www.bticino.com

IP DES - Guard station

375000

### Description

Guard station with 10" touch display and handset. From the touch display, it is possible to: answer and forward calls, view call logs, release the locks, monitor IP cameras installed in common areas, monitor and process alarms. From the setting menu, it is possible to adjust the guard station settings, like volume and display brightness, and carry out functionality and network tests. Quick and Scheduled absence can be activated to transfer the call to another guard station or to apartments if needed. The guard station can be PoE (power over Ethernet) or directly powered with power supply 375005.
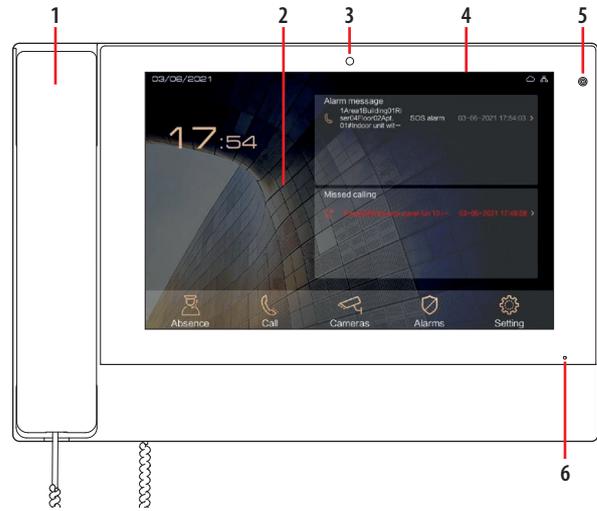
Technical data

Voltage:	24 Vdc
Maximum consumption:	0.45 A
Max. cable section:	1.3 mm^2
Operating temperature:	(- 10) – (+ 55) °C
IP degree of protection:	IP30
Maximum relative humidity:	93%

Dimensional data
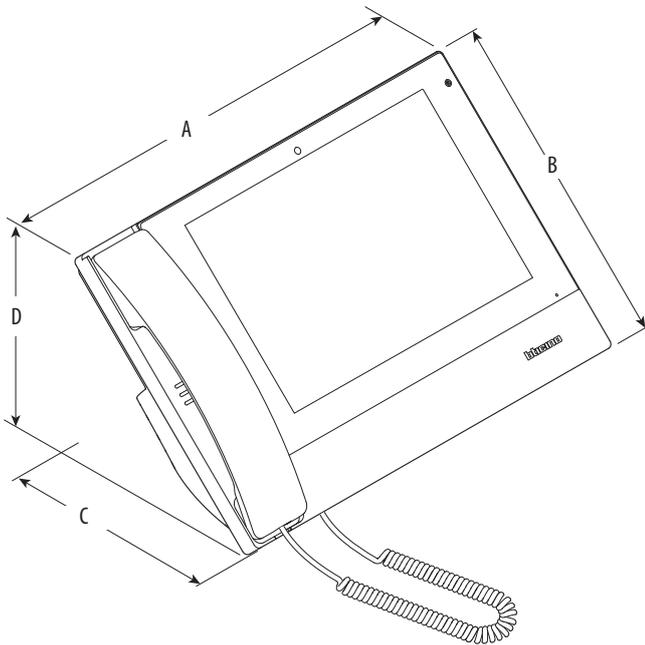
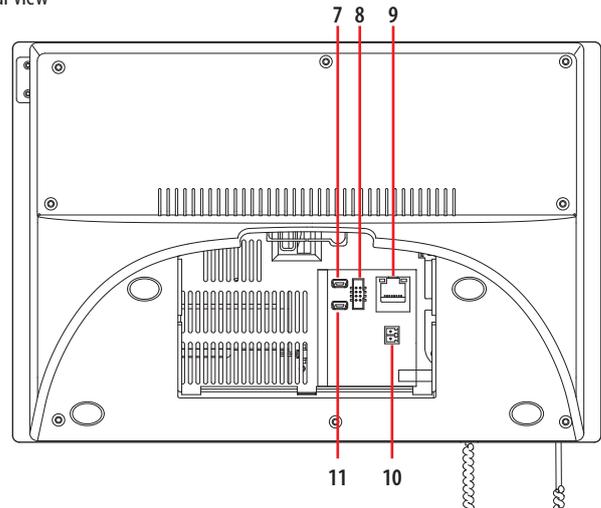| A	B	C	D
308 mm	211 mm	170 mm	165 mm

Front view

Rear view

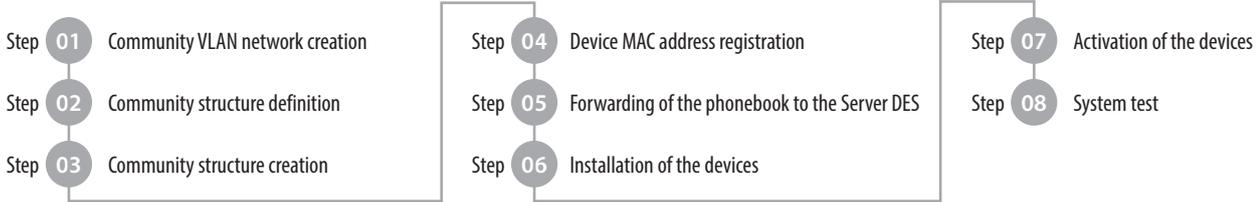### Legend

1. Handset
2. Home Page
3. Camera
4. Display 10" (touch screen)
5. Microphone
6. Notification LED
   Red led: alarm not processed
   Blue led: missed call
   Purple LED: unprocessed alarm + missed call
7. USB 1 connector (not used)
8. Not used
9. RJ45 (*) connector
10. Additional power supply clamps (not polarized)
11. USB 2 connector (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.

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

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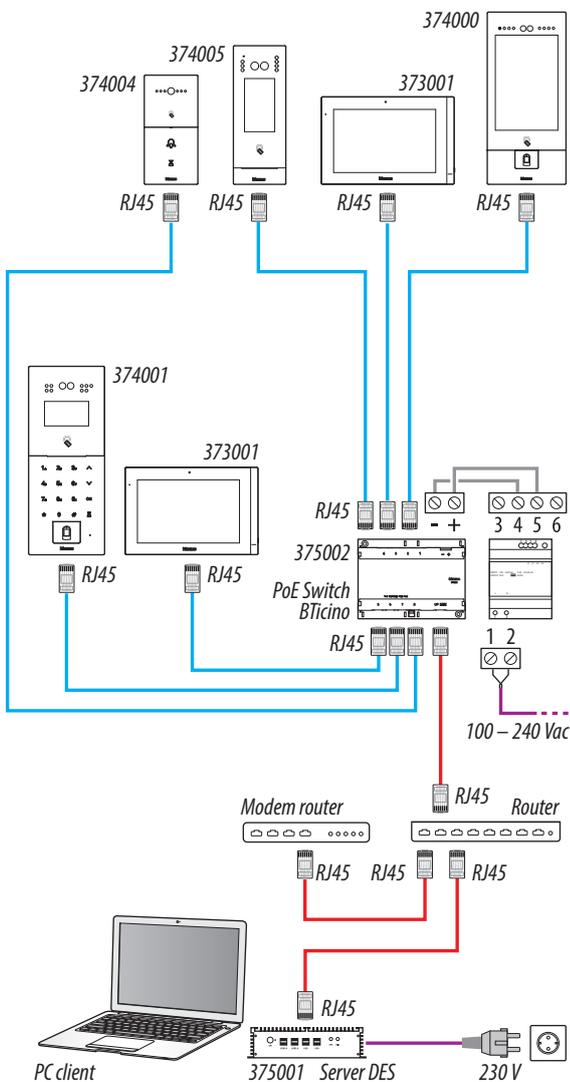
B - Diagram with local power supply
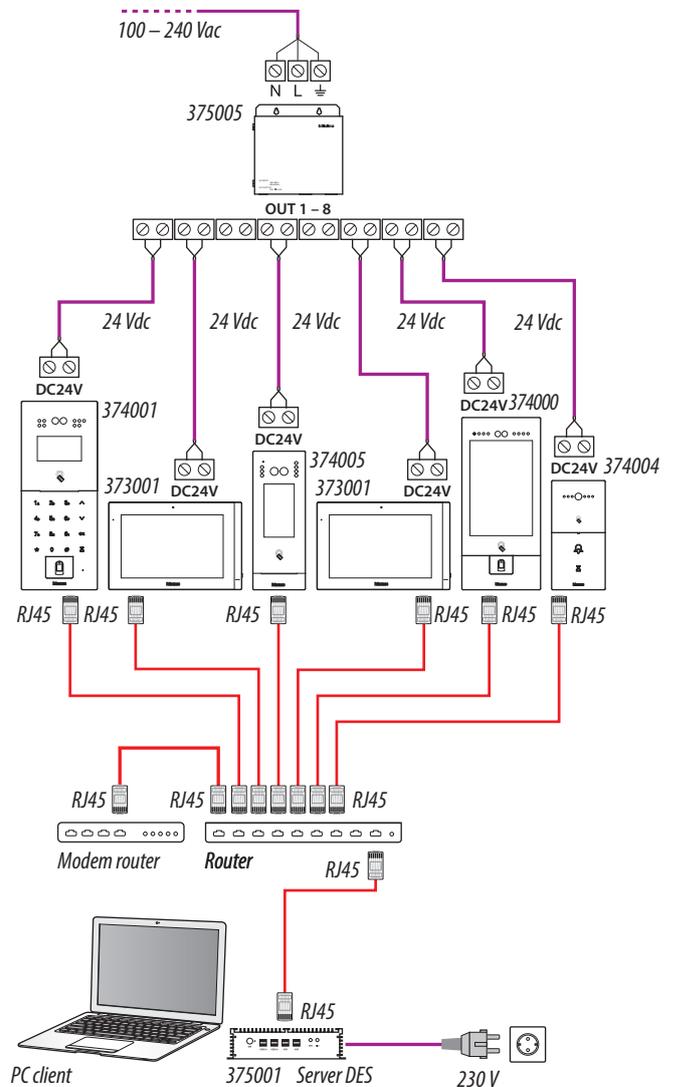
Attention: this device does not support standard POE power supplies, but only POE power supplies identified with 375002. Connect the cat5/5e/6 FTP or cat5/5e/6 UTP cable with ferrite supplied to the connector.

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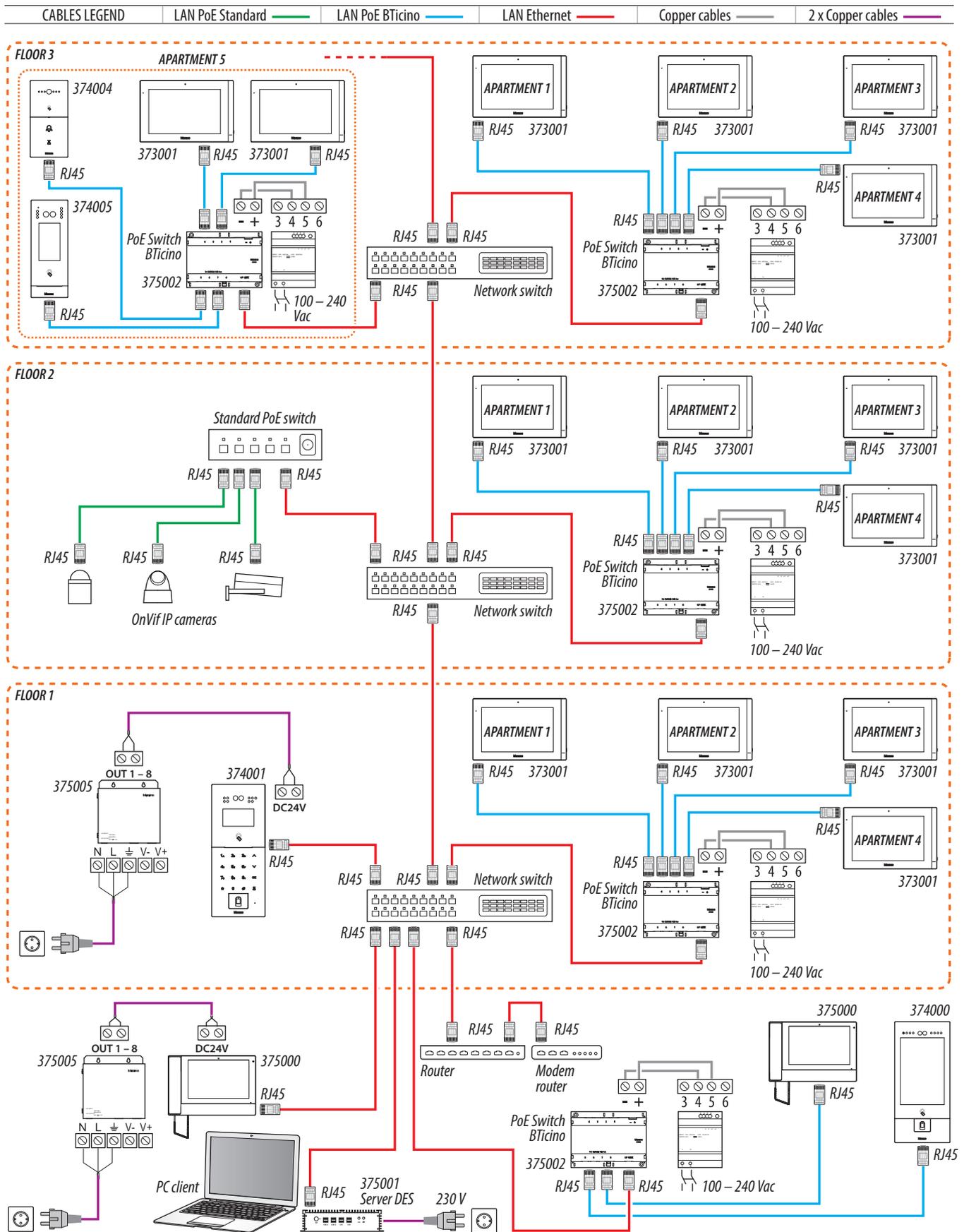
| CABLES LEGEND | LAN PoE Standard ▬▬ | LAN PoE BTicino ▬▬ | LAN Ethernet ▬▬ | Copper cables ▬▬ | 2 x Copper cables ▬▬ |

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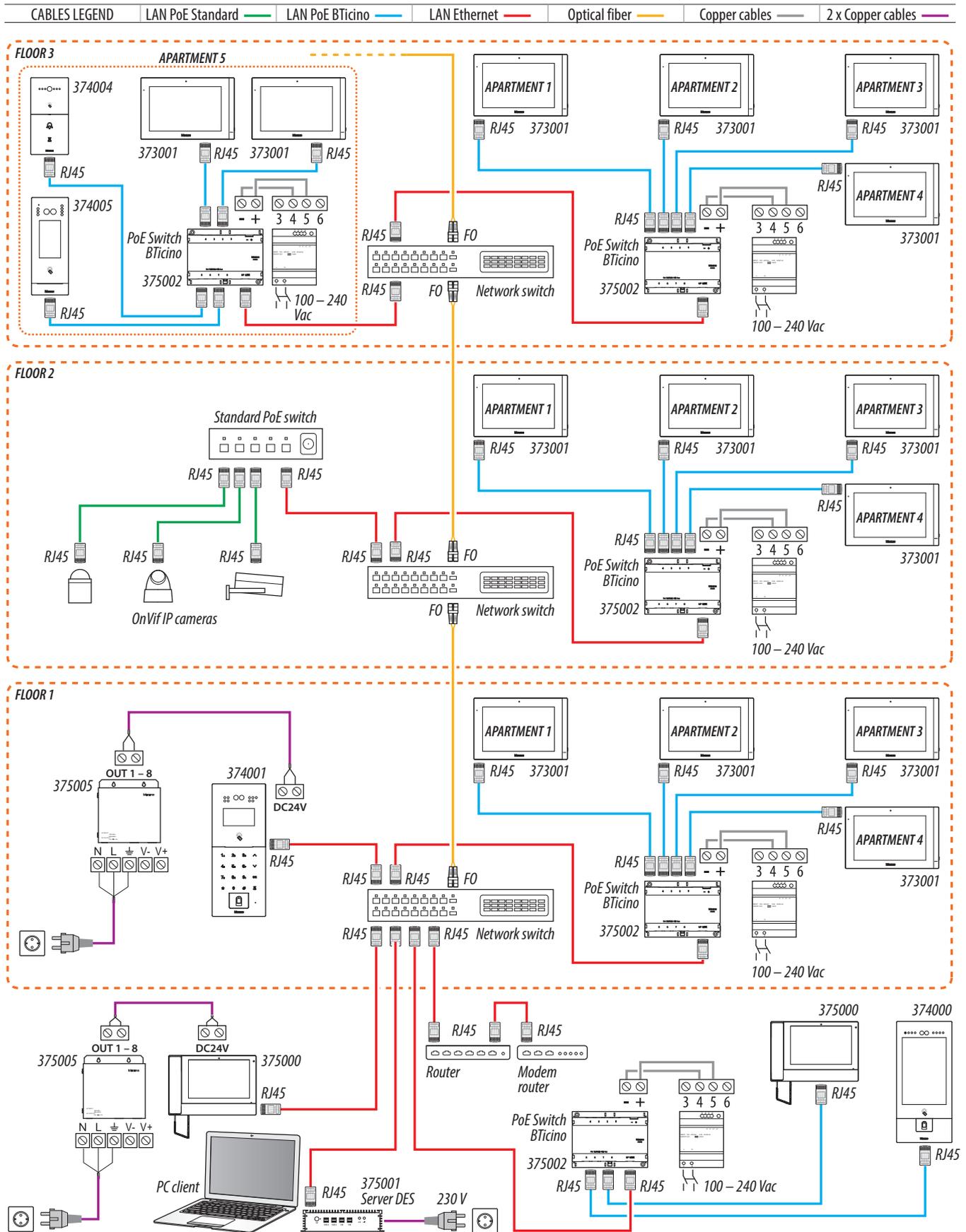**Note:** to connect the devices it is possible to use both types of wiring (diagram A or diagram B) or even mixed ones.

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 —— |

FLOOR 3　　　*APARTMENT 5*

374004

373001　RJ45　373001　RJ45

374005

RJ45

PoE Switch BTicino

375002

RJ45　　　　－ ＋　　3 4 5 6

100 – 240 Vac

APARTMENT 1
RJ45　373001

APARTMENT 2
RJ45　373001

APARTMENT 3
RJ45　373001

RJ45
APARTMENT 4
373001

RJ45　FO
RJ45　FO　Network switch

RJ45
PoE Switch BTicino
375002
－ ＋　3 4 5 6

100 – 240 Vac

FLOOR 2

Standard PoE switch

RJ45　RJ45

RJ45　RJ45　RJ45

OnVif IP cameras

RJ45　RJ45　FO
FO　Network switch

APARTMENT 1
RJ45　373001

APARTMENT 2
RJ45　373001

APARTMENT 3
RJ45　373001

RJ45
APARTMENT 4
373001

RJ45
PoE Switch BTicino
375002
－ ＋　3 4 5 6

100 – 240 Vac

FLOOR 1

OUT 1 – 8
375005

374001
DC24V
RJ45

N　L　⏚　V-　V+

APARTMENT 1
RJ45　373001

APARTMENT 2
RJ45　373001

APARTMENT 3
RJ45　373001

RJ45
APARTMENT 4
373001

RJ45　RJ45　FO
RJ45　RJ45　Network switch

RJ45
PoE Switch BTicino
375002
－ ＋　3 4 5 6

100 – 240 Vac

OUT 1 – 8　DC24V
375005　　375000
RJ45

N　L　⏚　V-　V+

PC client

RJ45　375001　230 V
Server DES

RJ45　RJ45
Router　Modem router

375000　374000

RJ45

RJ45

PoE Switch BTicino
375002
－ ＋　3 4 5 6
RJ45　RJ45　RJ45　100 – 240 Vac

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.
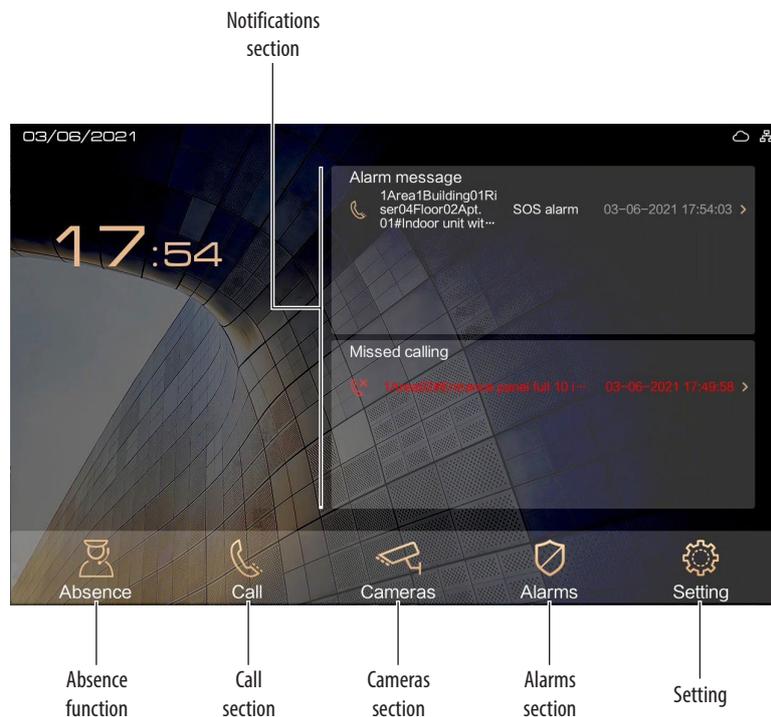
bticino　　　　　ST-00001101-EN　　　29/07/2022

Main functions

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

Absence function

This section can be used to set the transfer of incoming calls to another GS or to the called IU.
The transfer can be enabled momentarily or by programming the absence.

Call section

In this section it is possible to communicate with other IU or other GS.
Depending on how the community has been configured using the DES Server software, calls can be made in different ways:
- Call using the system address
- Call using the Alias (alphanumeric code)
- Call using the Phonebook.

Cameras section

In this section it is possible to view the EPs and the IP public cameras of the Community.
It is also possible to view the monitoring log.

Alarms section

In this section it is possible to manage alarms from IUs and EPs under responsibility.
The alarms coming from the IU can be of different types, depending on the sensors connected to the device: SOS, Infrared, Activity check, Smoke, Door contact, Active, Gas and Others.
Alarms from EPs can be of two types: Tamper alarm and Panic alarm
Alarm management allows the operator to view the alarm, take charge of it and manage it.
It is also possible to view the alarm history, with the various stages of management highlighted.

Integrated camera

The integrated camera allow to perform video call between apartments and other guard station.