

**IP DES - Video entrance panel with 4.3" display and keypad**

374003

**Description**

Video entrance panel with 4.3" display, keypad with numbers and letters (A-I) and badge reader for access control functions.

Using the keypad, 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)

- Resident's alphanumeric code

Enter the settings menu with a specific code for maintenance and for managing the settings (e.g. backlight brightness, ring volume, speaker volume, touch volume, screen saver time). Possibility to upload customized screensavers and advertisements using the configuration software.

The entrance panel can be PoE (power over Ethernet) powered, or directly powered using power supply 375005. Flush mounted installation using the dedicated box 375006.

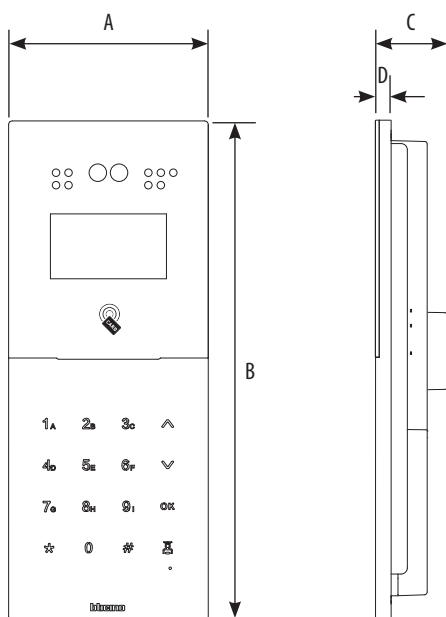
**Related items**

375006 Metal box for flush-mounting installation

**Technical data**

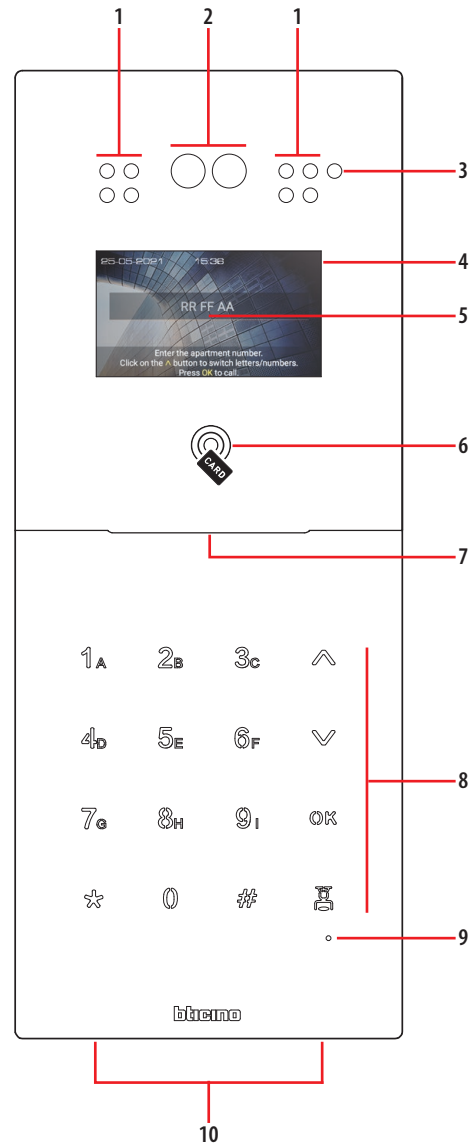
Voltage:	24 Vdc
Maximum consumption:	0.65 A
C NC NO contact output:	125 Vac/0.5A, 30Vdc/2A
Max. cable section for clamps:	0.8 mm <sup>2</sup>
Operating temperature:	(- 40) – (+ 70) °C
IP degree of protection:	54
IK degree of protection:	07
Camera resolution:	1080 p
Camera viewing field angle:	H= 80°; V= 53°
Badge reader Frequency:	13.56 MHz
Badge reader transmission power:	< 42 dBuA/m @ 10m

**Dimensional data**



A	B	C	D
160 mm	400 mm	58 mm	12 mm

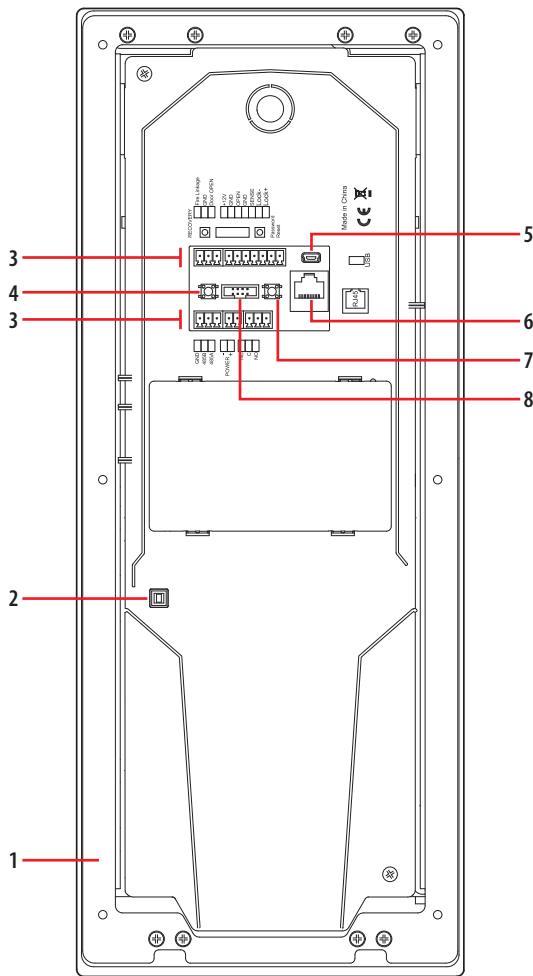
Front view



**Legend**

1. LED for the shooting field lighting
2. Camera
3. Light sensor
4. Display 4,3"
5. Home Page
6. Badge reader for door lock opening
7. Loudspeaker
8. Backlit keyboard
9. Microphone
10. Locking screws

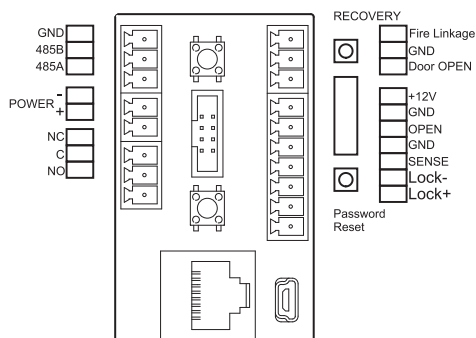
Rear view



**Legend**

- 1. Mounting bracket
- 2. Tamper switch
- 3. Connection clamp
- 4. Not used
- 5. USB Connector (not used)
- 6. RJ45 Connector (\*)
- 7. Reset setting password and local access code
- 8. 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. The wrong wiring of the Ethernet cable connecting the device to the Poe Switch 375002 could damage the device itself. The RJ45 cable must be at least 200 mm long



**Connection clamps**

GND	Lift Control	system common ground terminal for RS485 connection
RS485B		terminal A
RS485A		terminal B
-		additional power supply clamps
+		
NC		
C		interlocked contact
NO		
FIRE Linkage – GND		local door lock release pushbutton connection for firealarm system
Door OPEN – GND		local door lock release pushbutton connection
+12V – GND OPEN		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
SENSE		door status signal input (dry contact)
LOCK+		electric door lock connection and control (12V - 4A impulsive on 30 Ohm maximum)
LOCK-		

**Configuration**

To use the device, it is necessary to configure it and create the Community structure using the IP DES System 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 Community customisation
- Step 06 Saving of passwords
- Step 07 Registration of the Community on the installer's Cloud
- Step 08 Forwarding of the address book to the DES Server
- Step 09 Installation of the devices
- Step 10 Activation of the devices
- Step 11 System test

For further information, please refer to the IP DES System Software Manual and Small video entrance panel manual, available for download from [www.homesystems-legrandgroup.com](http://www.homesystems-legrandgroup.com) website

**Wiring diagrams**

CABLES LEGEND

LAN PoE BTicino —

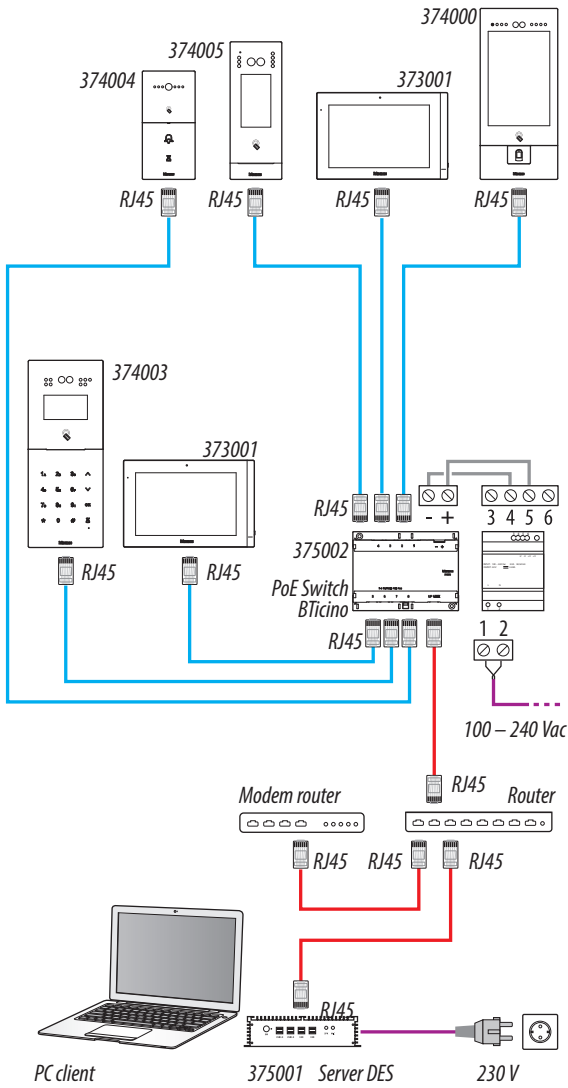
LAN Ethernet —

Copper cables —

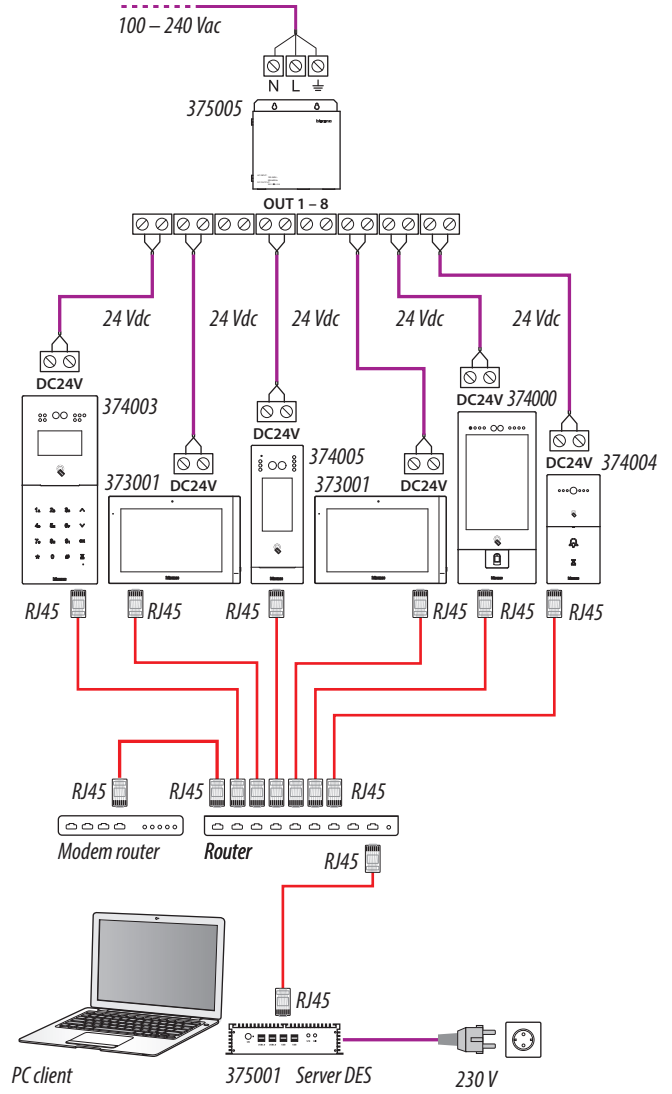
2 x Copper cables —

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.

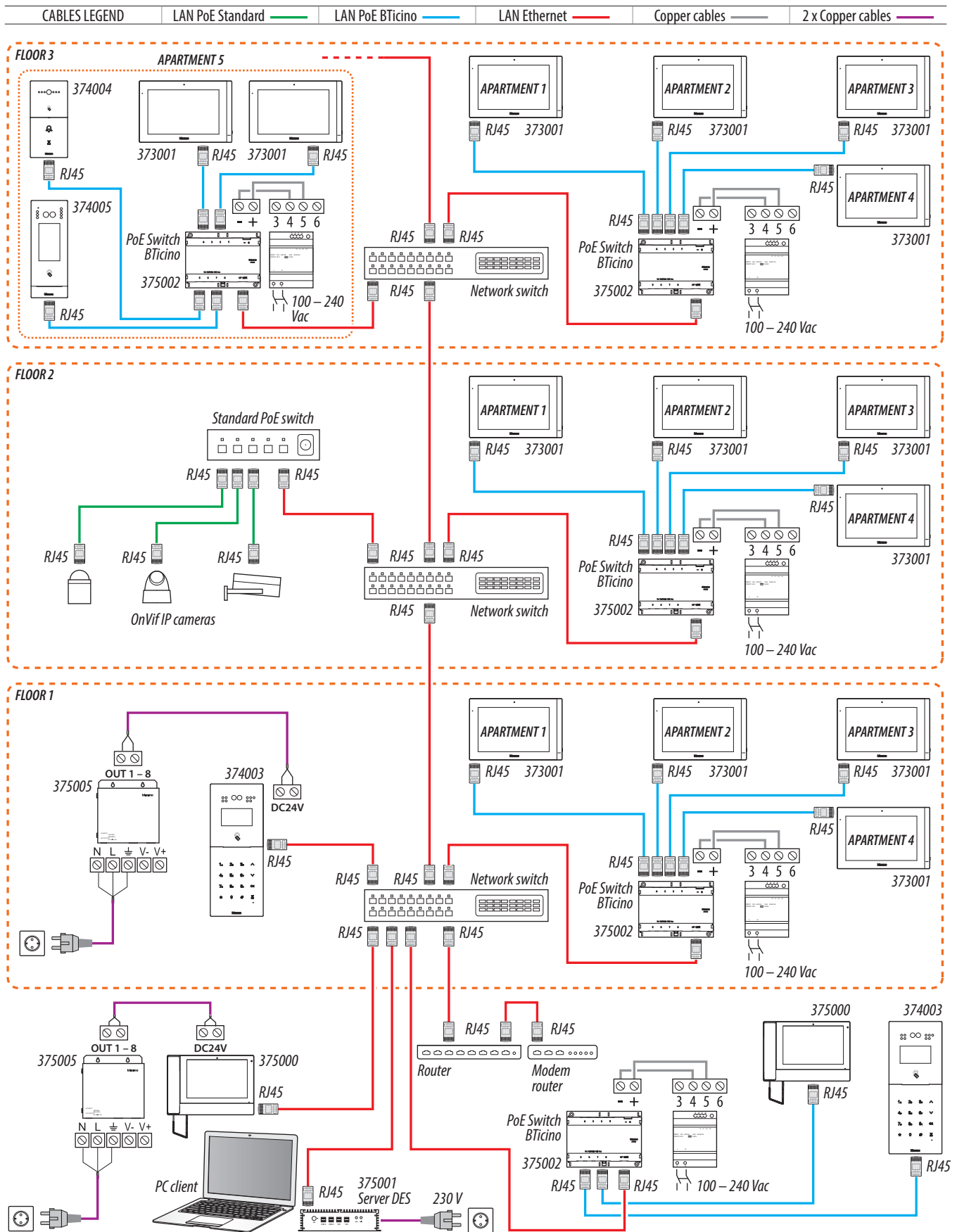
**Note:** To connect the devices it is possible to use both types of wiring (diagram A or diagram B) or even mixed ones.

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

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## Ethernet connection

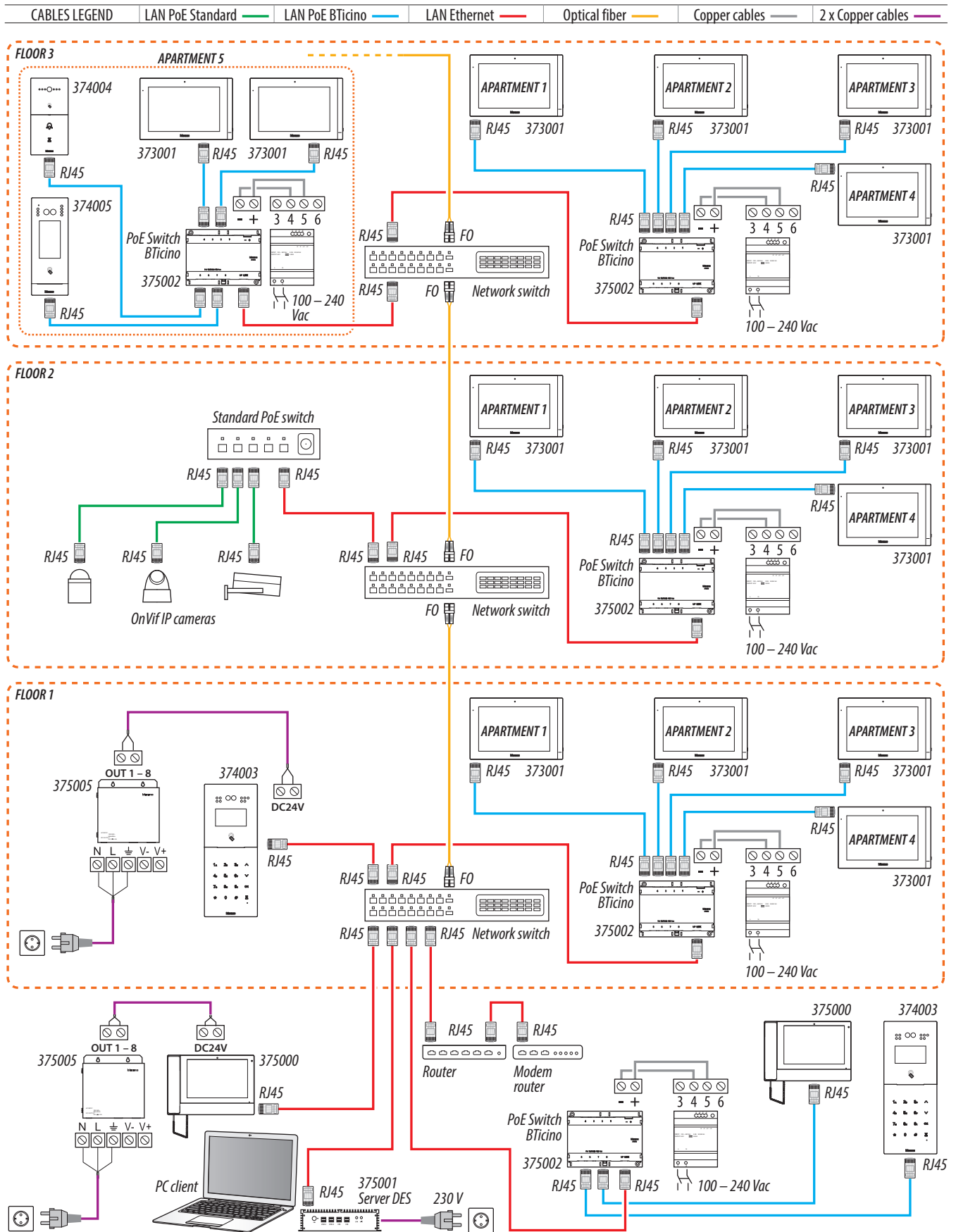


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## Fiber optic riser connection (case of higher bandwidth demand)

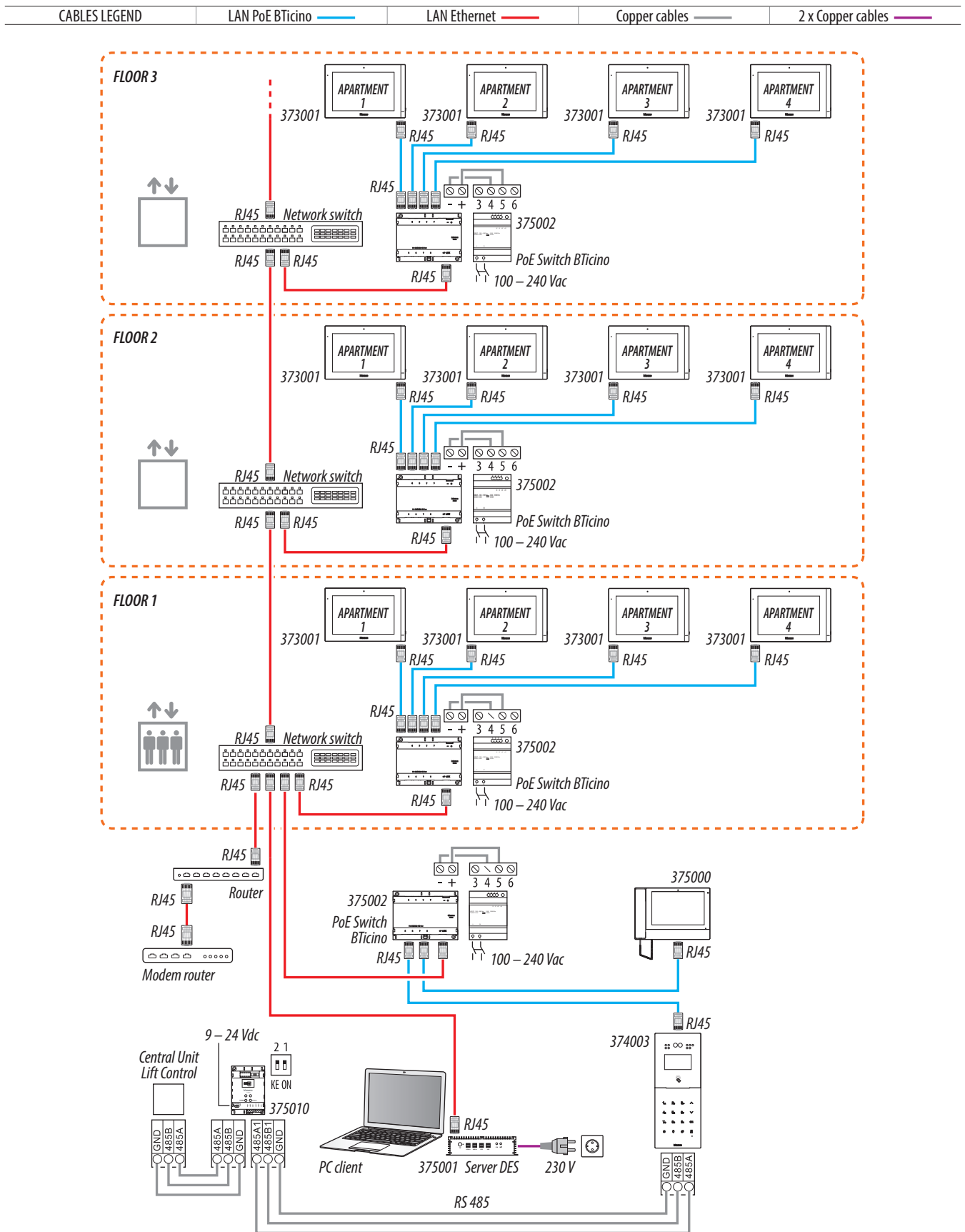


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Lift control 1 - Lift control, 1 riser, 1 entrance panel

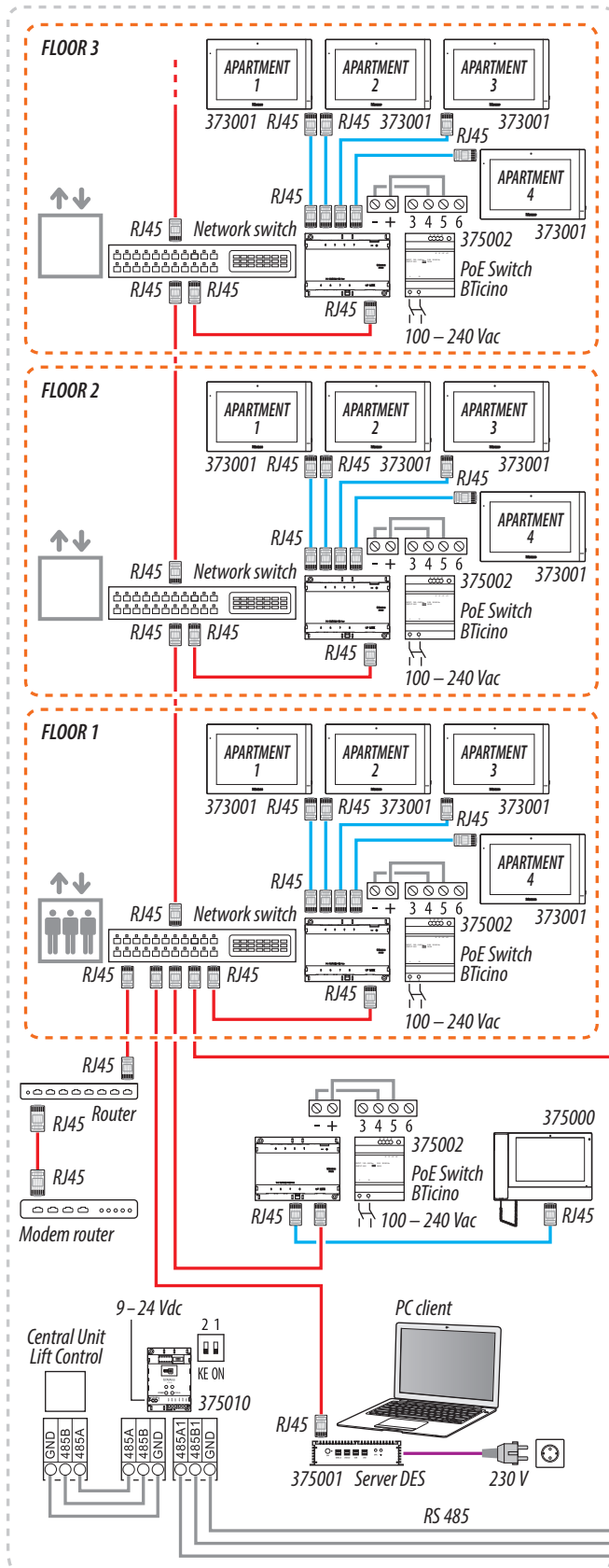


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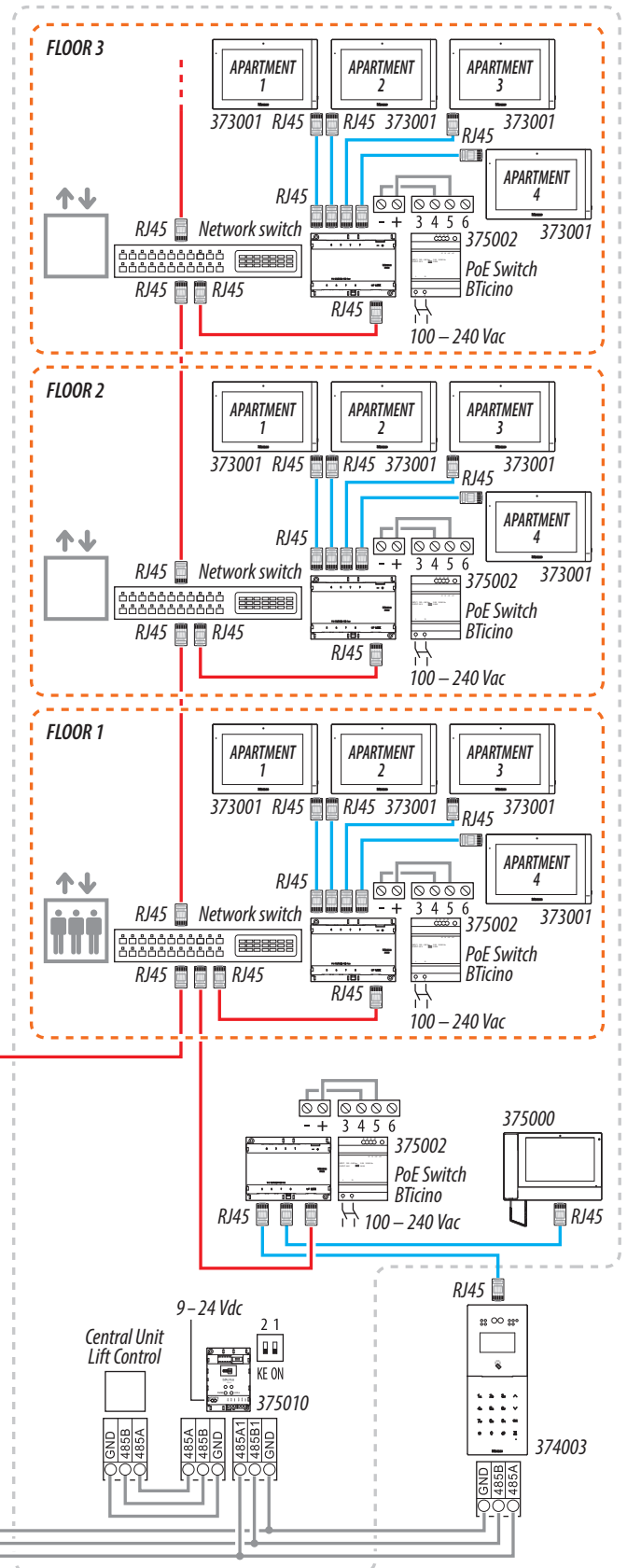
## Lift control 2 - Lift control, multi riser, 1 entrance panel

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

### RISER 1



### RISER 2



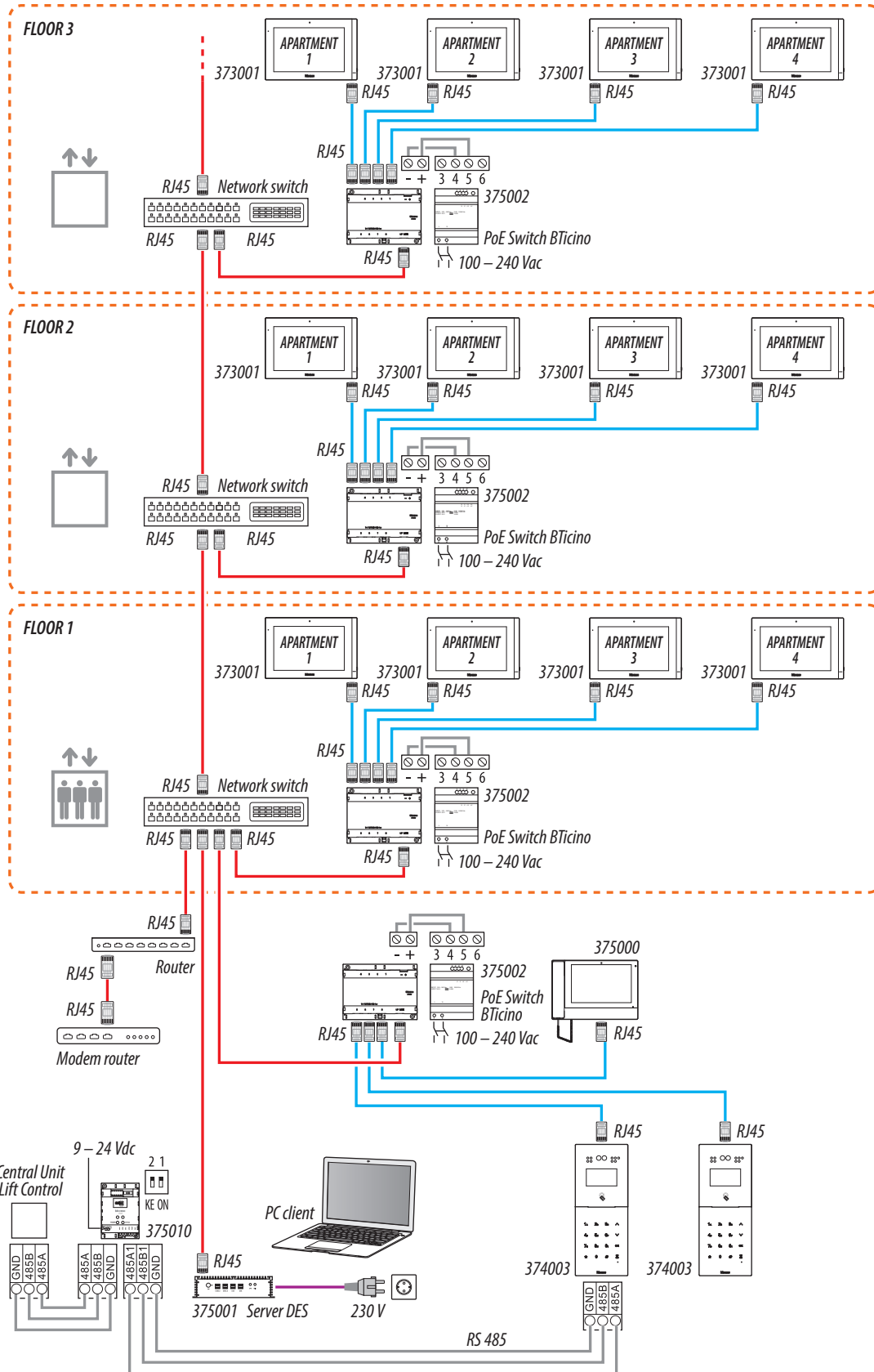
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## Lift control 3 - Lift control, 1 riser, multi entrance panel

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

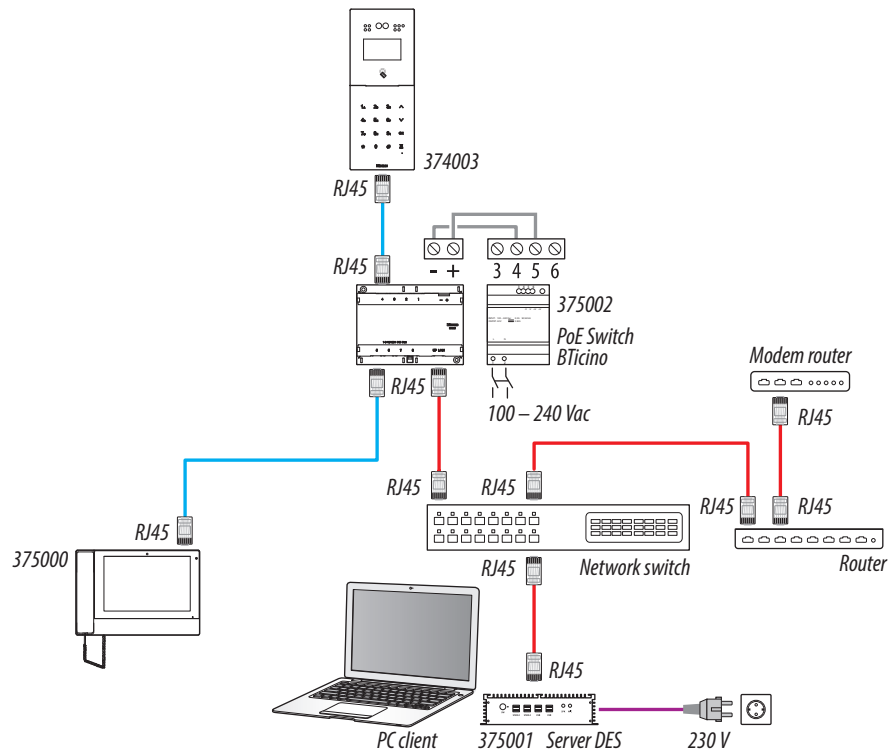
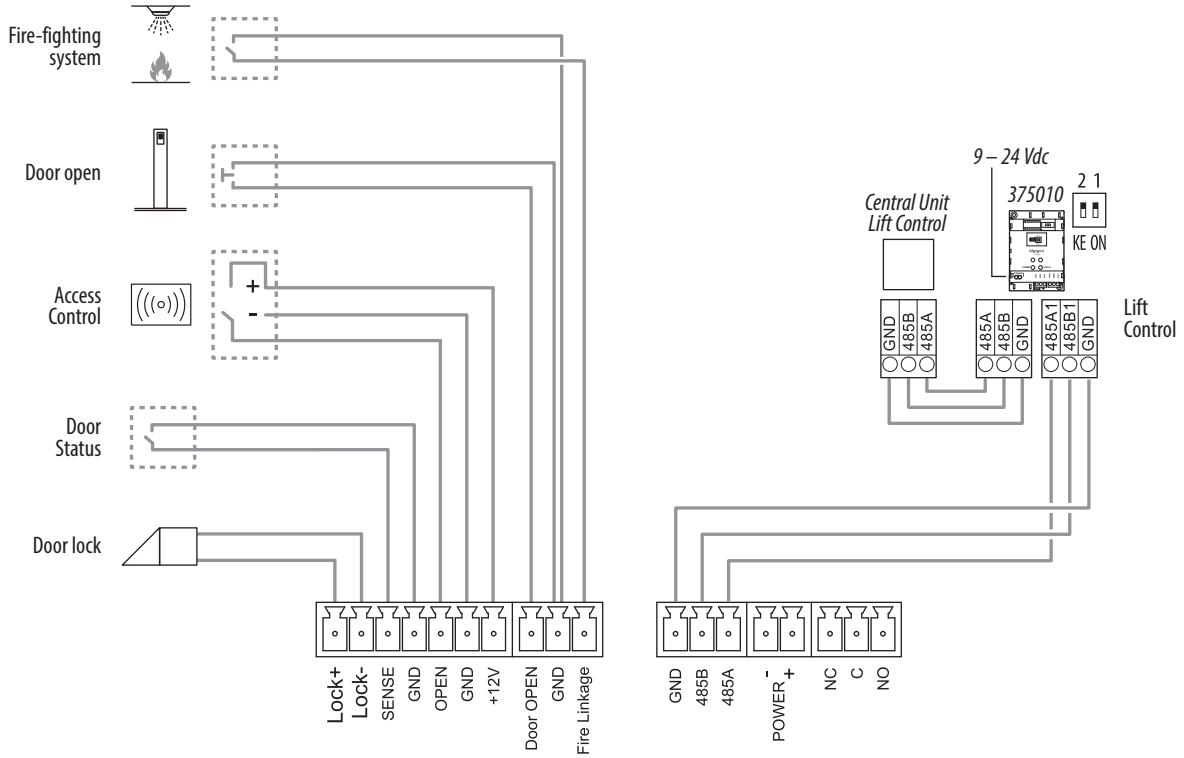


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Available functions

CABLES LEGEND	LAN PoE BTicino <span style="color: blue;">—</span>	LAN Ethernet <span style="color: red;">—</span>	Copper cables <span style="color: grey;">—</span>	2 x Copper cables <span style="color: purple;">—</span>
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## Main functions

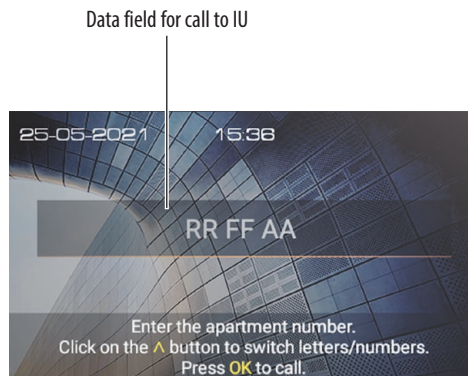
### Call an IU Function

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 two ways:

- Call using the system address
- Call using the Alias (alphanumeric code)

In both cases, the data required to make the call must be entered in the appropriate field on the Home Page:



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:

- using # + code
- using a configured badge or card.

### 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

When the screensaver is enabled, this function displays messages sent to entrance panels using the DES Server software.