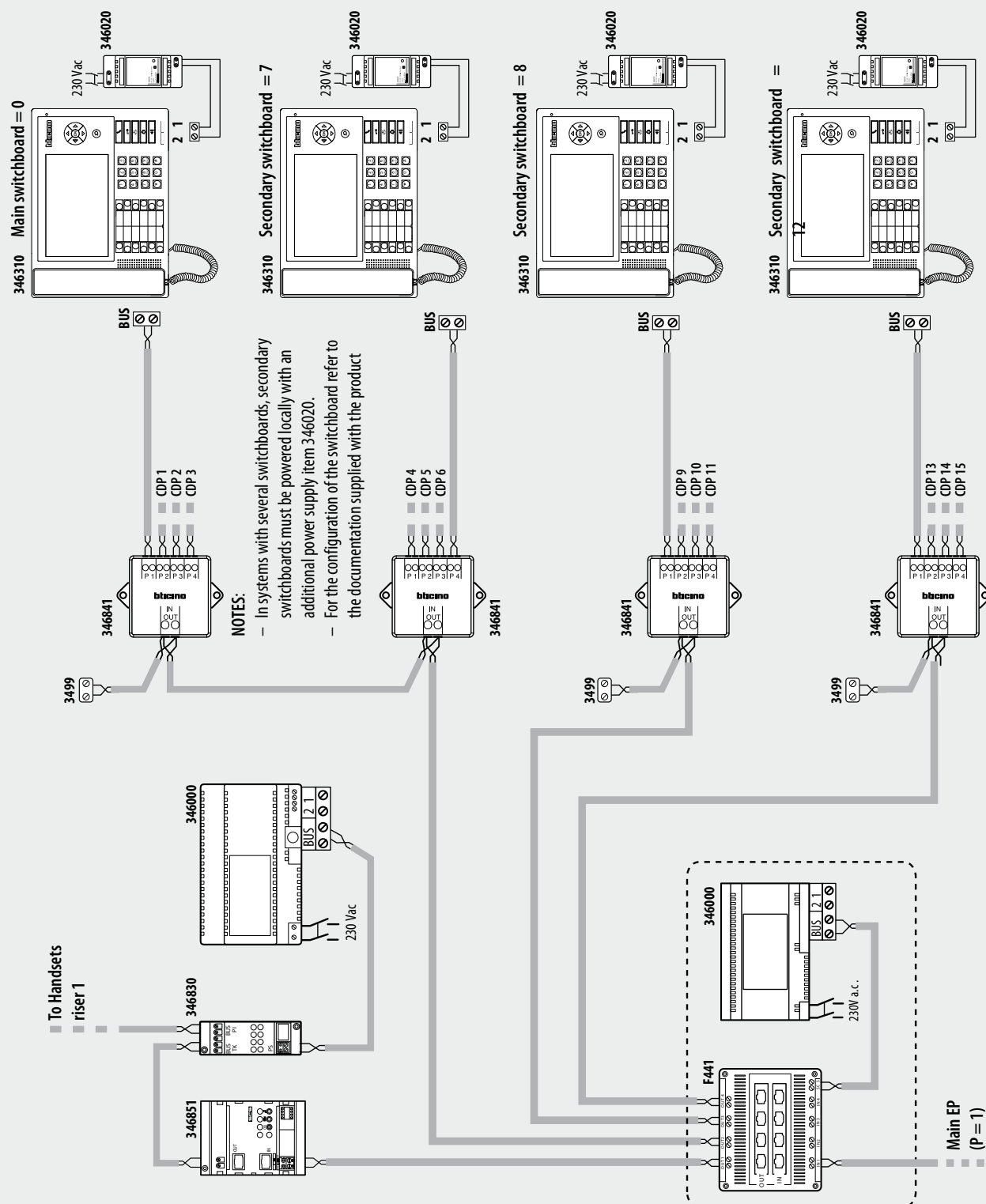
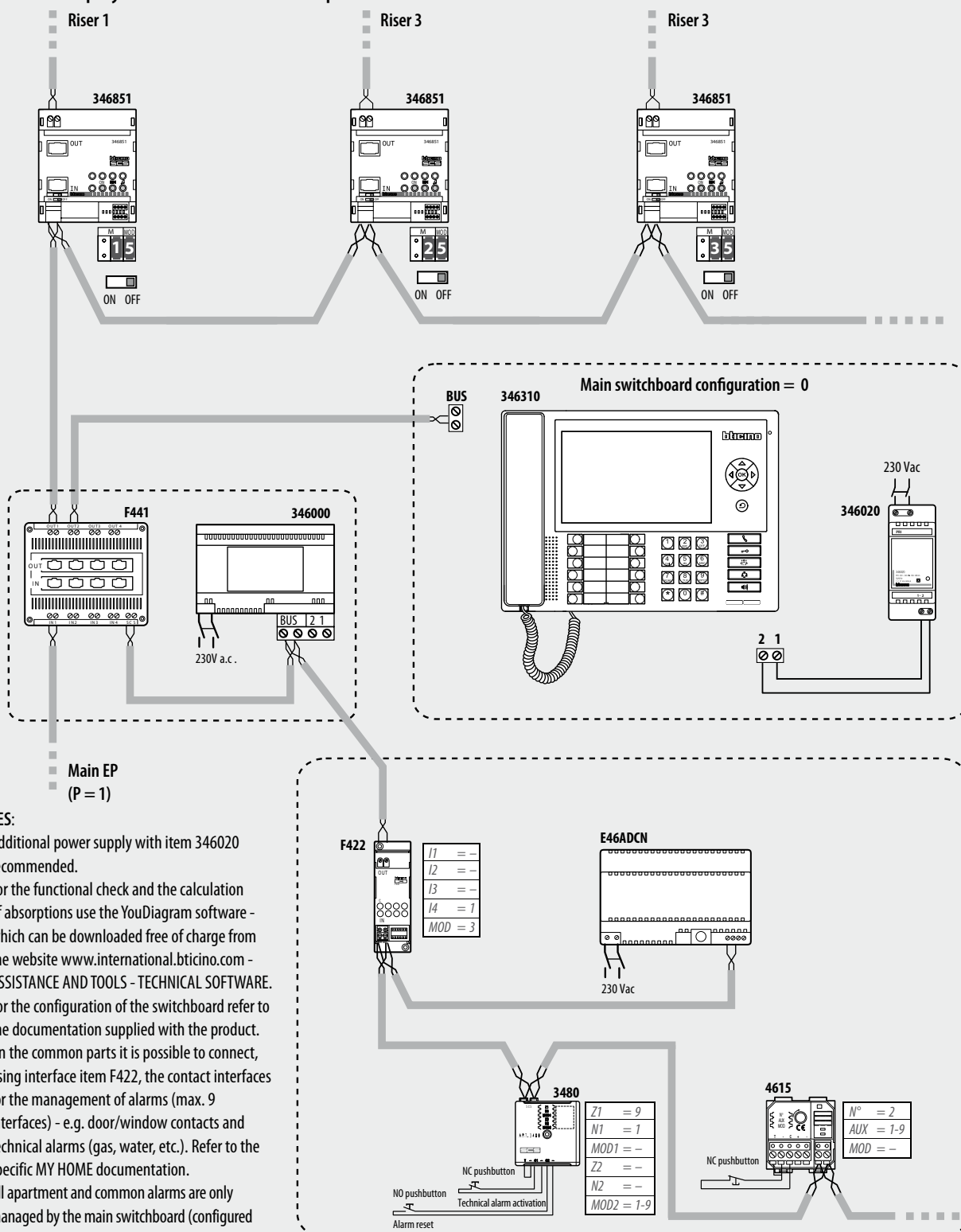


Diagram 4: 2 wire backbone connection of 16 switchboards



Wiring diagrams

Diagram 5 : Display of alarms from common parts on backbone



NOTES:

- Additional power supply with item 346020 recommended.
- For the functional check and the calculation of absorptions use the YouDiagram software - which can be downloaded free of charge from the website www.international.bticino.com - ASSISTANCE AND TOOLS - TECHNICAL SOFTWARE.
- For the configuration of the switchboard refer to the documentation supplied with the product.
- On the common parts it is possible to connect, using interface item F422, the contact interfaces for the management of alarms (max. 9 interfaces) - e.g. door/window contacts and technical alarms (gas, water, etc.). Refer to the specific MY HOME documentation.
- All apartment and common alarms are only managed by the main switchboard (configured with 0).