www.bticino.com

IP DES - Lift control interface

Description

Lift control interface with protocol translator to integrate lift function in IP door entry system. The configuration is made using a dedicate software, the interface is connected via RS 485 cable to the entrance panel and the lift.

Related items

374000   IP DES - Video entrance panel with 10" touch display with face recognition and finger print
374001   IP DES - Video entrance panel with 4.3" display and keypad with face recognition and fingerprint
374002   IP DES - Video entrance panel with 10" touch display
374003   IP DES - Video entrance panel with 4.3" display and keypad
374005* IP DES - Small video entrance panel with 4.3" touch display

*Can be used only in network mode with a master entrance panel connected to lift control interface via RS485.

Technical data

Voltage:	9 - 24 Vdc
Maximum consumption:	0.015 A (24V)

Dimensional data
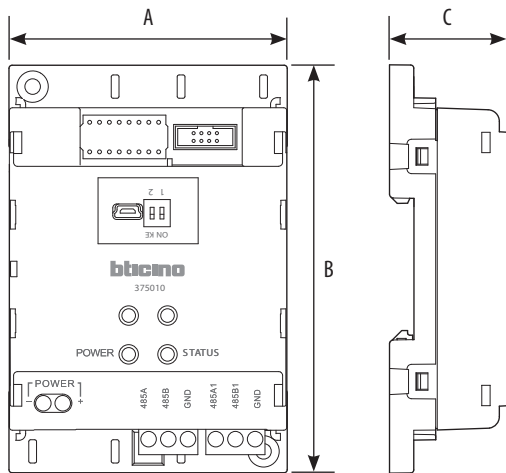
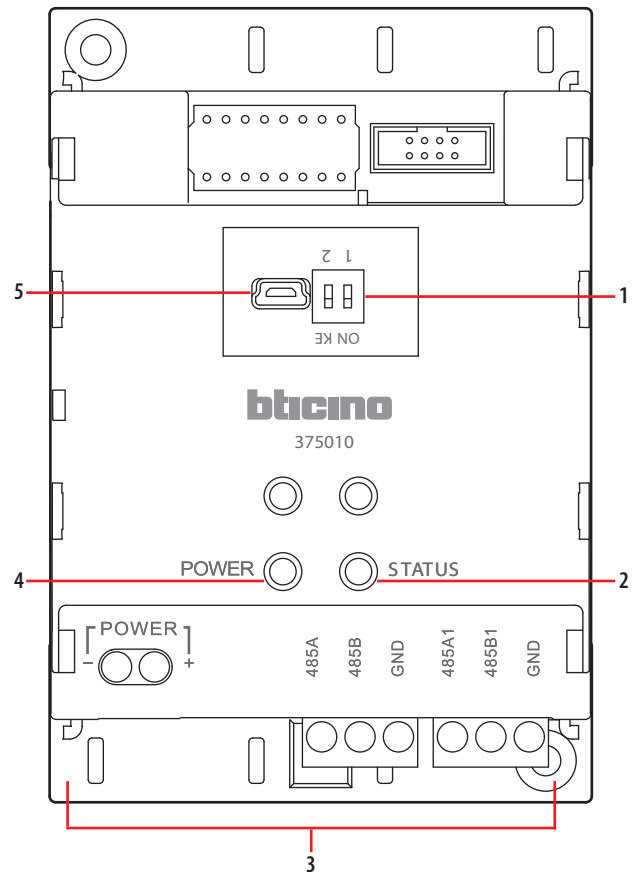| A	B	C
72 mm	105 mm	33 mm

Configuration

The device must be configured by BTicino Lift Configuration software. For software download, installation device documentation and for any other information, refer to the website.

www.homesystems-legrandgroup.com

Front view

Legend

1. Line termination micro-switches
   1-2 = disconnected
   ON-KE = connected
2. Status notification LED:
   Slow flashing = stand-by
   Quick flashing = communication
3. Connection clamp
4. Power supply LED
5. USB Connector (Configuration and Update)

Connection clamp

-		power supply
+		

485A	Control Unit Lift	terminal A
485B		terminal B
GND		system common ground terminal for RS485 connection

485A1	Entrance panel	terminal A
485B1		terminal B
GND		system common ground terminal for RS485 connection

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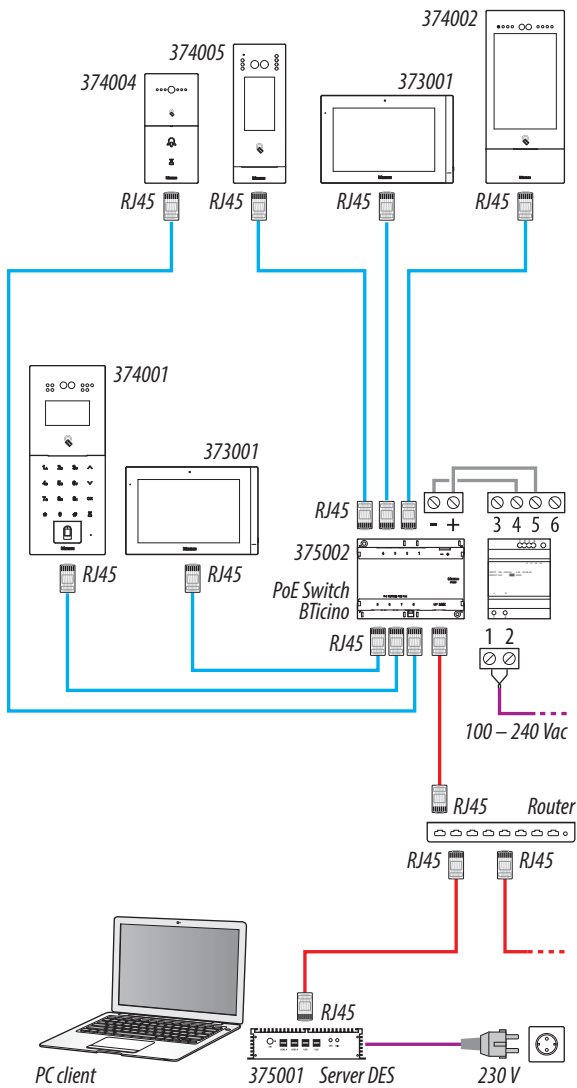
B - Diagram with local power supply
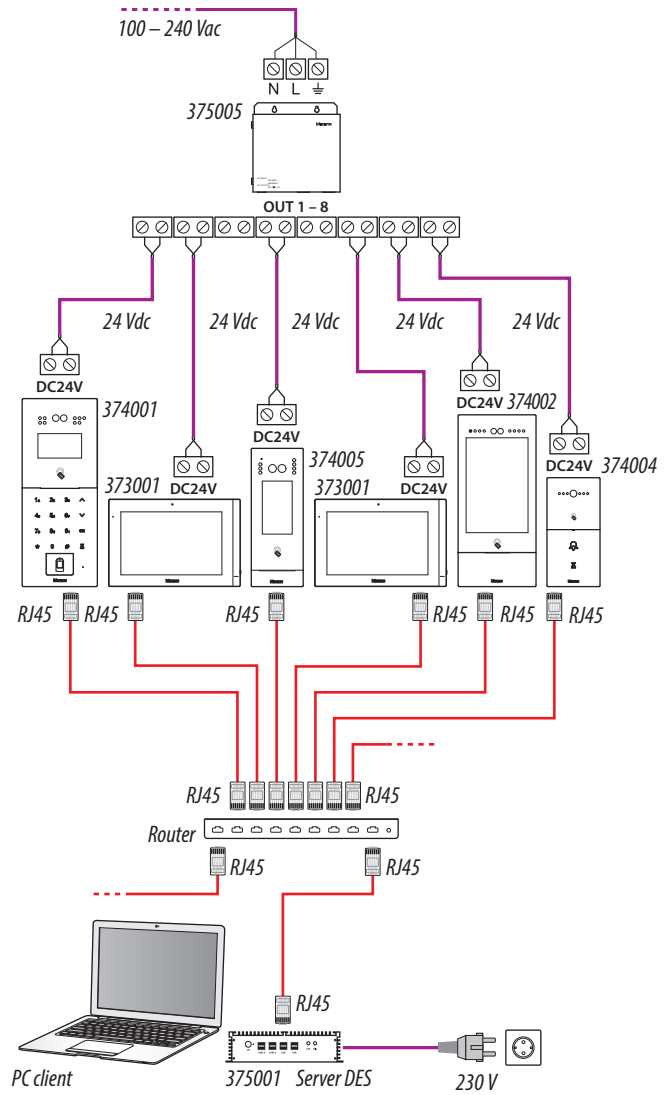
Attention: this device does not support standard POE power supplies, but only POE power supplies identified with 375002. Connect the cat5/5e/6 FTP or cat5/5e/6 UTP cable with ferrite supplied to the connector.

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.

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

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

FLOOR 3

APARTMENT 1 — 373001 — RJ45
APARTMENT 2 — 373001 — RJ45
APARTMENT 3 — 373001 — RJ45
APARTMENT 4 — 373001 — RJ45

RJ45 — Network switch
RJ45 — RJ45
RJ45
375002
PoE Switch BTicino
100 – 240 Vac

FLOOR 2

APARTMENT 1 — 373001 — RJ45
APARTMENT 2 — 373001 — RJ45
APARTMENT 3 — 373001 — RJ45
APARTMENT 4 — 373001 — RJ45

RJ45 — Network switch
RJ45 — RJ45
RJ45
375002
PoE Switch BTicino
100 – 240 Vac

FLOOR 1

APARTMENT 1 — 373001 — RJ45
APARTMENT 2 — 373001 — RJ45
APARTMENT 3 — 373001 — RJ45
APARTMENT 4 — 373001 — RJ45

RJ45 — Network switch
RJ45 — RJ45
RJ45
375002
PoE Switch BTicino
100 – 240 Vac

RJ45 — Router

375002
PoE Switch BTicino
RJ45
100 – 240 Vac

375000 — RJ45

RJ45

9 – 24 Vdc

2 1
KE ON

Central Unit
Lift Control
375010

374002

GND 485B 485A | 485A 485B GND | 485A1 485B1 GND

PC client

375001   Server DES   230 V

GND 485B 485A

RS 485

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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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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

FLOOR 3

APARTMENT 1 · 373001 RJ45
APARTMENT 2 · RJ45 373001
APARTMENT 3 · 373001
RJ45

↑↓
RJ45 · Network switch
RJ45 · RJ45

RJ45
APARTMENT 4 · 373001
− + 3 4 5 6
375002
PoE Switch BTicino
RJ45
100 – 240 Vac

FLOOR 2

APARTMENT 1 · 373001 RJ45
APARTMENT 2 · RJ45 373001
APARTMENT 3 · 373001
RJ45

↑↓
RJ45 · Network switch
RJ45 · RJ45

RJ45
APARTMENT 4 · 373001
− + 3 4 5 6
375002
PoE Switch BTicino
RJ45
100 – 240 Vac

FLOOR 1

APARTMENT 1 · 373001 RJ45
APARTMENT 2 · RJ45 373001
APARTMENT 3 · 373001
RJ45

↑↓
RJ45 · Network switch
RJ45 · RJ45

RJ45
APARTMENT 4 · 373001
− + 3 4 5 6
375002
PoE Switch BTicino
RJ45
100 – 240 Vac

RISER 2

FLOOR 3

APARTMENT 1 · 373001 RJ45
APARTMENT 2 · RJ45 373001
APARTMENT 3 · 373001
RJ45

↑↓
RJ45 · Network switch
RJ45 · RJ45

RJ45
APARTMENT 4 · 373001
− + 3 4 5 6
375002
PoE Switch BTicino
RJ45
100 – 240 Vac

FLOOR 2

APARTMENT 1 · 373001 RJ45
APARTMENT 2 · RJ45 373001
APARTMENT 3 · 373001
RJ45

↑↓
RJ45 · Network switch
RJ45 · RJ45

RJ45
APARTMENT 4 · 373001
− + 3 4 5 6
375002
PoE Switch BTicino
RJ45
100 – 240 Vac

FLOOR 1

APARTMENT 1 · 373001 RJ45
APARTMENT 2 · RJ45 373001
APARTMENT 3 · 373001
RJ45

↑↓
RJ45 · Network switch
RJ45 · RJ45

RJ45
APARTMENT 4 · 373001
− + 3 4 5 6
375002
PoE Switch BTicino
RJ45
100 – 240 Vac

RJ45
Router

− + 3 4 5 6
375002
PoE Switch BTicino
375000
RJ45
RJ45
100 – 240 Vac

− + 3 4 5 6
375002
PoE Switch BTicino
375000
RJ45
RJ45
100 – 240 Vac

RJ45

Central Unit Lift Control
9 – 24 Vdc
2 1
KE ON
375010
GND 485B 485A 485A 485B GND 485A1 485B1 GND

PC client
RJ45
375001 Server DES 230 V

RS 485

Central Unit Lift Control
9 – 24 Vdc
2 1
KE ON
375010
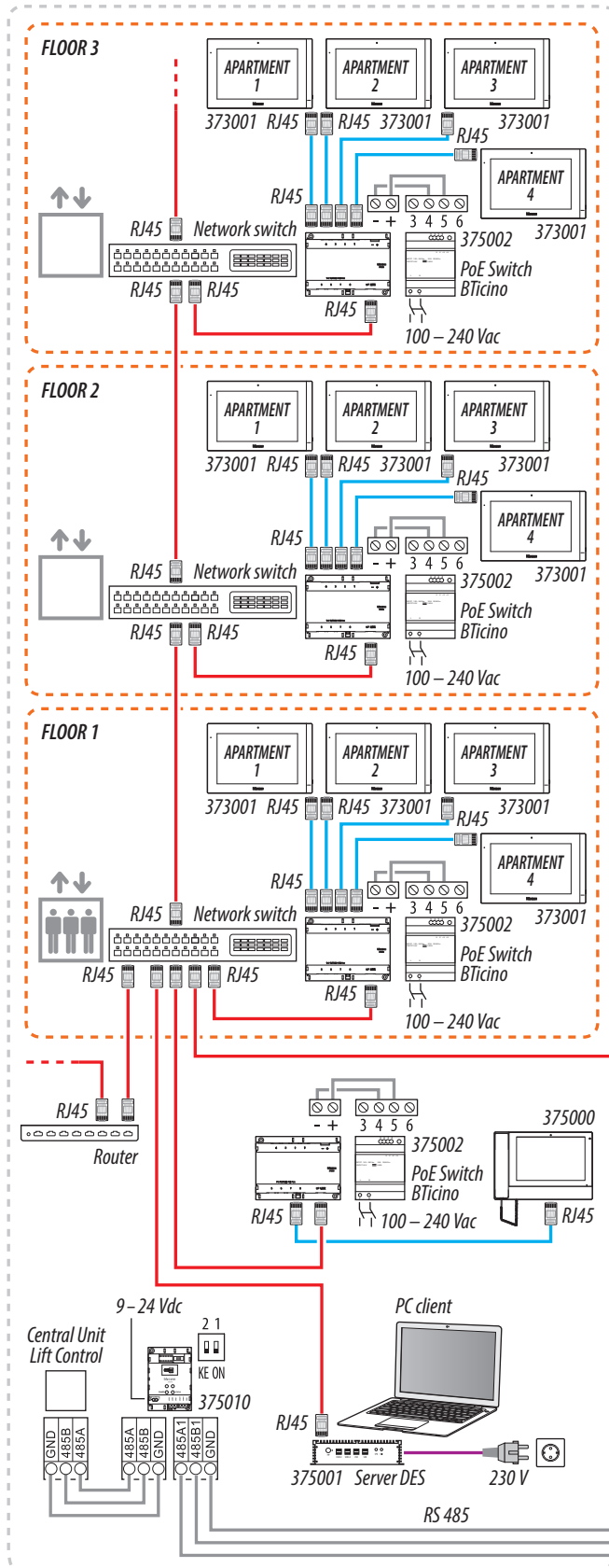GND 485B 485A 485A 485B GND 485A1 485B1 GND

374002
GND 485B 485A

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Note: to connect the devices it is possible to use both types of wiring (diagram A or diagram B) or even mixed ones.
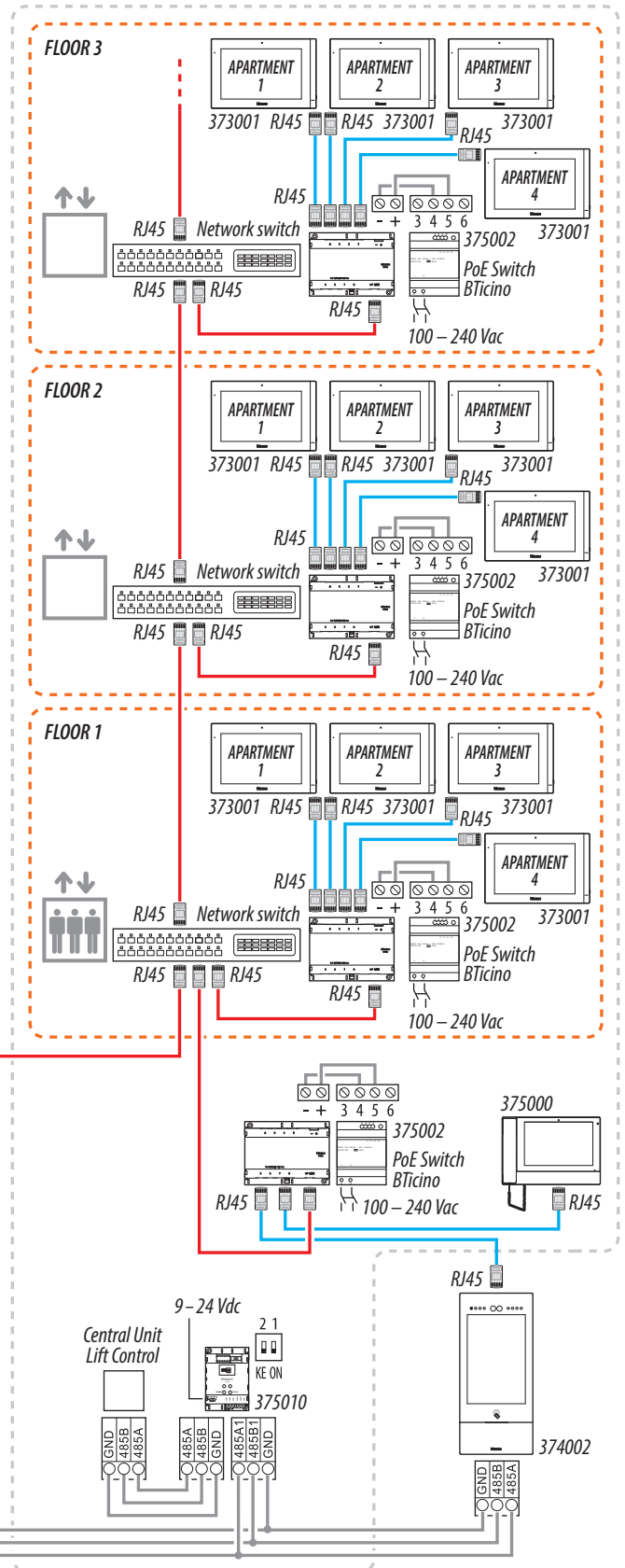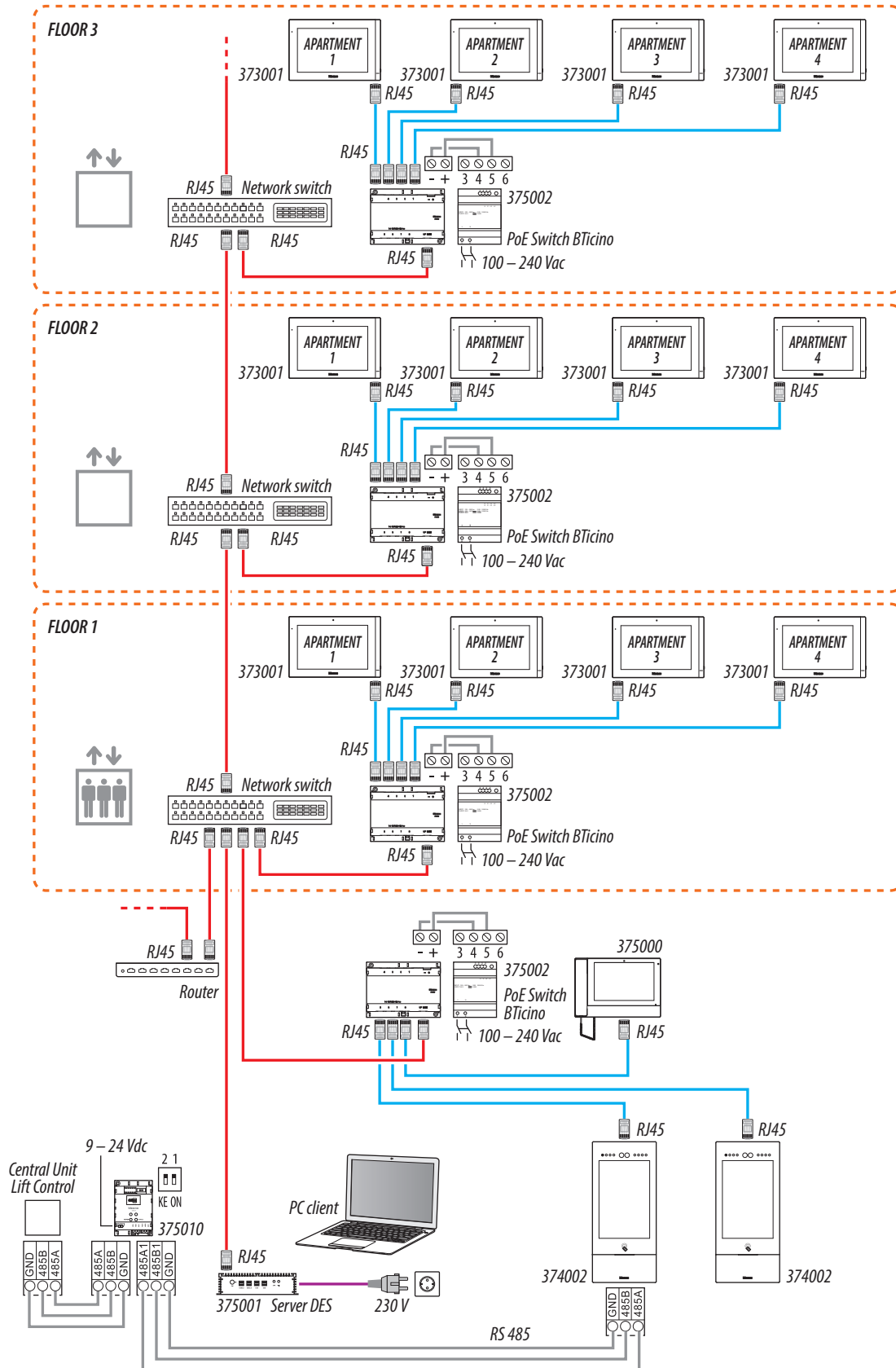
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Lift control 3 - Lift control, 1 riser, multi entrance panel

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

FLOOR 3

APARTMENT 1 — 373001 — RJ45
APARTMENT 2 — 373001 — RJ45
APARTMENT 3 — 373001 — RJ45
APARTMENT 4 — 373001 — RJ45

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

FLOOR 2

APARTMENT 1 — 373001 — RJ45
APARTMENT 2 — 373001 — RJ45
APARTMENT 3 — 373001 — RJ45
APARTMENT 4 — 373001 — RJ45

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

FLOOR 1

APARTMENT 1 — 373001 — RJ45
APARTMENT 2 — 373001 — RJ45
APARTMENT 3 — 373001 — RJ45
APARTMENT 4 — 373001 — RJ45

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

RJ45
Router

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

375000
RJ45

RJ45   RJ45

Central Unit
Lift Control

9 – 24 Vdc

2 1
KE ON
375010

GND 485B 485A   485A 485B GND   485A1 485B1 GND

PC client

RJ45
375001   Server DES   230 V

374002   374002

GND 485B 485A

RS 485

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