www.bticino.com

IP DES - Small video entrance panel with 4.3” touch display

374005

Description

Small video entrance panel with 4.3” vertical touch display, face recognition and badge reader for access control functions.
From the touch display, it is possible to make calls to the apartments and the guard station and enter the access code to release the lock. Configuration of different calling modes:
- Apartment code (Area - Building - Riser - Floor - Apartment)
- Numeric or alphanumeric codes for residents
- Address book with contact list

Settings menu for maintenance and for managing settings (e.g. backlight brightness, ring volume, speaker volume, touch volume, screensaver time). Possibility to upload customized screensavers using the configuration software. This device can be PoE (power over Ethernet) powered, or directly powered using power supply 375005. Flush mounted installation using the dedicated box 375009.

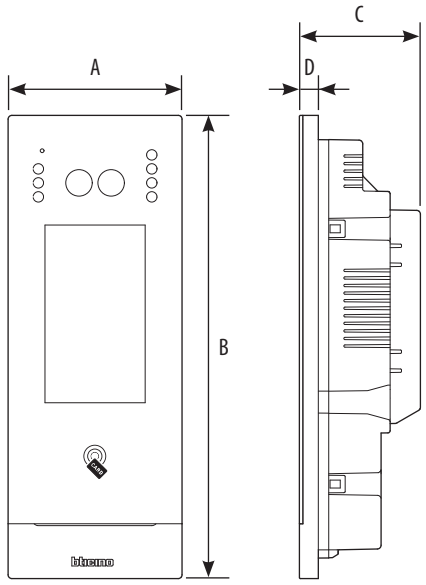
Related items

375009 Metal box for small video entrance panel with 4.3” vertical touch display

Technical data

Voltage:	24 Vdc
Maximum consumption:	0.41 A
C NC NO contact output:	125 Vac/0.5A, 30Vdc/2A
Max. cable section for clamps:	0.8 mm^2
Operating temperature:	(- 40) – (+ 70) °C
IP degree of protection:	54
IK degree of protection:	07
Camera resolution:	1080 p
Camera viewing field angle:	H= 80°; V= 53°
Face recognition distance during daytime:	30 – 80 cm
Face recognition distance at night:	30 – 50 cm
Badge reader frequency:	13.56 MHz
Badge reader transmission power:	< 42 dBuA/m @ 10m

Dimensional data



A	B	C	D
92 mm	245 mm	10 mm	64 mm

Front view

Legend

1. LED for the shooting field lighting
2. Microphone
3. Light sensor
4. Camera
5. Display 4.3” (touch screen)
6. Badge reader for door lock opening
7. Loudspeaker
8. Locking screw

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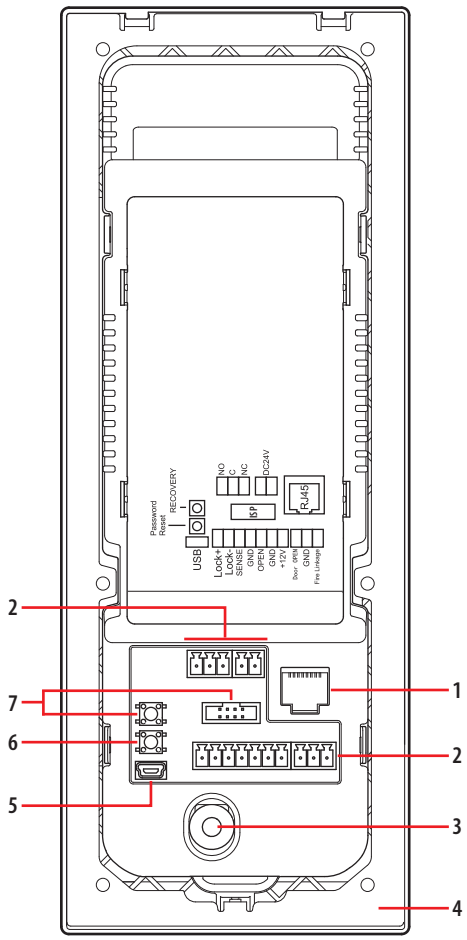
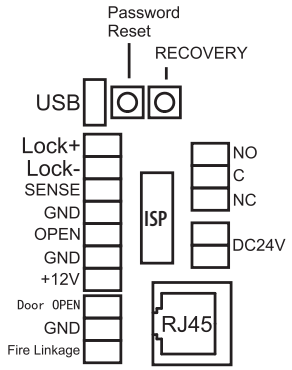
Rear view



Legend

1. RJ45 Connector (*)
2. Connection clamp
3. Tamper switch
4. Mounting bracket
5. USB Connector (not used)
6. Reset to the factory settings push button
7. Not used

(*) This device does not support standard POE power supplies, but only POE power supplies identified with item no. 375002. Connect the cat5/5e/6 FTP or cat5/5e/6 UTP cable with ferrite supplied to the connector.



Connection clamps	
LOCK+	electric door lock connection and control (12V - 4A impulsive on 3 Ohm maximum)
LOCK-	
SENSE	door lock status signal input (dry contact)
GND – +12V	access control devices power supply
OPEN	third party access control signal input for door lock opening (+12Vdc pulse)
GND	system common ground terminal for third party connection
Door OPEN – GND	local door lock release pushbutton connection
FIRE Linkage – GND	local door lock release pushbutton connection for firealarm system
NO	interlocked contact
C	
NC	
DC24V	additional power supply clamps (not polarized)

Configuration

To use the device, it is necessary to configure it and create the Community structure using the DES Server software, following the steps below:

- Step 01 — Community VLAN network creation
- Step 02 — Community structure definition
- Step 03 — Community structure creation
- Step 04 — Device MAC address registration
- Step 05 — Forwarding of the phonebook to the Server DES
- Step 06 — Installation of the devices
- Step 07 — Activation of the devices
- Step 08 — System test

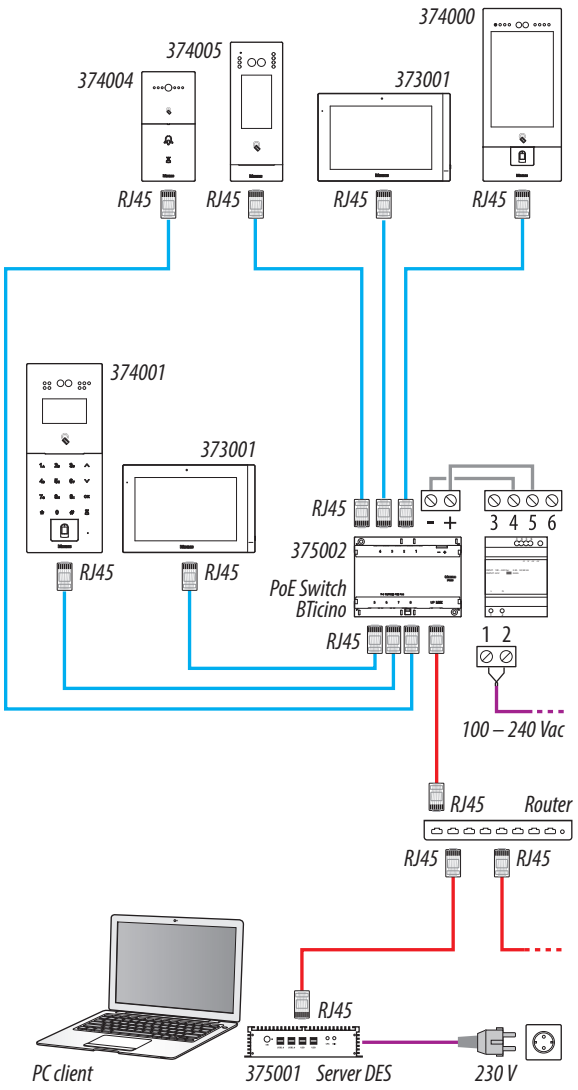
For further information, please refer to the Server DES Software Manual, available for download from www.homesystems-legrandgroup.com website.

Wiring diagrams

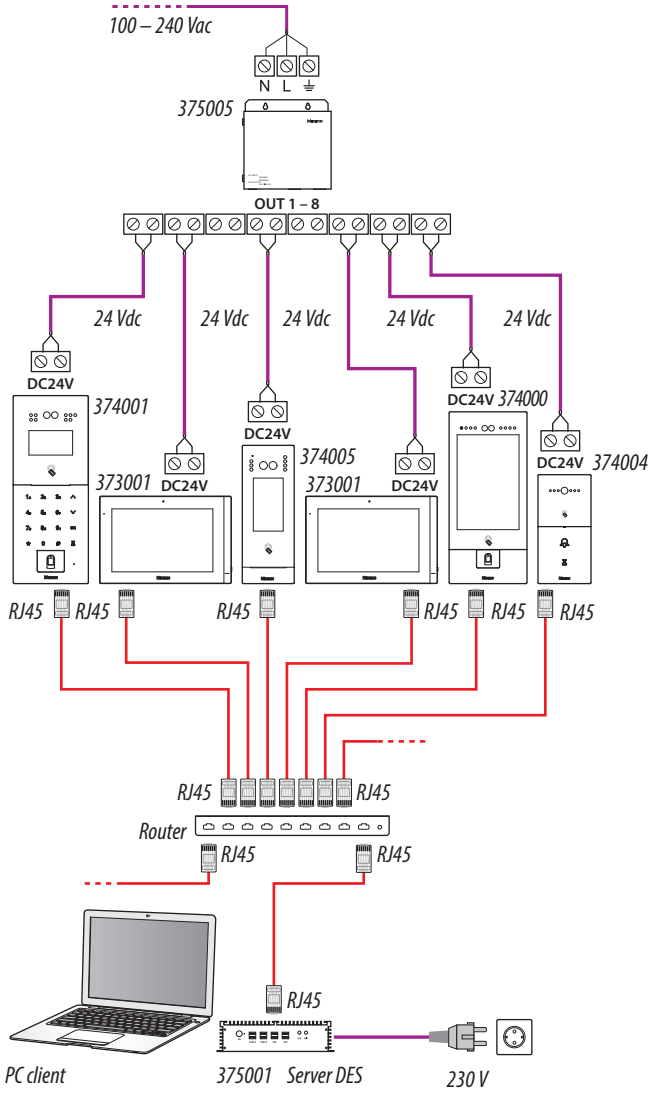
CABLES LEGEND	LAN PoE BTicino	LAN Ethernet	Copper cables	2 x Copper cables

It is possible to use two different types of connection according to installation situation:

A - Diagram with power supply by BTicino PoE Switch



B - Diagram with local power supply



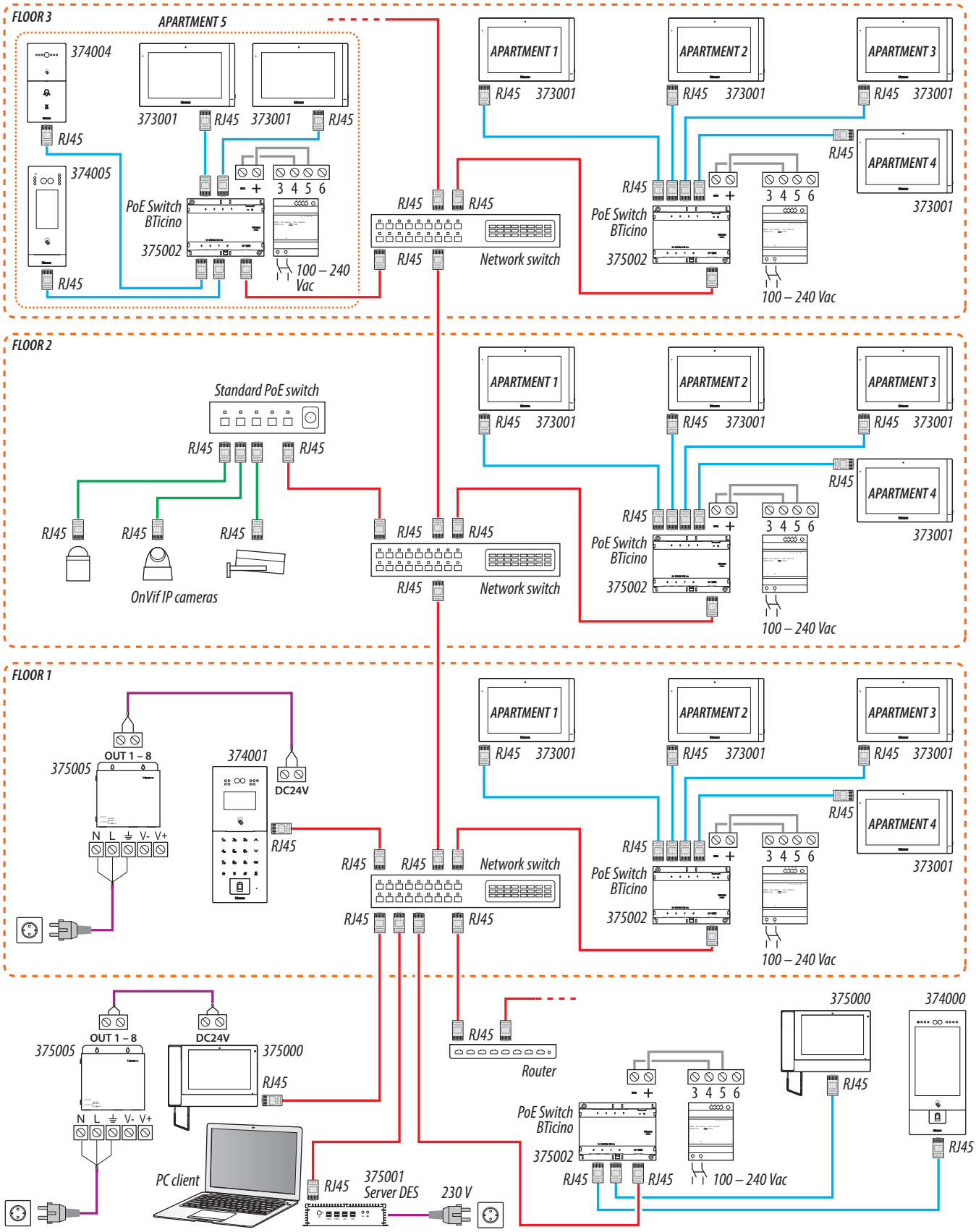
Attention: this device does not support standard POE power supplies, but only POE power supplies identified with 375002. Connect the cat5/5e/6 FTP or cat5/5e/6 UTP cable with ferrite supplied to the connector.

Attention: do not directly connect PoE ports to an unsuitable network interface, such as a device powered by a different voltage. Connect the UP LINK port to a suitable port, never to a PoE port.

Note: maximum length of every LAN permanent link line = 90 m.

Ethernet connection

CABLES LEGEND	LAN PoE Standard	LAN PoE BTicino	LAN Ethernet	Copper cables	2 x Copper cables



Attention: do not directly connect PoE ports to an unsuitable network interface, such as a device powered by a different voltage. Connect the UP LINK port to a suitable port, never to a PoE port.
Note: to connect the devices it is possible to use both types of wiring (diagram A or diagram B) or even mixed ones.

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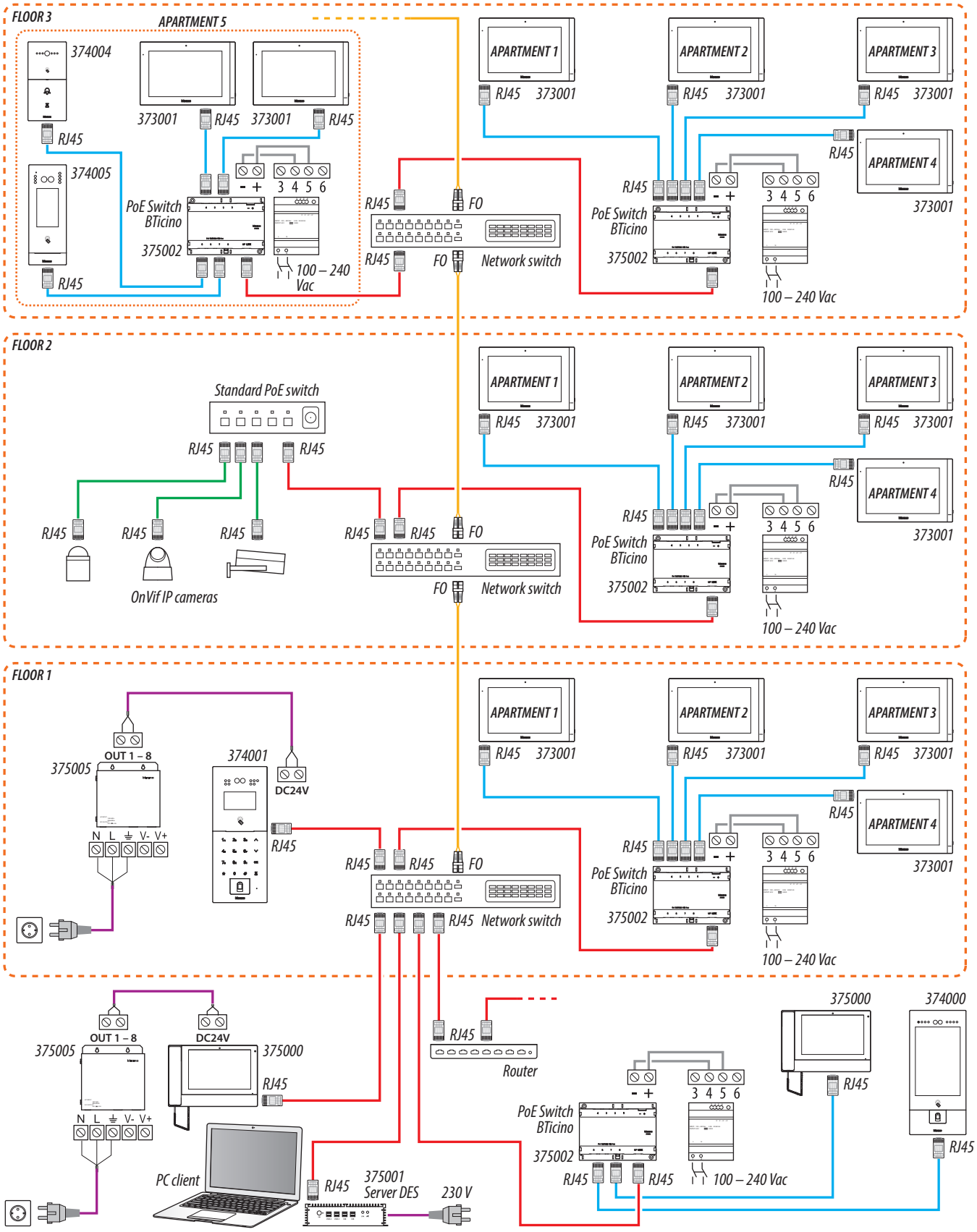
Fiber optic riser connection (case of higher bandwidth demand)

CABLES LEGEND	LAN PoE Standard	LAN PoE BTicino	LAN Ethernet	Optical fiber	Copper cables	2 x Copper cables



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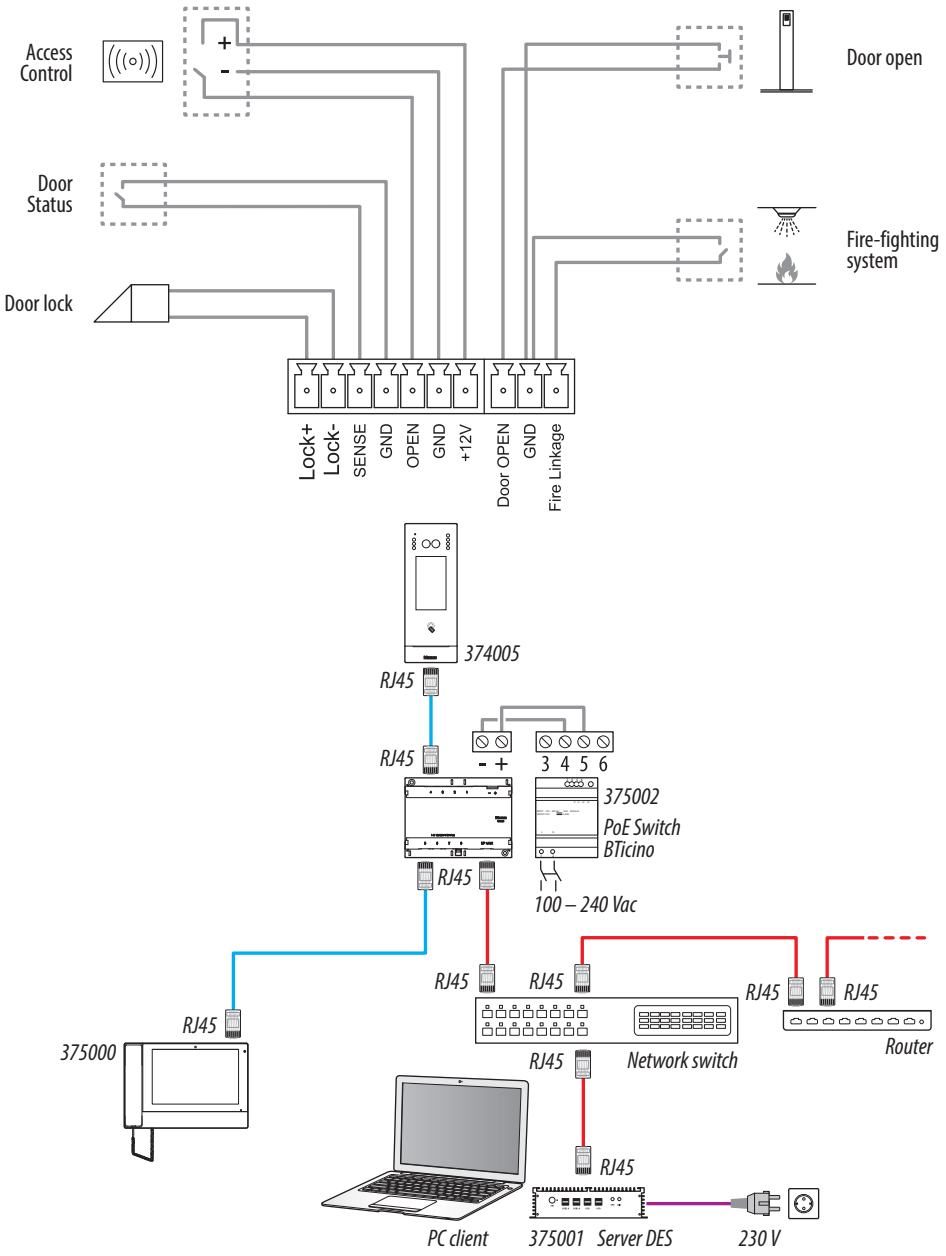
Available functions

CABLES LEGEND	LAN PoE BTicino	LAN Ethernet	Copper cables	2 x Copper cables



Attention: do not directly connect PoE ports to an unsuitable network interface, such as a device powered by a different voltage. Connect the UP LINK port to a suitable port, never to a PoE port.
Note: to connect the devices it is possible to use both types of wiring (diagram A or diagram B) or even mixed ones.

Main functions

From the Home Page of the device, by scrolling on the screen, it is possible to access the main functions, as described below:

Call an IU Function

In this section it is possible to manage the calls to an IU.
Depending on how the community has been configured using the DES Server software, calls can be made in different ways:
If the device has been positioned in the structure at Apartment level, when the Guest call key is pressed, the call is directly sent to the IU.
If the device has been positioned at a higher level (e.g. building, riser, etc.), the IU can be called in different ways:
- Call using the system address
- Call using the Alias (alphanumeric code)
- Call using the Phonebook

When the IU does not answer a message can be recorded.

Call a GS Function

This function allows to call the reference guard station.

Access Function

It is possible to access the building in different ways:
- by entering a code, using the Access using Code function on the Home Page
- using a configured badge or card
- through face recognition.

Access using Face recognition Function

Using this function, the EP cameras will recognise the face and it will be possible to enter the building automatically without entering a code. It is possible to enable the automatic activation of face recognition, to ensure touch-less access. To use this function, the face must be saved in the system via Server DES software.

Answering machine Function

Using this function, it is possible to leave a photo with own audio message if the IU does not answer after 30 seconds. This function must be active.

Messages Function

This function displays messages sent to entrance panels using the DES Server Software.