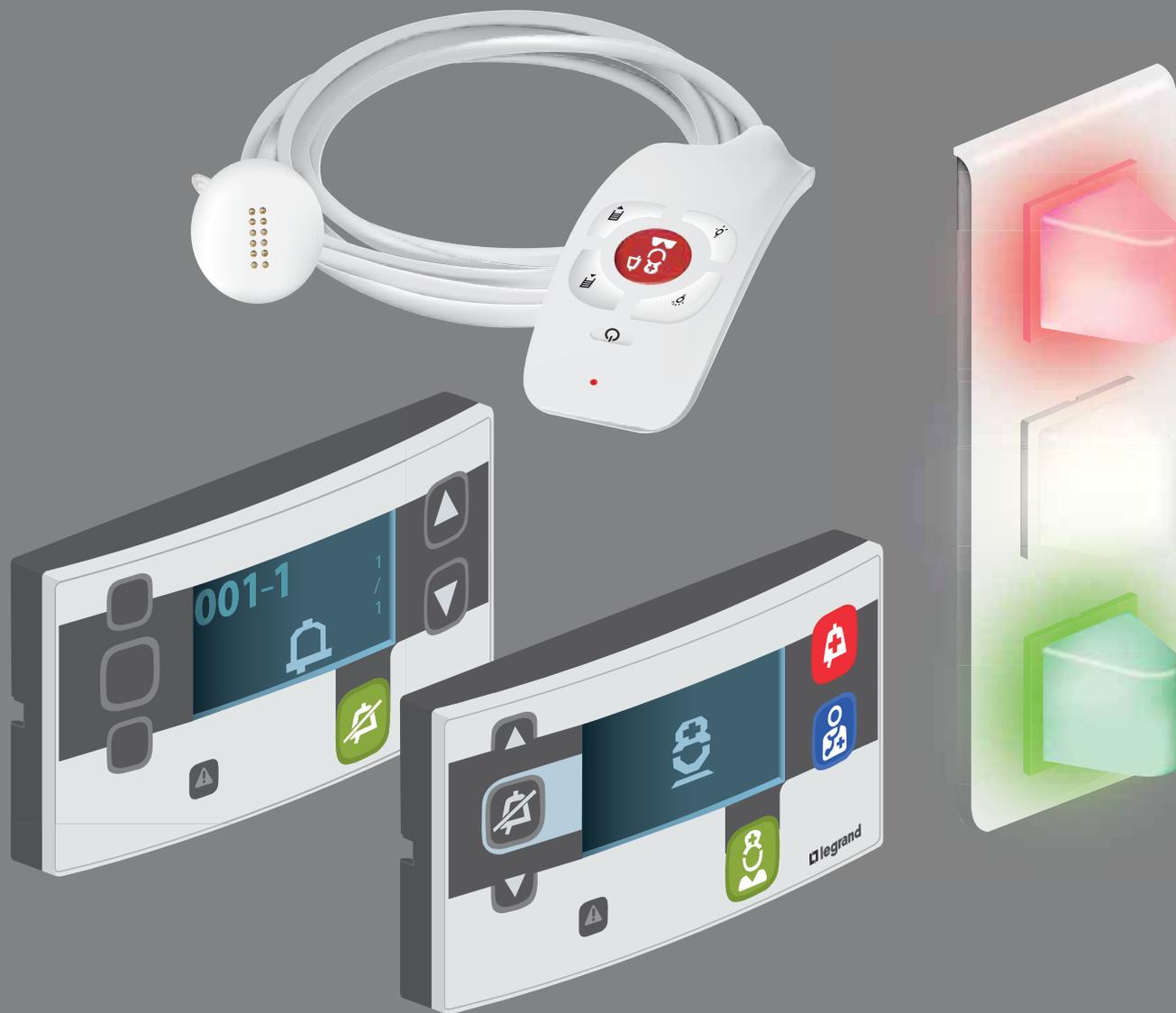


BUS/SCS NURSE CALL SYSTEM



INSTALLATION AND USAGE GUIDE

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Topics

- **SPECIFICATION**

See pages 6 to 10.

- **DESIGN/DEFINITION**

See pages 48 to 65.

For traceability see the guide for the software 0 766 18.

Pages 6 to 10 and 66 to 83: option of having the wiring diagrams validated by Legrand.

- **INSTALLATION**

See pages 66 to 83.

- **PROGRAMMING/CONFIGURATION**

- Configured using configurators: see pages 84 to 93.

- Virtual configuration (using software): see pages 94 to 115.

- **TRAINING**

See pages 48 to 65.

Standard training possible at our accredited Innoval centres.

Project training possible at our accredited Innoval centres or on site.

- **ACCEPTANCE TESTING**

See page 116 and pages 48 to 65.

- **OPERATION/SUPERVISION**

See pages 48 to 65.

For traceability see the software manual 0 766 18.

- **USAGE**

See pages 48 to 65 and the memo sheet LE05065XX.

- **DIAGNOSTICS/TROUBLESHOOTING/ MAINTENANCE**

See pages 122 to 133.

- **SYSTEM MODIFICATION**

- Diagrams: see pages 66 to 83.

- Configuration using configurators: see pages 84 to 93.

- Virtual configuration (using software): see pages 94 to 115.

- Operation checks: see pages 48 to 65 and the memo sheet LE05065XX.

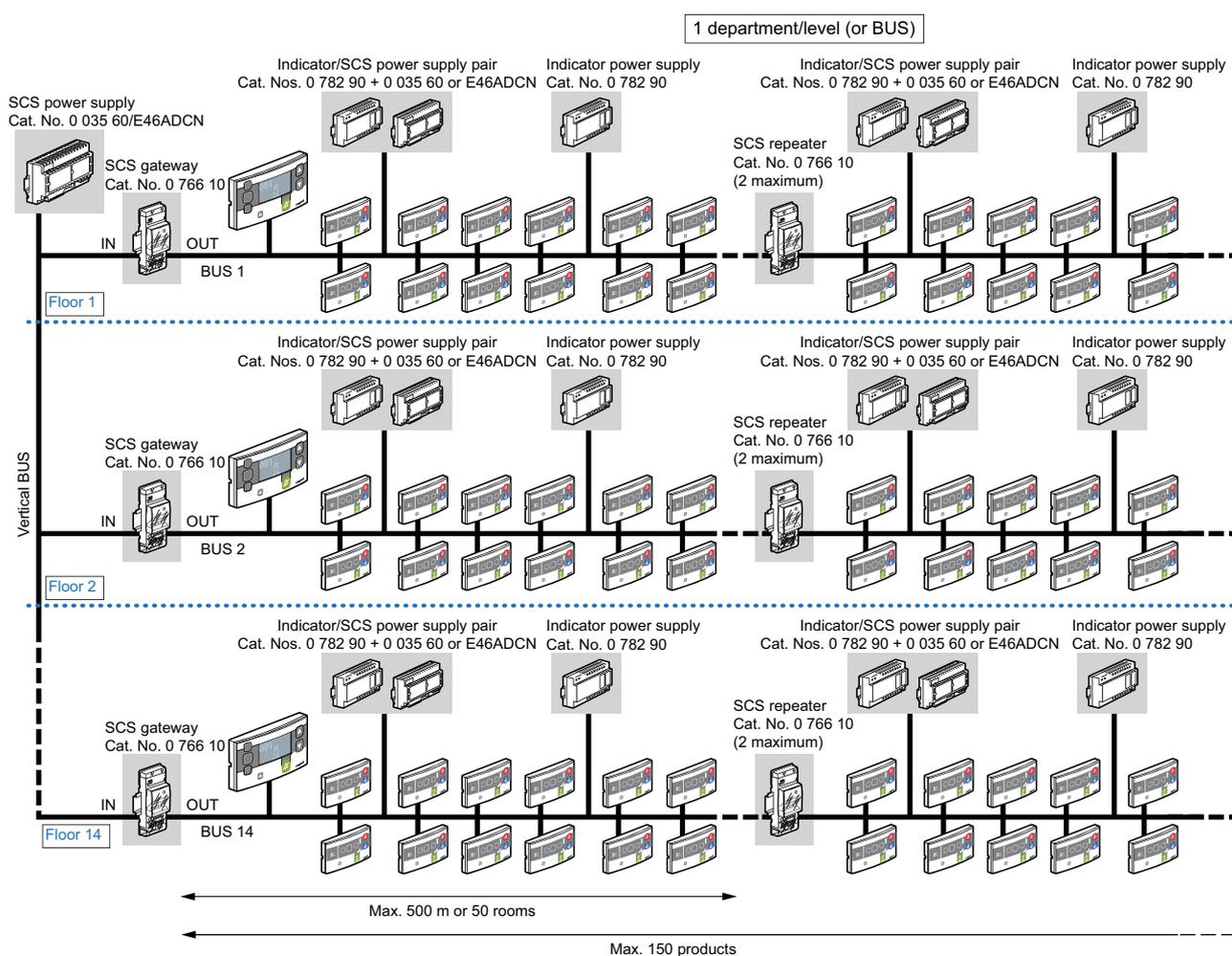
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INSTALLATION EXAMPLE

Installation within a building



IMPORTANT

An installation can comprise a maximum of 14 control units (Cat. No. 0 766 11) connected to the same vertical BUS, with a maximum of 14 departments for a virtual configuration and a maximum of 10 departments for a configurator configuration.

BUS/SCS installation principle (continued)

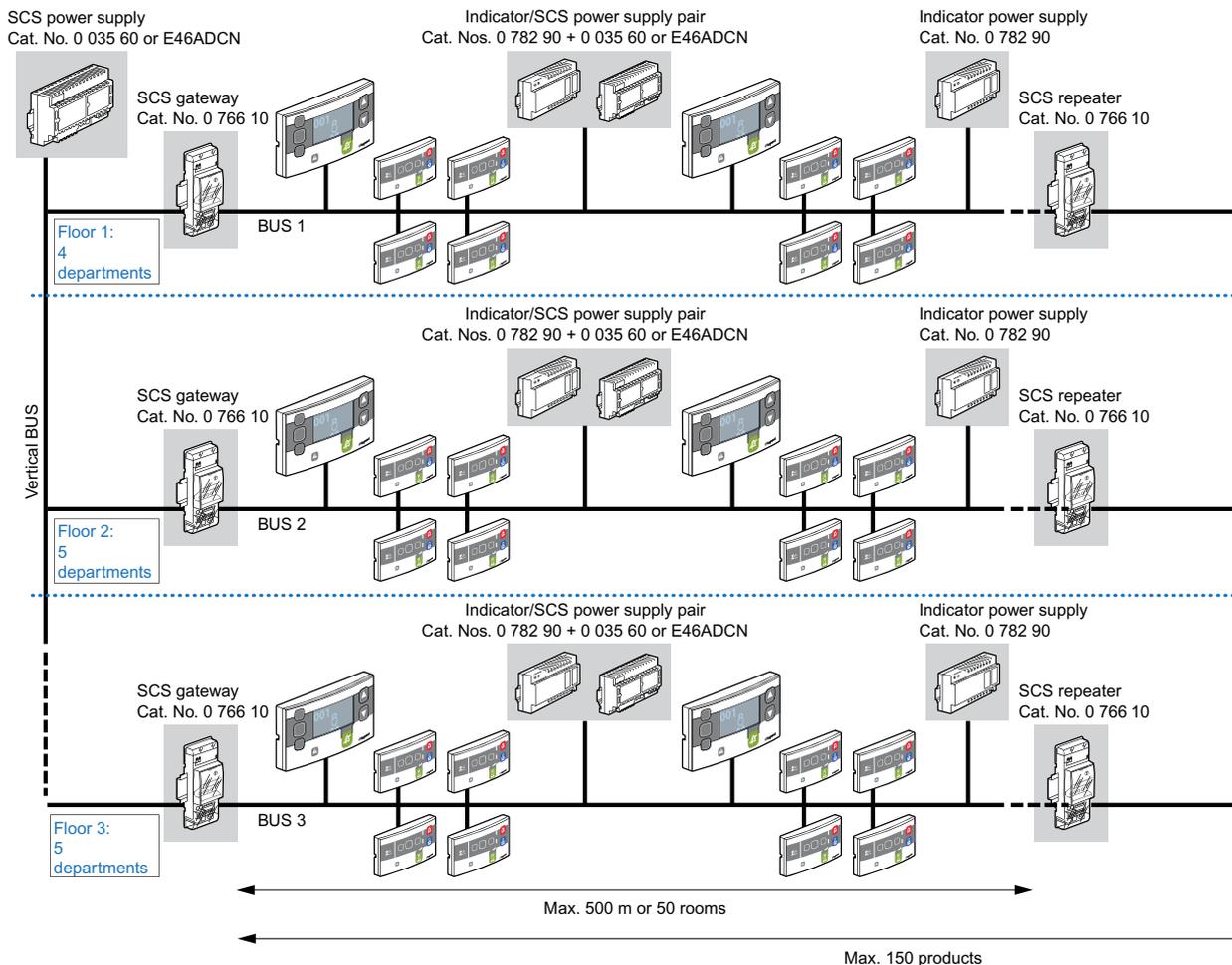
CONFIGURATION EXAMPLE

Example: A building with three floors.

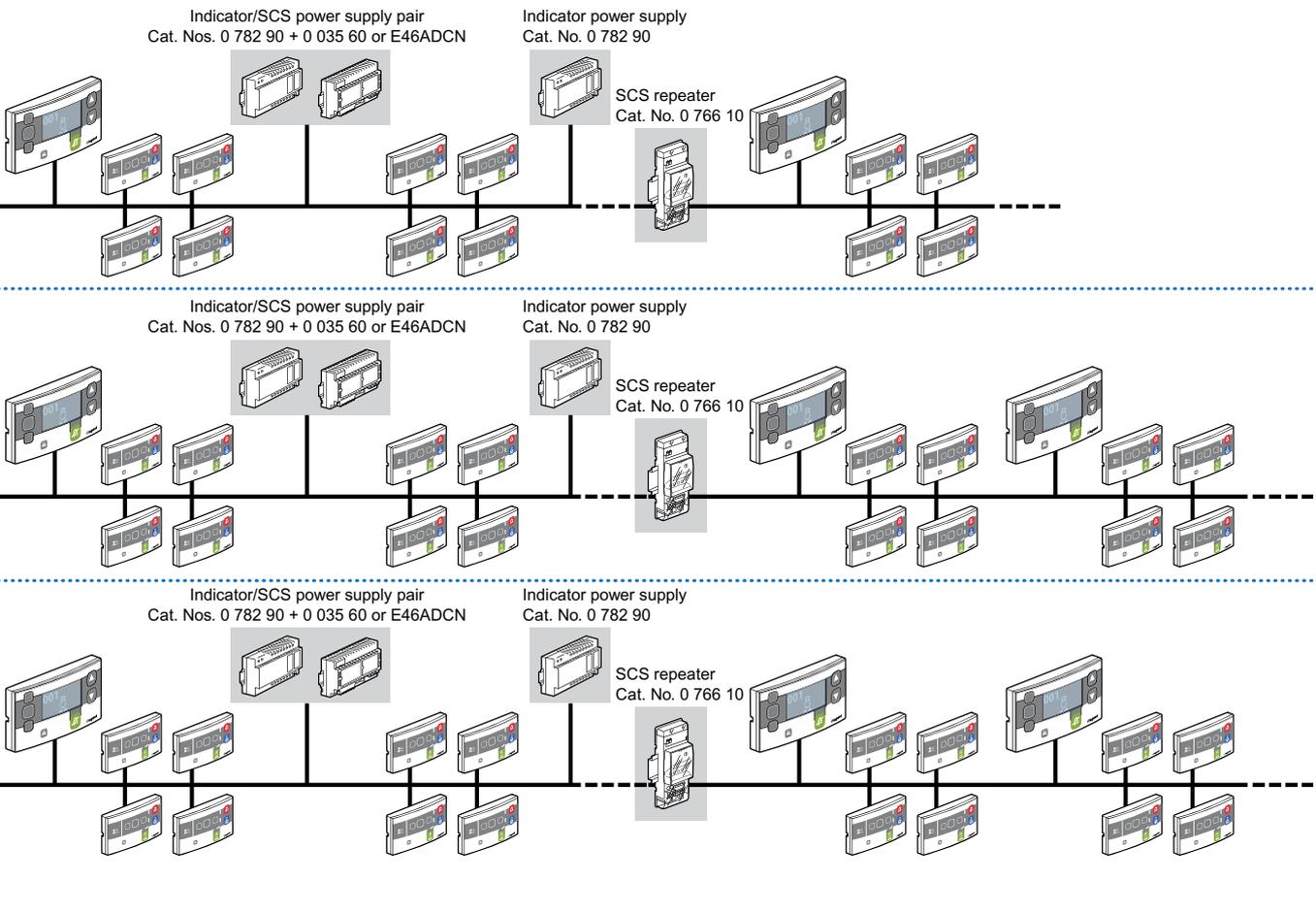
It is possible to distribute 14 departments over 3 levels.

- 1st floor: 4 departments
- + 2nd floor: 5 departments
- + 3rd floor: 5 departments
- = Total number of departments: 14 departments

The bus is made up of 2 cables:
 - BUS/SCS cable Cat. No. 0 492 33
 - 2 x 0.9 SYT indicator cable



The total length of the bus per power supply pair (Cat. Nos. 0 782 90 + 0 035 60 or E46ADCN) must not exceed 500 metres. Beyond that, a bus extension must be used (Cat. No. 0 766 10) as well as other power supply pairs (Cat. Nos. 0 782 90 + 0 035 60 or E46ADCN). The length of the connection between the bus power supply and the furthest device must not exceed 250 metres.



BUS/SCS installation principle (continued)

CABLING EXAMPLE FOR MAXIMUM LENGTHS OF THE BUS SYSTEM

The main devices, the nurse room control units and the patient room door units must be connected to the BUS/SCS 27 V_{DC} power supply and a 27 V indicator power supply.

The nurse call installation can be wired via a tap junction from all other devices (door units, control units, etc.).

The following installation examples are typical configurations.

It is vital that a power supply calculation is completed to determine the power supplies required for each installation.

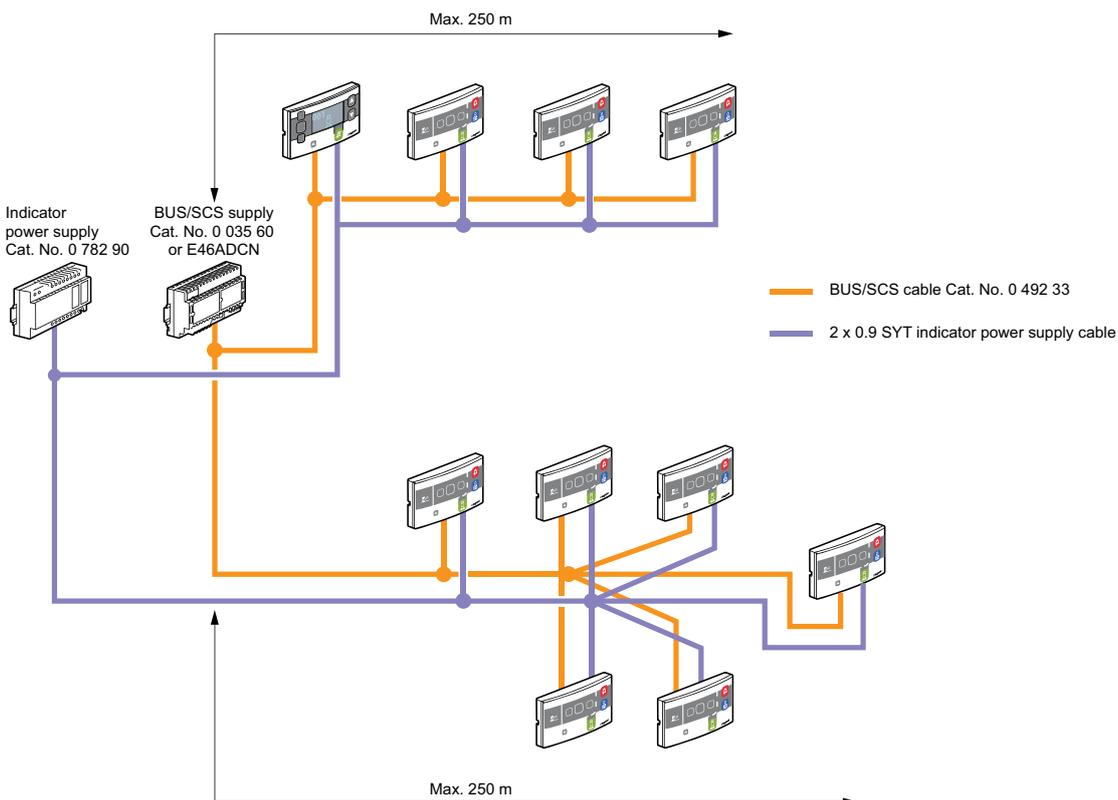
The number of devices that can be connected to the bus and the indicator power supply depends on the total power that they require.

Once the installation has been set up, it is also necessary to check the proper functioning of the installation and the correct sizing of the power supplies with regard to the borderline case established during the study phase.

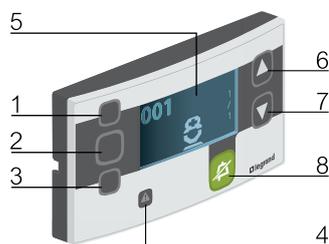
As well as power consumption requirements, BUS cabling must always comply with the following rules:

- The length of the connection between the power supply and the furthest device must not exceed 250 metres.
- The total length of connections within a department must not exceed 500 metres for bus power supply Cat. No. 0 035 60 or E46ADCN.

If distances or required bus power is exceeded, it is possible to extend the installation using bus extension Cat. No. 0 766 10.



Device presentation and installation



- 1 White LED bathroom indicator
- 2 Red LED alarm indicator
- 3 Green LED nurse presence indicator
- 4 Yellow LED installation fault indicator
- 5 Display
- 6 and 7 Navigation buttons
- 8 Mute (silence) or confirmation button/product recognition button for virtual parameter setting

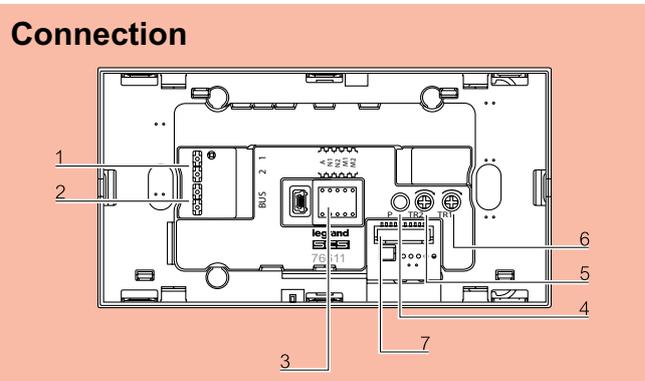
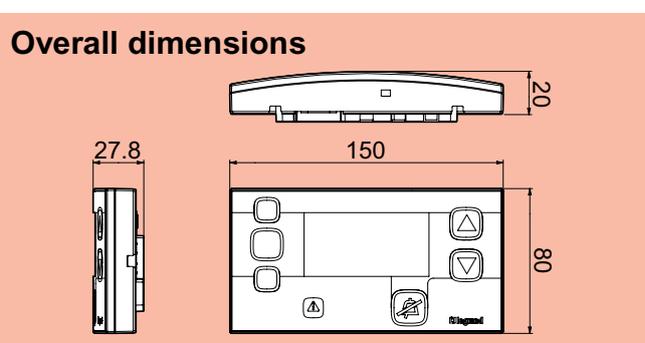
MAIN CONTROL UNIT CAT. NO. 0 766 11 AND SECONDARY CONTROL UNIT CAT. NO. 0 766 09

Main control unit Cat. No. 0 766 11

The main control unit allows monitoring and control of rooms belonging to the same department. All information can be displayed on the LCD screen, enabling complete data management. In installations which use interphones, it is also necessary to install an interphone unit Cat. No. 0 766 08. For installation in the nurses' station.

Secondary control unit Cat. No. 0 766 09

The secondary control unit allows information to be relayed from the main control unit. Can be used in a specific room (rest area, dining room, etc.). In installations which use interphones, it is also necessary to install an interphone unit Cat. No. 0 766 08.



Technical characteristics

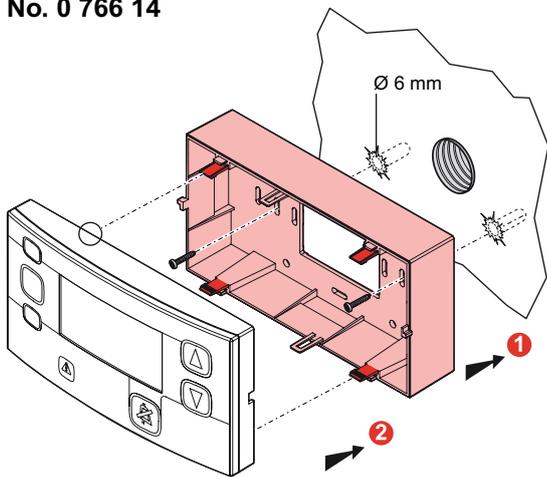
- Power supply: 27 V_{DC}
- Indicator power supply consumption:
 - in standby mode: 19 mA
 - max: 66 mA
- BUS power supply consumption: 3 mA
Consumption in degraded mode: 29 mA on BUS power supply
- Operating temperature: 5 to 40°C
- Antimicrobial
- Protection index: IP 42
- Dimensions (H x W x D): 80 x 150 x 20 mm
- Installation (supplied with mounting support):
 - in 2-gang horizontal flush-mounting box (4 modules)
 - on wall with surface-mounting frame Cat. No. 0 766 14
 - on control unit Cat. No. 766 12 or Cat. No. 766 13 (inclined plane) for fixing control unit onto table
- Sound level: max: 60 dBA at 2 m
min: 40 dBA at 2 m

- 1 Terminals 1-2, 27 V_{DC} indicator power supply
- 2 BUS terminals
- 3 Location of the configurators
- 4 Reset to factory settings button (by holding button down for 10 s)
- 5 Control button brightness adjustment
- 6 Buzzer sound level adjustment
- 7 Connector for interphone unit

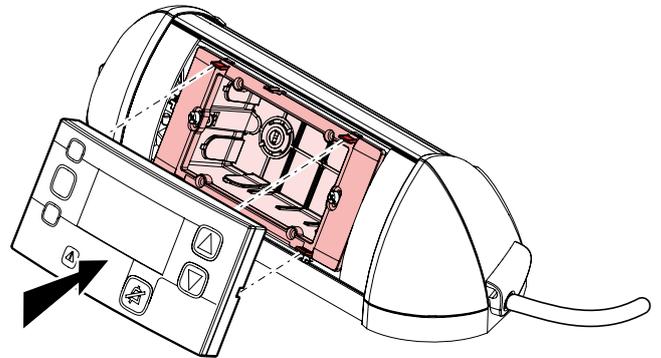
Device presentation and installation (continued)

MAIN CONTROL UNIT CAT. NO. 0 766 11 AND SECONDARY CONTROL UNIT CAT. NO. 0 766 09 (CONTINUED)

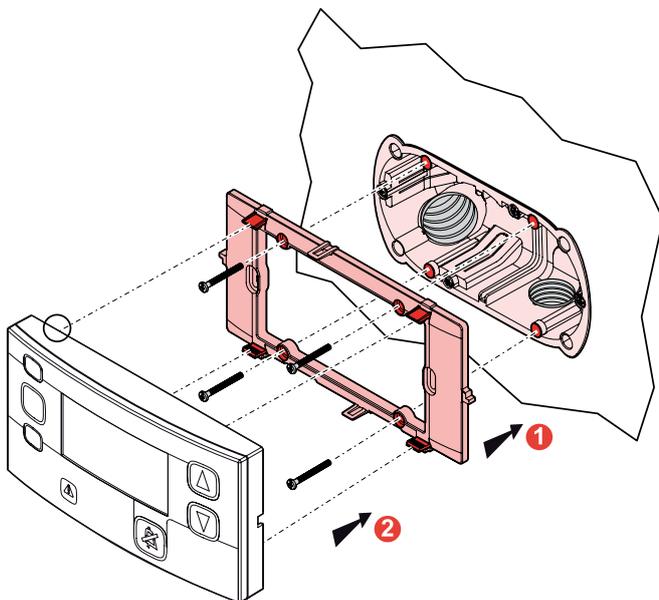
Surface-mounted wall installation with frame Cat. No. 0 766 14



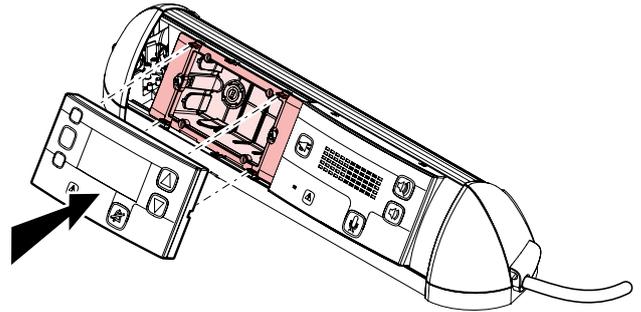
Installation on an inclined plane Cat. No. 0 766 12

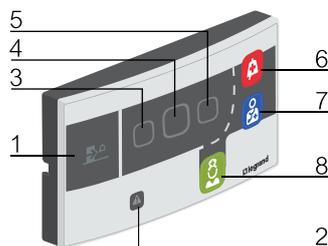


Flush-mounted wall installation with flush-mounting box



Installation on an inclined plane Cat. No. 766 13 with interphone unit Cat. No. 0 766 08





- 1 Red LED call indicator for calls from another room
- 2 Yellow LED installation fault indicator
- 3 White LED bathroom indicator
- 4 Red LED alarm indicator
- 5 Green LED nurse presence indicator
- 6 Call button/indicator
- 7 Doctor request button/indicator
- 8 Nurse presence and acknowledgement button/indicator/
product recognition button for virtual parameter setting

PATIENT ROOM DOOR UNITS

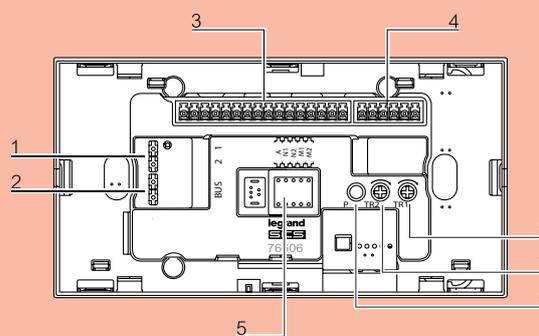
Door unit with indicators Cat. No. 0 766 06

The door unit allows control and local display of calls, with visual and audible signalling.

Technical characteristics

- Power supply: 27 V_{DC}
- Indicator power supply consumption:
 - in standby mode: 38.5 mA
 - max: 198 mA
- BUS power supply consumption: 2.2mA
Consumption in degraded mode: 68 mA on BUS power supply
- Operating temperature: 5 to 40°C
- Antimicrobial
- Protection index: IP 42
- Dimensions (H x W x D): 80 x 150 x 20 mm
- Installation (supplied with mounting support):
 - in 2-gang horizontal flush-mounting box (4 modules)
 - on wall with surface-mounting frame
 Cat. No. 0 766 14
- Sound level: max: 60 dBA at 2 m
min: 40 dBA at 2 m

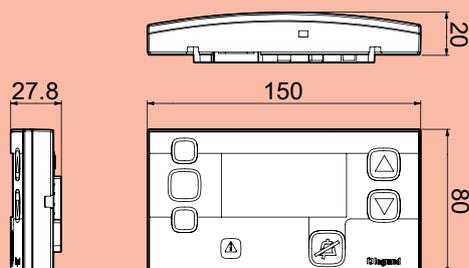
Connection



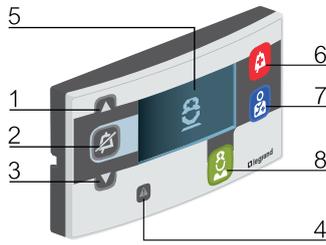
- 1 Terminals 1-2, 27 V_{DC} indicator power supply
- 2 BUS terminals
- 3 Terminal block numbered 1 to 16
- 4 Terminal block numbered 17 to 22
- 5 Location of the configurators
- 6 Reset to factory settings button (by holding button down for 10 s)
- 7 Control button brightness adjustment
- 8 Buzzer sound level adjustment

Flush-mounted or surface-mounted wall installation (see main control unit Cat. No. 0 766 11)

Overall dimensions



Device presentation and installation (continued)



- 1 Navigation button
- 2 Mute button (silence)
- 3 Navigation button
- 4 Yellow LED installation fault indicator
- 5 Display
- 6 Call button/indicator
- 7 Doctor request button/indicator
- 8 Nurse presence and acknowledgement button/indicator/
product recognition button for virtual parameter setting

PATIENT ROOM DOOR UNITS (CONTINUED)

Door unit with display unit Cat. No. 0 766 07

The door unit allows control and local display of calls, with visual and audio indication, on a digital and graphic screen.

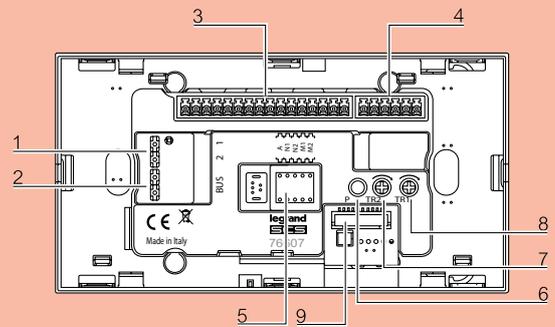
Used in conjunction with the interphone unit Cat. No. 0 766 08 for communicating with rooms issuing calls and with a nurse present.

Hang-up function at the end of a call.

Technical characteristics

- Power supply: 27 V_~
- Indicator power supply consumption:
 - in standby mode: 38.5 mA
 - max: 233 mA
- BUS power supply consumption: 3 mA
Consumption in degraded mode: 53 mA on BUS power supply
- Operating temperature: 5 to 40°C
- Antimicrobial
- Protection index: IP 42
- Dimensions (H x W x D): 80 x 150 x 20 mm
- Installation (supplied with mounting support):
 - in 2-gang horizontal flush-mounting box (4 modules)
 - on wall with surface-mounting frame
 Cat. No. 0 766 14
- Sound level: max: 60 dBA at 2 m
min: 40 dBA at 2 m

Connection

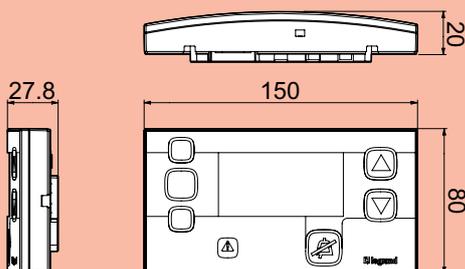


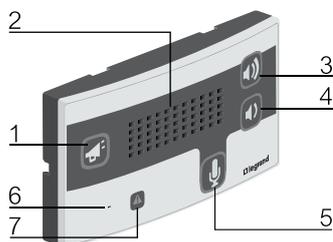
- 1 Terminals 1-2, 27 V_~ indicator power supply
- 2 BUS terminals
- 3 Terminal block numbered 1 to 16
- 4 Terminal block numbered 17 to 22
- 5 Location of the configurators
- 6 Reset to factory settings button (by holding button down for 10 s)
- 7 Control button brightness adjustment
- 8 Buzzer sound level adjustment
- 9 Connector for interphone unit

Flush-mounted or surface-mounted wall installation (see main control unit Cat. No. 0 766 11)

Installation with interphone unit (see interphone unit Cat. No. 0 766 08)

Overall dimensions





- 1 Communication button
- 2 Loudspeaker
- 3 - 4 Volume adjustment controls (maximum and minimum)
- 5 Hands-free button
- 6 Microphone
- 7 Yellow LED installation fault indicator

Interphone unit Cat. No. 0 766 08

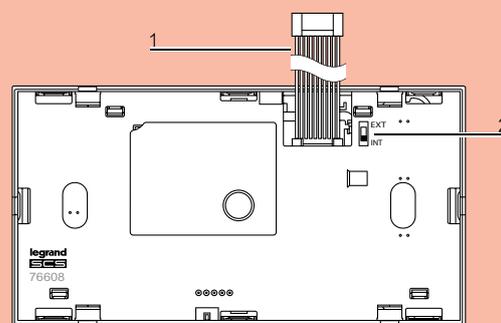
The interphone unit is used in conjunction with the main control unit (Cat. No. 0 766 11), the secondary control unit (Cat. No. 0 766 09) and the door unit (Cat. No. 0 766 07) and allows two-way voice communication.

Once the call has been made, the nurse can speak to the patient and acknowledge the call if necessary. It must be used with a patient room microphone (Cat. No. 0 782 00) if the distance between the patient and the door unit is greater than 2 m.

Technical characteristics

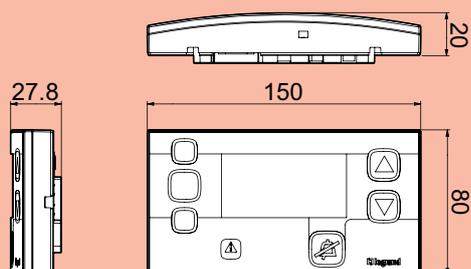
- Power supply: via door units Cat. No. 0 766 07 or main control unit Cat. No. 0 766 11
- Normal consumption: 42 mA on indicator power supply
Consumption in degraded mode: 10 mA on BUS power supply
- Operating temperature: 5 to 40°C
- Antimicrobial
- Protection index: IP 42
- Dimensions (H x W x D): 80 x 150 x 20 mm
- Installation (supplied with fixing support):
- directly onto the wall or with support frame Cat. No. 0 766 14

Connection



- 1 Ribbon cable for connection to the door unit Cat. No. 0 766 07 or main control unit Cat. No. 0 766 11/09
- 2 External microphone activation/deactivation switch Cat. No. 0 782 00

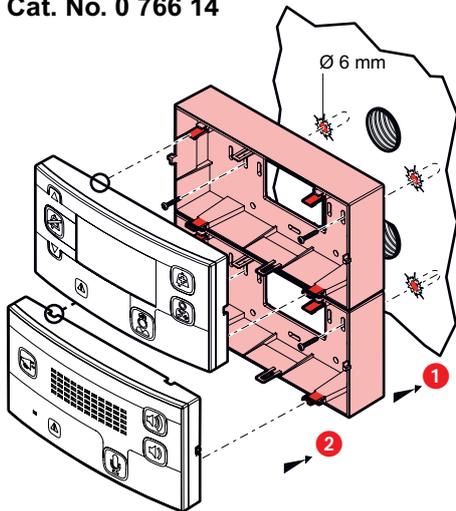
Overall dimensions



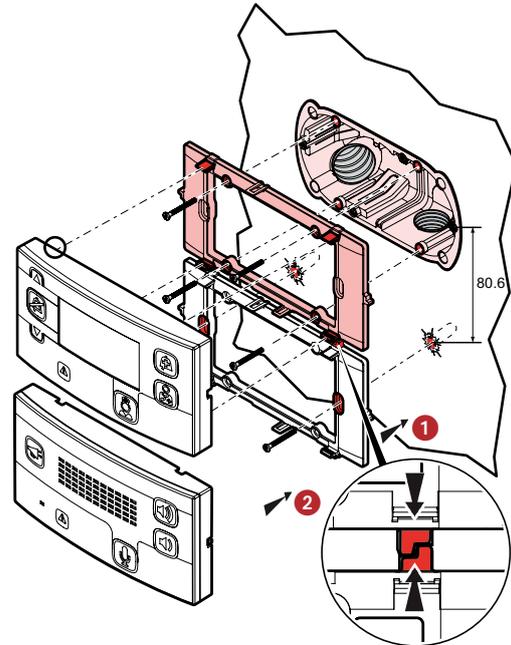
Device presentation and installation (continued)

PATIENT ROOM DOOR UNITS CAT. NO. 0 766 08

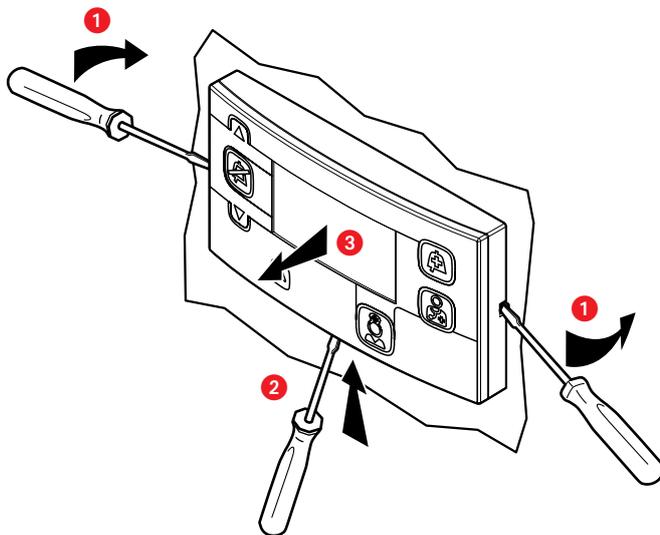
Surface-mounted wall installation with door unit Cat. No. 0 766 07 and 2 support frames Cat. No. 0 766 14



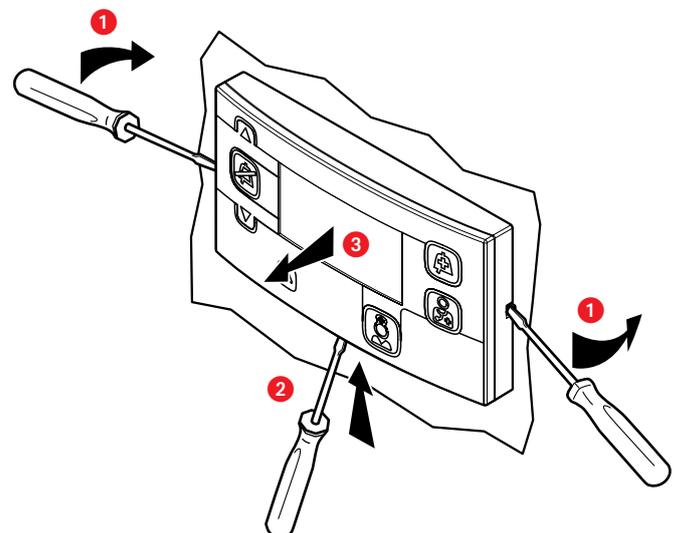
Flush-mounted wall installation with door unit Cat. No. 0 766 07 and flush-mounting box



Door unit removal



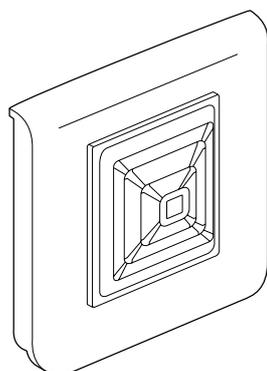
Door unit removal



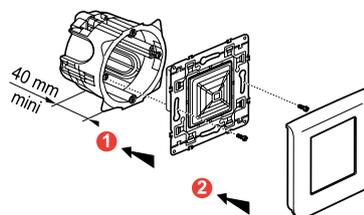


PATIENT ROOM MICROPHONE CAT. NO. 0 782 00

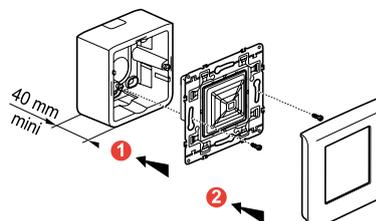
The microphone is used in conjunction with the interphone unit (Cat. No. 0 766 08) to improve sound quality. This device must be installed close to the bedhead.



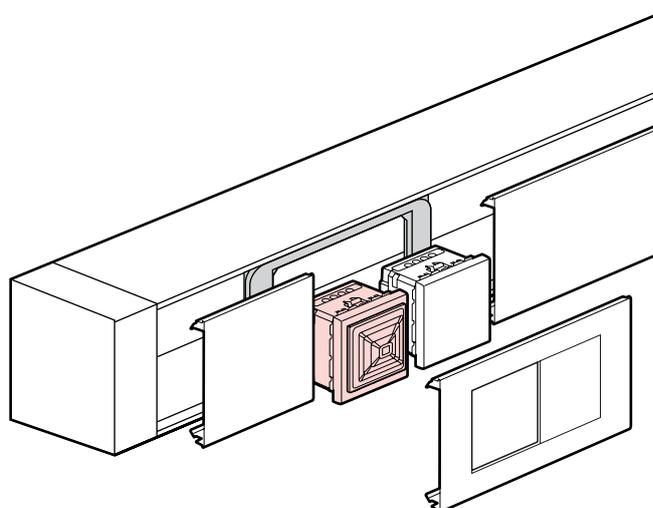
Flush-mounted wall installation in 1-gang screw flush-mounting box



Surface-mounted wall installation with frame Cat. No. 0 802 81



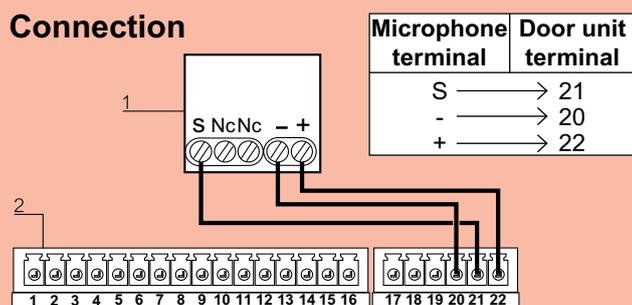
Installation in a strip using special support



Technical Characteristics

- Power supply: via door units Cat. No. 0 766 07
- Operating temperature: 5 to 40°C
- Protection index: IP 20
- Overall dimensions (H x W): 82 x 82 mm
- Installation (supplied with mounting support):
 - in 1-gang flush-mounting box
 - on wall with surface-mounting frame Cat. No. 0 802 81
 - in a strip using special support supplied

Connection



1 Microphone terminal block: 0 782 00

2 Door unit terminal block: 0 766 07

Device presentation and installation (continued)



SOCKETS CAT. NOS. 0 782 41/46 FOR HAND-HELD REMOTE CONTROL UNITS

Sockets Cat. Nos. 0 782 41 for mounting in a strip and 0 782 46 for call-only hand-held remote control unit (pushbutton cord)

Magnetic connection between hand-held unit and socket: can be ejected in all directions with pull out torque designed to avoid any damage to the equipment.

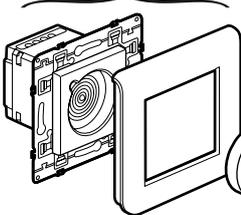
Antimicrobial.

Non-indexed magnetic connection socket for hand-held remote control unit Cat. No. 0 782 40.

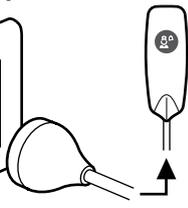
0 782 41



0 782 46



0 782 40

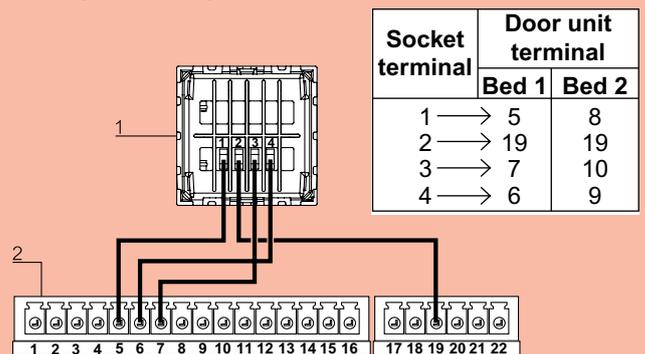


Technical characteristics

- Power supply: via the door unit
- Operating temperature: 5 to 40°C
- Antimicrobial
- Protection index: IP 42
- Dimensions:
 - Cat. No. 0 782 41 : 45 x 45 x 36 mm
 - Cat. No. 0 782 46 : 82 x 82 x 36 mm
- Installation:
 - in 1-gang flush-mounting box (2 modules)
 - on wall with surface-mounting frame Cat. No. 0 802 81
 - in a strip using special support supplied

Connection

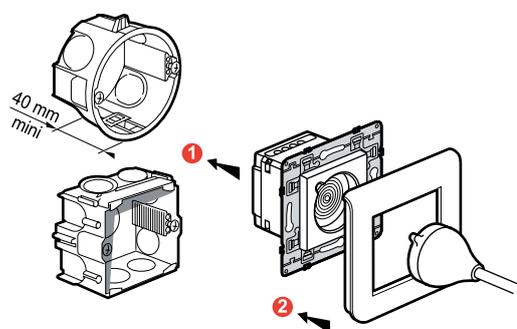
Example: 1 bed per room.



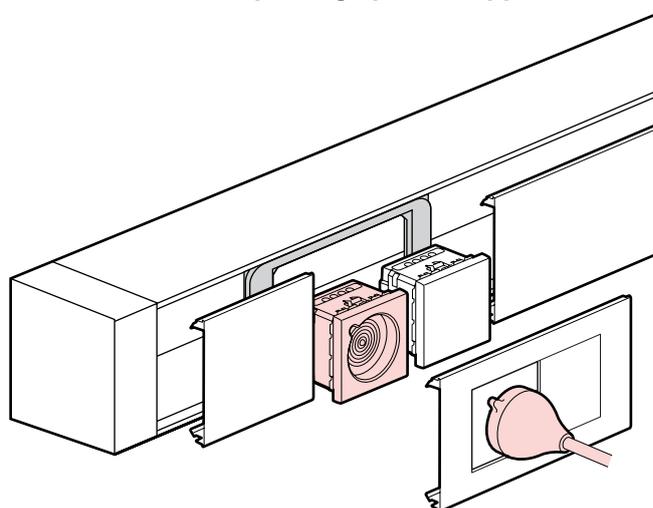
1 Socket terminal block: 0 782 41/46

2 Door unit terminal block: 0 766 06/07

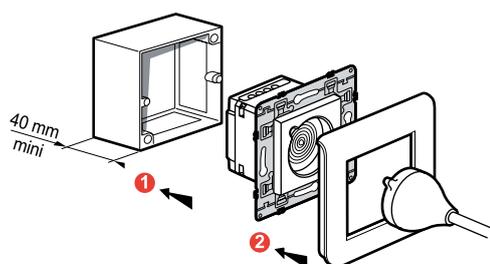
Flush-mounted wall installation in 1-gang flush-mounting box



Installation in a strip using special support



**Surface-mounted wall installation with frame
Cat. No. 0 802 81**



Device presentation and installation (continued)



SOCKETS CAT. NOS. 0 782 45/47 FOR HAND-HELD REMOTE CONTROL UNITS

Sockets Cat. Nos. 782 45 and 782 47 for hand-held remote control call and command units

Magnetic connection between hand-held remote control unit and socket: can be ejected in all directions with pull-out torque designed to avoid any damage to the equipment.

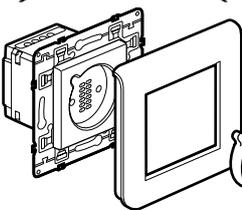
Antimicrobial.

Indexed magnetic connection socket for hand-held remote control unit Cat. Nos. 0 782 42 and 782 44.

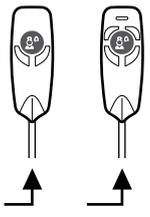
0 782 45



0 782 47



0 782 42 0 782 44

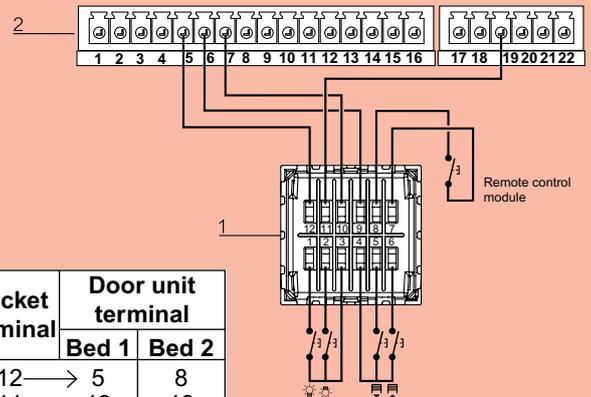


Technical characteristics

- Power supply:
 - via the door unit for nurse calls
 - via the remote control module Cat. No. 0 783 77 or 0 783 78 or 783 79 for lighting and roller blinds
- Operating temperature: 5 to 40°C
- Antimicrobial
- Protection index: IP 42
- Dimensions:
 - Cat. No. 0 782 45 : 45 x 45 x 36 mm
 - Cat. No. 0 782 47 : 82 x 82 x 36 mm
- Installation:
 - in 1-gang (2 modules) flush-mounting box
 - on wall with surface-mounting frame Cat. No. 0 802 81

Connection

Example: 1 bed per room.

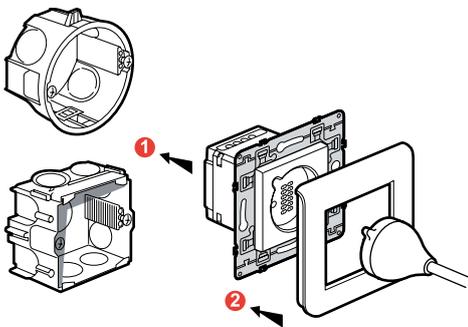


Socket terminal	Door unit terminal	
	Bed 1	Bed 2
12 →	5	8
11 →	19	19
10 →	7	10
9 →	6	9

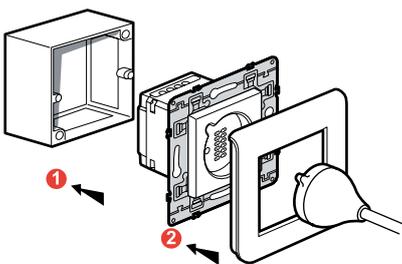
1 Socket terminal block: 0 782 45/47

2 Door unit terminal block: 0 766 06/07

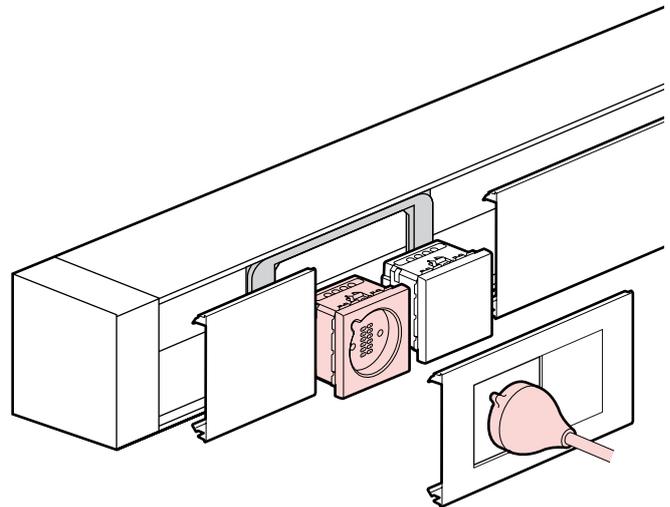
**Flush-mounted wall installation in 1-gang
flush-mounting box**



**Surface-mounted wall installation with frame
Cat. No. 0 802 81**



Installation in a strip using special support



Device presentation and installation (continued)



REMOTE CONTROL MODULES CAT. NOS. 0 783 77/78/79

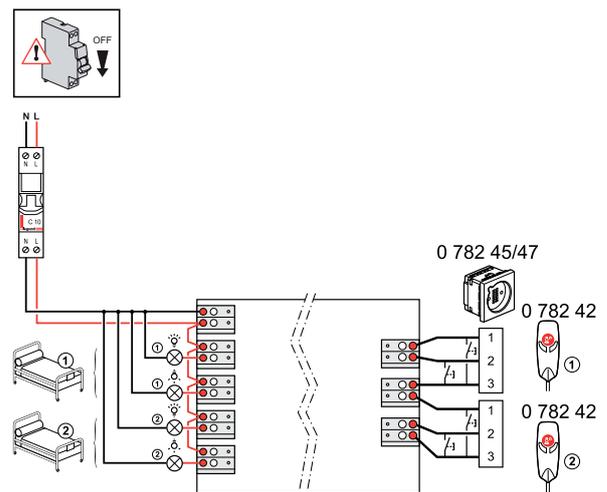
These boxes provide control for lighting or other SELV functions via hand-held remote control units. To be fitted in wall strips or suspended ceilings.

Technical characteristics

- Power supply: 100 - 240 V
- Operating temperature: 0 to 35°C
- Dimensions: 230 x 71 x 44 mm
- Installation: in the bedhead strip or in the suspended ceiling

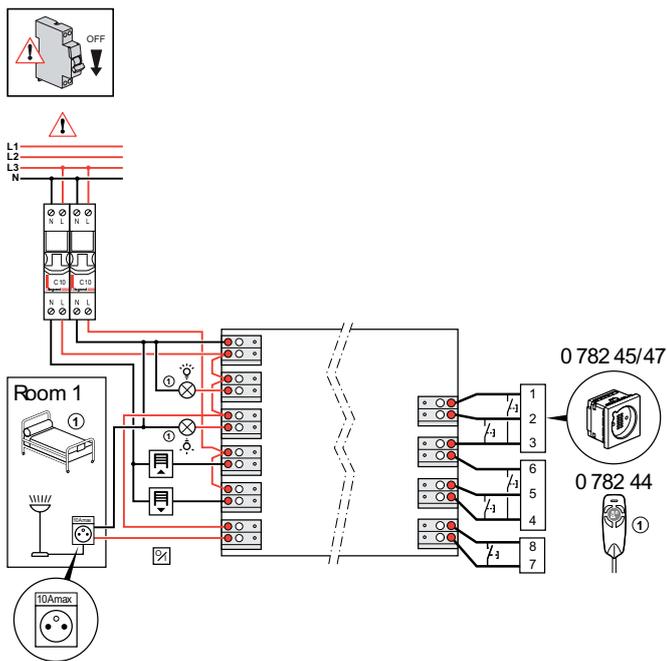
Remote control module for wall strips for controlling four lighting outputs Cat. No. 0 783 77

Compatible with hand-held remote control unit Cat. No. 0 782 42.



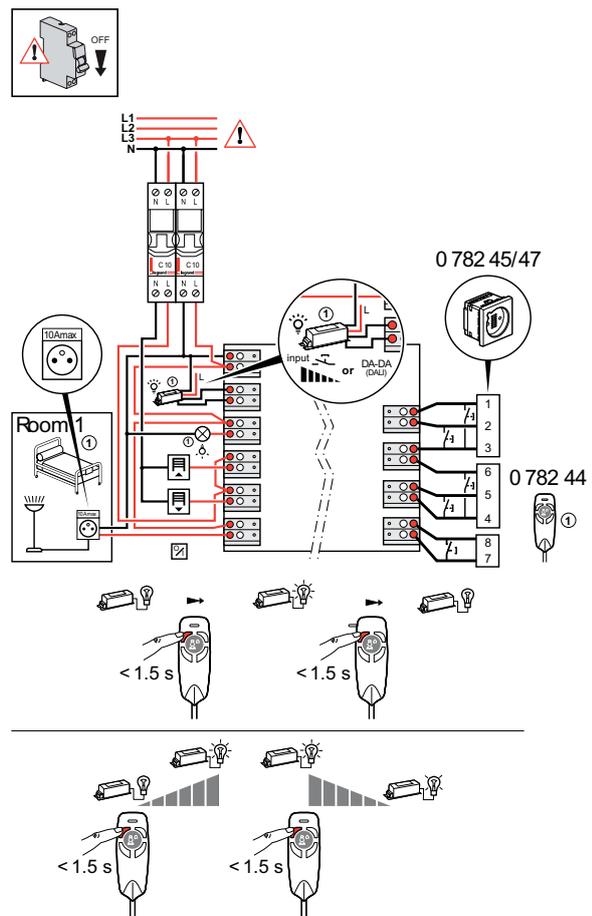
**Remote control module for wall strips for controlling two lighting outputs and roller blinds
Cat. No. 0 783 78**

Compatible with hand-held remote control unit
Cat. No. 0 782 44.



**Remote control module for bedhead strips, for controlling two lighting outputs (room lighting with dimming and reading ON/OFF), roller blinds and one 10 A any-function output
Cat. No. 0 783 79**

Compatible with hand-held remote control unit
Cat. No. 0 782 44.



Device presentation and installation (continued)



HAND-HELD REMOTE CONTROL UNITS

Allows patients to call a nurse (using an NC push-button) via the door unit.

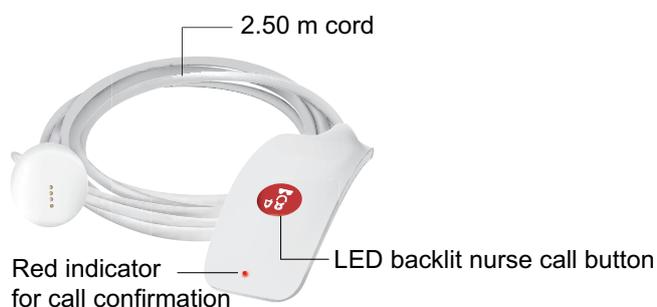
Magnetic connection between hand-held remote control unit and socket:

can be ejected in all directions with pull out torque designed to avoid any damage to the equipment.

Cleaning recommended using wipes moistened with detergent for food preparation surfaces (such as Anios, etc.)

Hand-held remote control unit for call only (call pushbutton cord) Cat. No. 0 782 40

For use with socket Cat. No. 0 782 41 or 0 782 46.



Call and control hand-held remote control unit Cat. No 0 782 42

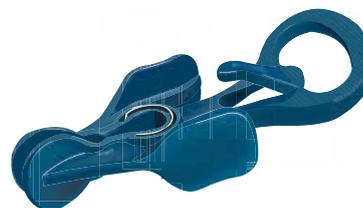
For use with socket Cat. No. 0 782 45 or 0 782 47.



- 1 LED backlit nurse call button
- 2 Reading light control (NO pushbutton)
- 3 Room lighting control (NO pushbutton)

Technical characteristics

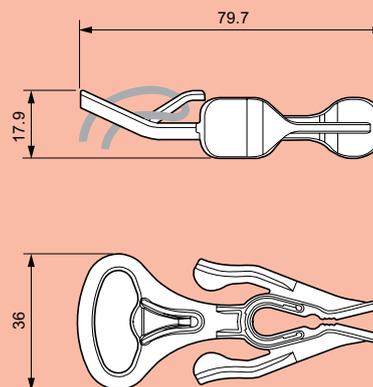
- Power supply: sockets for hand-held remote control units
- Operating temperature: 5 to 40°C
- Antimicrobial
- Protection index: IP 67 (excluding plug)
- Length of cord: 2.5 m
- Can be fixed or held in place by clamp Cat. No. 0 782 43
- Back-lighting consumption: 2 mA



CLAMP CAT. NO. 0 782 43

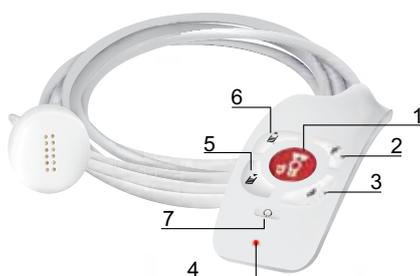
For holding the hand-held remote control unit within reach:
on bedding, clothes or the arm of a chair.

Dimensions



Call and control hand-held remote control unit Cat. No 0 782 44

For use with socket Cat. No. 0 782 45 or 0 782 47.

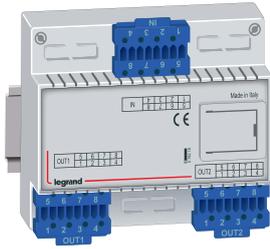


- 1 LED backlit nurse call button
- 2 Reading light control (NO pushbutton)
- 3 Room lighting control (NO pushbutton)
- 4 Red indicator for call confirmation
- 5 and 6 Roller blind control (NO pushbutton)
- 7 Free function button (NO pushbutton)

Technical characteristics

- Power supply: via sockets for hand-held remote control units
- Operating temperature: 5 to 40°C
- Antimicrobial
- Protection index: IP 67 (excluding plug)
- Back-lighting consumption: 2 mA
- Length of cord: 2.5 m
- Can be fixed or held in place by clamp
Cat. No. 0 782 43

Device presentation and installation (continued)



BED EXTENSION CAT. NO. 0 782 19 FOR DOOR UNITS CAT. NOS. 0 766 06/07

Connected to the hand-held remote control units and to the door unit, this extension can manage up to 4 beds per room and identify them as 1 to 4 on the various displays (door units, control units, corridor display units and DECT).

Technical characteristics

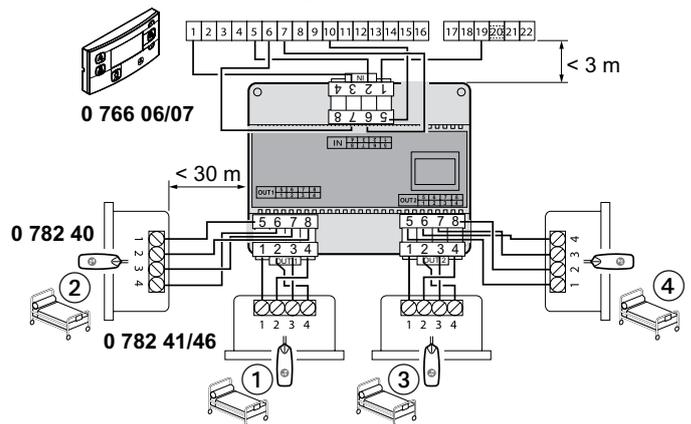
- Power supply: door unit
- Consumption: 1.8 W max.
- Operating temperature: -5°C to +40°C
- Size: 6 DIN modules

# = Call source	
Door unit	
Bed 1	1
Bed 2	2
Bed 3	3
Bed 4	4
WC/bathroom	W

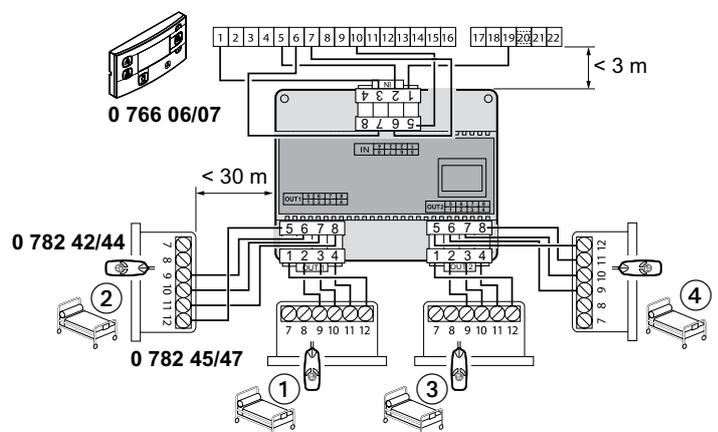
Example of a call:
A001-3! : call from department A, room 1, bed 3.

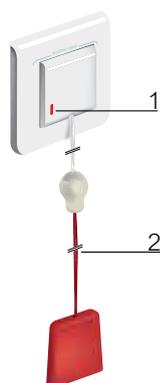
Connection

Installation with call-only hand-held remote control units



Installation with call and control hand-held remote control units

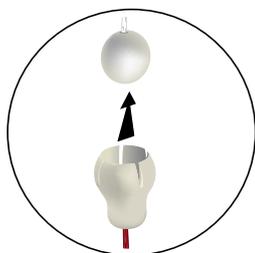




- 1 Red indicator for call confirmation
- 2 NC call button
Ejectable red anti-microbial cord

EJECTABLE BATHROOM CALL PULL-CORD CAT. NO. 0 782 48

Allows calls to a nurse from the bathrooms.

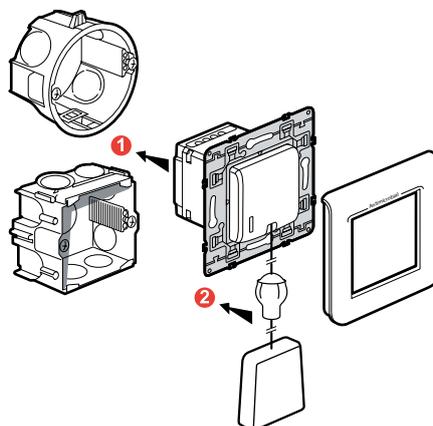


Can be positioned in zone 1 of the bathroom and recommended at a height of 2.3m

Technical characteristics

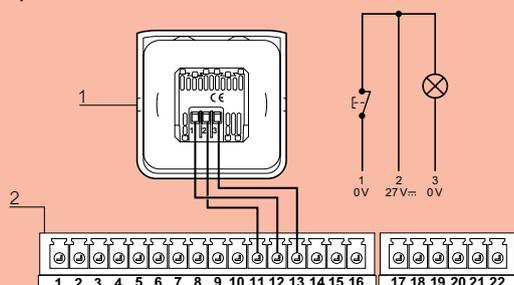
- Power supply: via door units
Cat. No. 0 766 06 or 0 766 07
- Operating temperature: 5 to 40°C
- Antimicrobial
- Protection index: IP 55 (flush-mounting only)
- Dimensions (H x W x D): 82 x 82 x 43 mm
- Installation: in 1-gang flush-mounting box

Flush-mounted wall installation in 1-gang flush-mounting box



Connection

Example for 1 bathroom

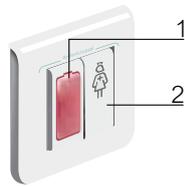


Pull-cord terminal	Door unit terminal
1	→ 12
2	→ 11
3	→ 13

1 Bathroom pull-cord terminal block: 0 782 48

2 Door unit terminal block: 0 766 06/07

Device presentation and installation (continued)



- 1 Red indicator for call confirmation
- 2 NC call button

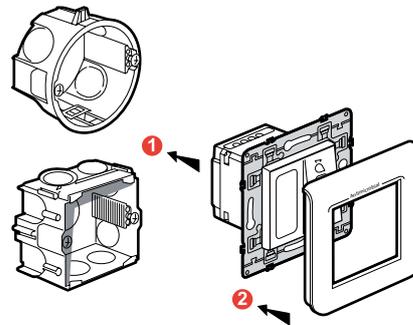
Possibility of IP 44 with plate Cat. No. 0 788 80

BATHROOM CALL UNITS CAT. NO. 0 766 85

Technical characteristics

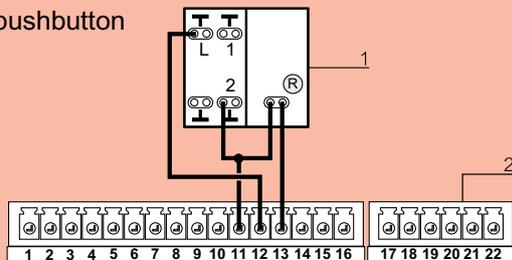
- Power supply: via door units Cat. No. 0 766 06 or 0 766 07
- Operating temperature: 5 to 40°C
- Antimicrobial
- Protection index: IP 20
- Dimensions (H x W x D): 82 x 82 x 43 mm
- Installation:
 - in 1-gang (2 modules) flush-mounting box
 - in surface-mounting frame Cat. No. 0 802 81 (IP 20)

Flush-mounted wall installation in 1-gang flush-mounting box



Connection

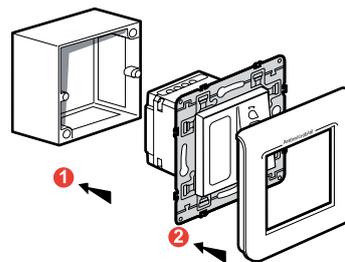
NC pushbutton



Call unit terminal	Door unit terminal
L	→ 12
2 } R }	→ 11
R	→ 13

- 1 Call unit terminal block: 0 766 85
- 2 Door unit terminal block: 0 766 06/07

Surface-mounted wall installation with box Cat. No. 0 802 81





Programming button

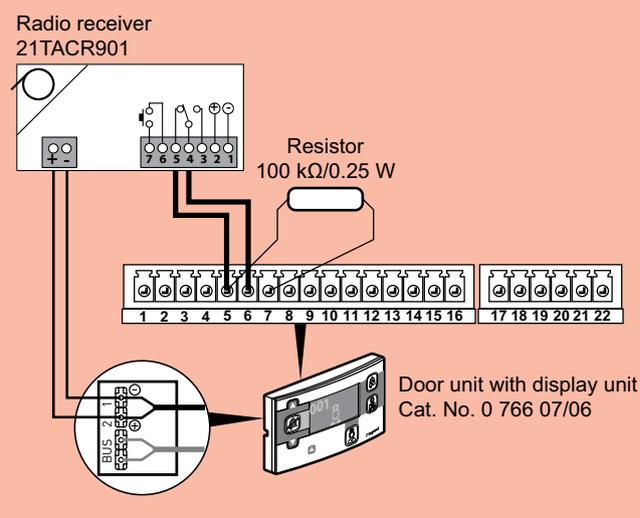
RADIO RECEIVER CAT. NO. 21TACR901 FOR PORTABLE RADIO TRANSMITTERS

Radio unit which receives call signals sent by portable activation units (pendant or wristwatch type activation units, etc.), and transmits the information to the door unit.

Technical characteristics

- Power supply via the door unit or 9 to 24 V_~
- Consumption: 12 mA
- Operating temperature: 5 to 40°C
- Dimensions: 82 x 82 mm - D = 50 mm
- NO-NC relay output - Relay output power 1 A/30 V
- Surface mounting with frame Cat. No. 0 802 81 supplied
Recommended: in suspended ceiling or technical cabinet (not accessible to the public)
- Programming: refer to the instructions supplied with the product

Connection



Device presentation and installation (continued)



PORTABLE ACTIVATION UNIT CAT. NO. 21PDER904

Portable radio transmitter that can be used on the wrist, clipped on or worn as a pendant.
Enables the patient to send a call from inside his/her room, irrespective of where he/she is located.
Operates with radio receiver Cat. No. 21TACR901.
Supplied with a clip-on accessory and a black anti-strangulation chain.

Technical characteristics

- European frequency for social alarms: 869.2375 MHz
- Weight: 11 g
- Protection index: IP 67
- Battery life: 5 years
- Radio range: up to 200 m in free field
- Dimensions: 39.2 x 34.3 x 9.9 mm



WRISTWATCH ACTIVATION UNIT CAT. NO. 21PMOR902

Portable radio transmitter.

Enables the patient to send a call from inside his/her room, irrespective of where he/she is located.

Operates with radio receiver Cat. No. 21TACR901.

Supplied with the wrist strap and a clip so that it can be worn as a pendant.

Technical characteristics

- European frequency for social alarms:
869.2375 MHz
- Weight: 24 g
- Protection index: IP 67
- Battery life: 2 years (with one call a day)
- Replaceable battery: CR2032 (Renata)
- Radio range: up to 200 m in free field
- Dimensions: 46 x 38 x 13 mm

Device presentation and installation (continued)



PORTABLE ACTIVATION UNIT AND SUDDEN FALL DETECTOR CAT. NO. 21PDER911

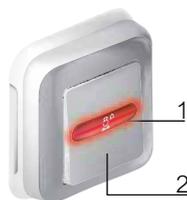
Portable radio transmitter.

2 functions: sends a signal automatically when the patient falls suddenly. Also enables the patient to send a call manually from inside his/her room, irrespective of where he/she is located.

Operates with radio receiver Cat. No. 21TACR901.

Technical characteristics

- European frequency for social alarms: 869.2375 MHz
- Weight: 35 g
- Protection index: IP 67
- Battery life: 2 years (with one call a day)
- Replaceable battery: CR2477
- Radio range: up to 200 m in free field
- Dimensions: 37 x 12 mm



- 1 Red indicator for call confirmation
- 2 NC call pushbutton

CALL DEVICES FOR SPECIFIC ENVIRONMENTS

Allows patients to call a nurse.

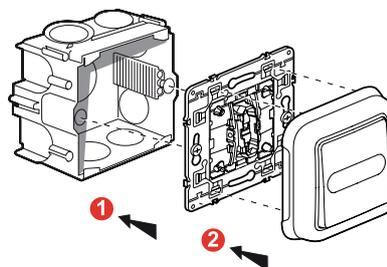
Weatherproof call unit Cat. No. 0 782 49

Suitable for damp environments (e.g.: rehabilitation and spa recovery centres with swimming pool, steam room, sauna, etc.).

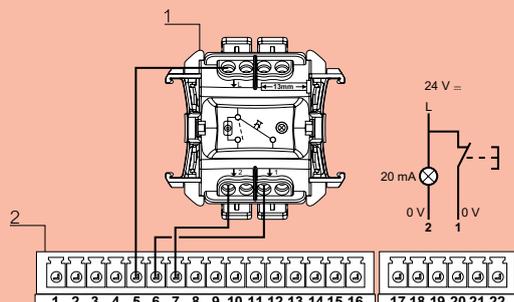
Technical characteristics

- Power supply: via door units
Cat. No. 0 766 06 or 0 766 07
- Operating temperature: 5 to 40°C
- Antimicrobial
- Protection index: IP 55 - IK 07
- Overall dimensions (H x W): 86 x 86 mm
- Installation:
- in 1-gang flush-mounting box

Flush-mounted wall installation in 1-gang flush-mounting box



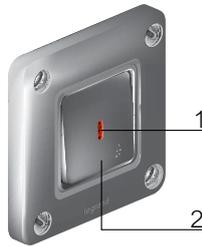
Connection



Sealed BP terminal	Door unit terminal
L	→ 5
1	→ 6
2	→ 7

- 1 Sealed call button terminal block: 0 782 49
- 2 Door unit terminal block: 0 766 06/07

Device presentation and installation (continued)



- 1 Red indicator for call confirmation
- 2 NC call button

CALL DEVICES FOR SPECIFIC ENVIRONMENTS (CONTINUED)

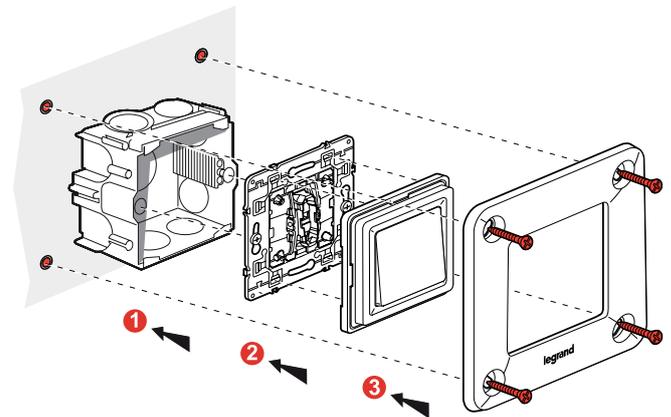
High-resistance call unit Cat. No. 0 782 51

Suitable for psychiatric and penal institutions, etc.

Flush-mounted wall installation with 1-gang flush-mounting box

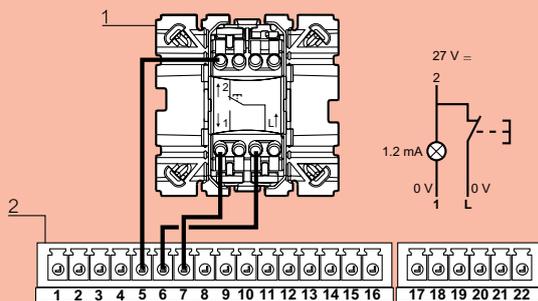
Technical characteristics

- Power supply: via door units
Cat. No. 766 06 or 766 07
- Operating temperature: 5 to 40°C
- Protection index: IP 55 - IK 10
- Overall dimensions (H x W): 110 x 110 mm
- Installation:
 - in 1-gang flush-mounting box
 - surface-mounted with frame Cat. No. 0 778 90



Connection

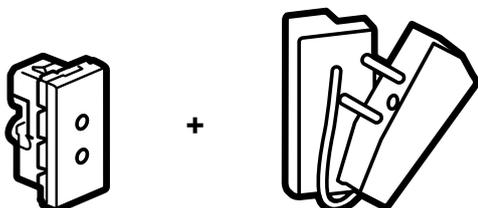
Example: 1 bed/cell.



Call unit terminal	Door unit terminal
2	5
1	7
L	6

1 Soliroc call button terminal block: 0 782 51

2 Door unit terminal block: 0 766 06/07



BIOMEDICAL CALL DEVICES: SOCKET CAT. NO. 0 771 50 + PLUG CAT. NO. 0 782 07

Signals the end of a cycle via an alarm on the nurse call system.

For connection to portable electrical medical devices such as syringe pumps, respirators, etc.

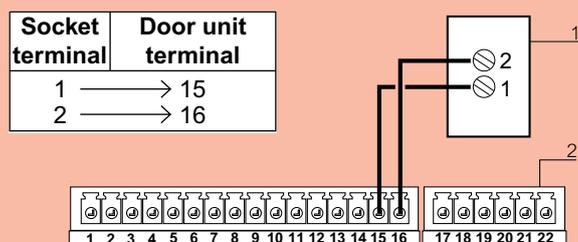
Comprises:

- **Socket Cat. No. 0 771 50**
- **Shunt plug Cat. No. 0 782 07 :**
For biomedical alarm standby.
Used with socket Cat. No. 0 771 50.

Technical characteristics

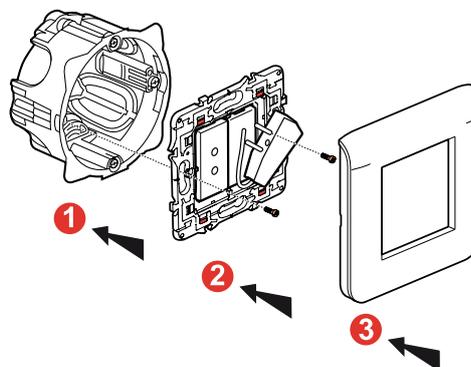
- Power supply: via door units
Cat. No. 0 766 06 or 0 766 07
- Operating temperature: 5 to 40°C
- Protection index: IP 20
- Overall dimensions (H x W): 45 x 22.5 mm
- Installation:
 - in 1-gang flush-mounting box with universal Batibox support Cat. No. 0 802 51
 - surface-mounted with frame Cat. No. 802 81 and universal Batibox support Cat. No. 0 802 51
 - can be installed in ducting, strips or bedhead trunking units

Connection

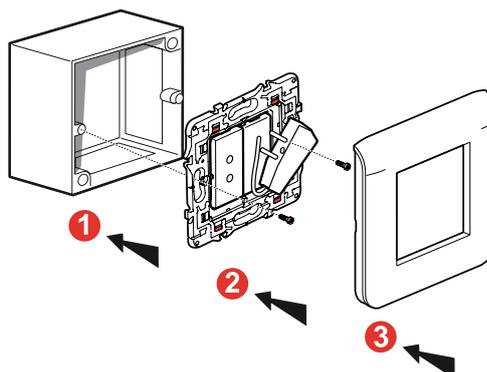


- 1 Biomedical call socket terminal block: 0 771 50
2 Door unit terminal block: 0 766 06/07

Flush-mounted wall installation in 1-gang flush-mounting box with support Cat. No. 0 802 51



Flush-mounted wall installation in 1-gang flush-mounting box with support Cat. No. 0 802 51



Device presentation and installation (continued)

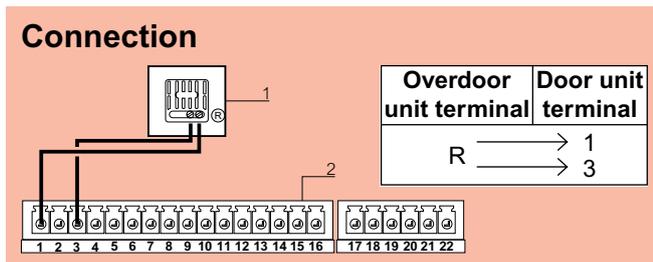


CORRIDOR OVERDOOR LIGHT UNITS

Ensures that room status information is transferred into the corridor.
For installation above doors.

Call only corridor light unit Cat. No. 0 766 71

For call signalling (1 call).

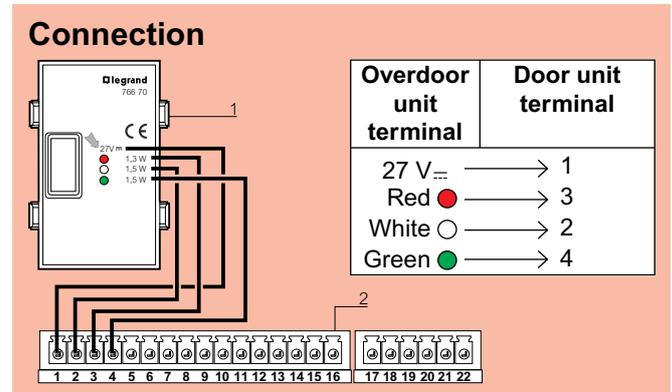


- 1 Overdoor light unit terminal block: 0 766 71
- 2 Door unit terminal block: 0 766 06/07

Corridor call and nurse presence light unit Cat. No. 0 766 70 and 0 766 76

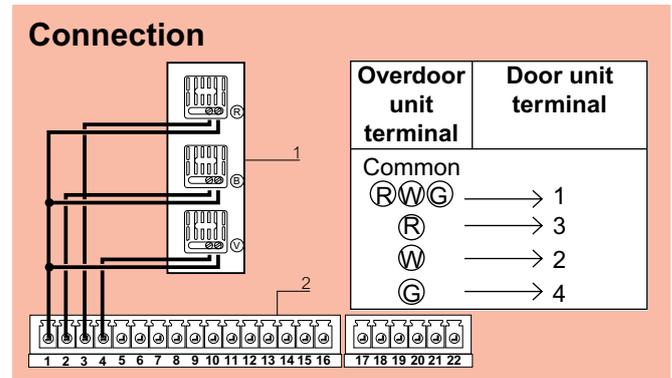
Indicates calls, bathroom calls and nurse presence.
Triangular LED light units.
Recommended for compliance with VDE 0834-1, 0834-2 and DIN 41050 standards.

Cat. No. 0 766 70



- 1 Monobloc overdoor light unit terminal block: 0 766 70
- 2 Door unit terminal block: 0 766 06/07

Cat. No. 0 766 76



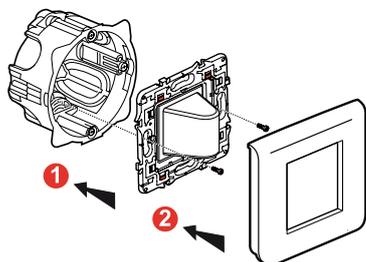
- 1 Red, white, green overdoor light unit terminal block: 0 766 76
- 2 Door unit terminal block: 0 766 06/07

Technical characteristics

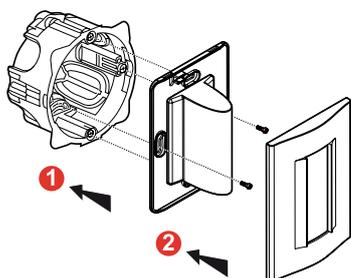
- Power supply: 27 V_~ (via the indicator power supply)
- Operating temperature: 5 to 40°C
- Protection index: IP 20
- Dimensions (H x W):
 - 0 766 71: 82 x 82 mm
 - 0 766 70: 114 x 77.5 mm
 - 0 766 76: 153 x 82 mm
- Installation:
 - in flush-mounting box
 - 1-gang for Cat. No. 766 71
 - 1-gang for Cat. No. 766 70
 - 3-gang for Cat. No. 766 76
 - surface-mounted
 - With support frame Cat. No. 802 81 for Cat. No. 766 71
 - with support frame Cat. No. 802 83 for Cat. No. 766 76

Flush-mounted wall installation in flush-mounting box

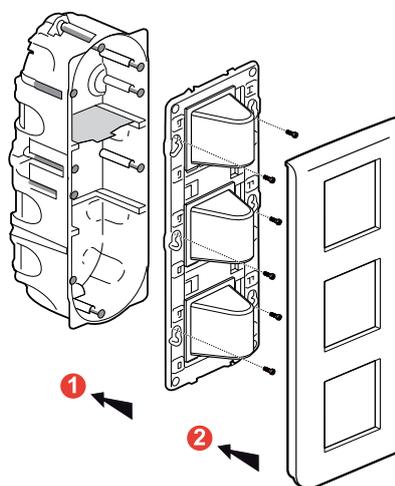
Principle for Cat. No. 0 766 71



Principle for Cat. No. 0 766 70

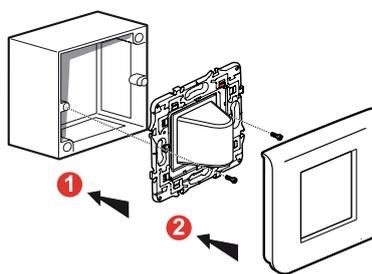


Principle for Cat. No. 0 766 76

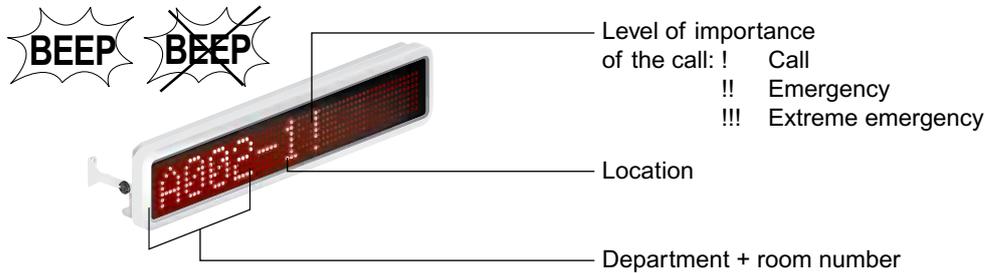


Surface-mounted wall installation with support frame

Principle for Cat. No. 0 766 71



Device presentation and installation (continued)



CORRIDOR DISPLAY UNITS CAT. NOS. 0 766 04 AND 0 766 05

Indication of calls and nurse presence by priority level.
For installation in the corridor.
Supplied with power supply and interface.

Single display Cat. No. 0 766 04 and double display Cat. No. 0 766 05

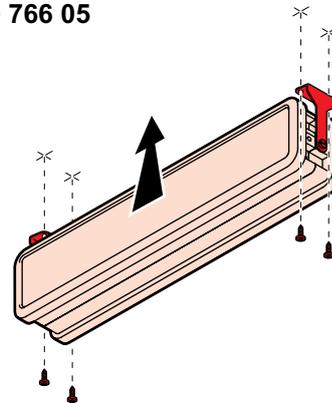
Technical characteristics

- Power supply: 27 V_{DC}
- Max. consumption: 0 766 04: 8 W
0 766 05: 16 W
- Operating temperature: 5 to 40°C
- Protection index: IP 42
- Dimensions (H x W x D): 108 x 518 x 47 mm (0 766 04)
108 x 515 x 94 mm (0 766 05)
- Installation:
 - in a suspended ceiling or on the wall
 - projecting using accessory Cat. No. 0 766 03
- Sound level: 55 dBA at 2 m

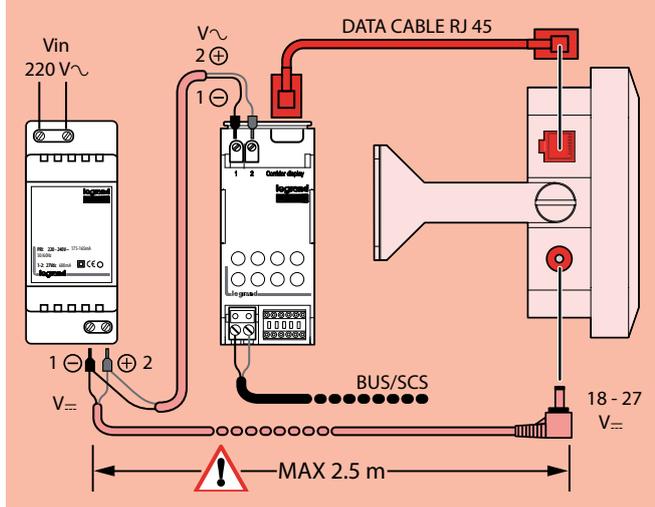
Wall installation of single display Cat. No. 0 766 04



Ceiling installation of the double display Cat. No. 0 766 05

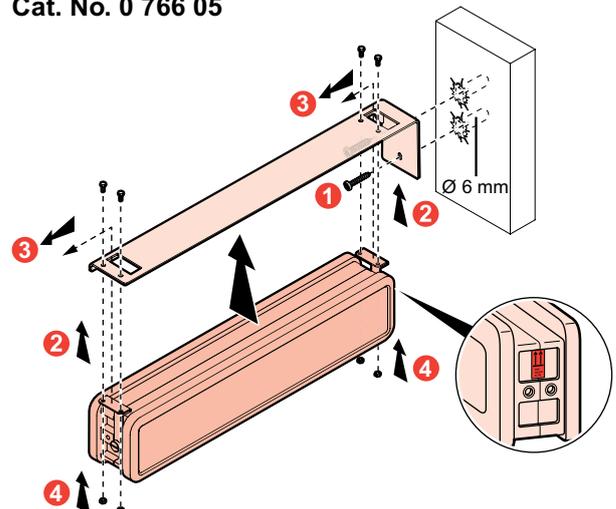


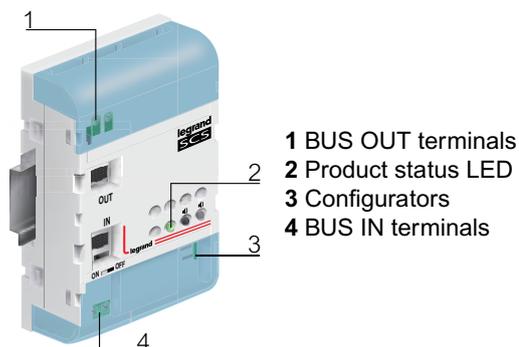
Connection



1 Virtual configuration button

Projecting installation of single display with accessory 0 766 03 Cat. No. 042 766 or double Cat. No. 0 766 05





BUS/SCS EXTENSION CAT. NO. 0 766 10

The BUS/SCS extension is used to communicate information between two BUS/SCS nurse call systems. It is used where departments are grouped together or for departments with more than 80 rooms. It has two bus linking terminals, marked IN and OUT. The front panel has a 'C' button for virtual configuration and an LED indicator:

- Correct power supply and configuration (on steady)
- Bus not connected (off)
- Missing or incorrect configuration (flashing)

⚠ No declaration button for the virtual configuration (use the ID).

Technical characteristics

- Power supply: 27 V_{DC}
- BUS power supply consumption during operation: 40 mA
- Operating temperature: 5 to 40°C
- Size: 4 DIN modules

Gateway version: Within a building, enables the number of departments (floors) to be increased by connecting to the vertical BUS (see installation example p. 4). Maximum of: 14 products connected on the vertical bus.

Repeater version: Within a department, (Cat. No. 0 766 11) allows extension of the length of the BUS/SCS or an increase in the number of rooms. Maximum of: 2 products per bus (on each level).

TRACEABILITY SOFTWARE CAT. NO. 0 766 18

This software is used for storing events, recording their dates and times, and classifying them according to type (calls, nurse presence, acknowledgement, etc.). For installation on a PC connected to the traceability interface Cat. No. 0 766 17 via the USB (type A) - mini USB (type A) cable.

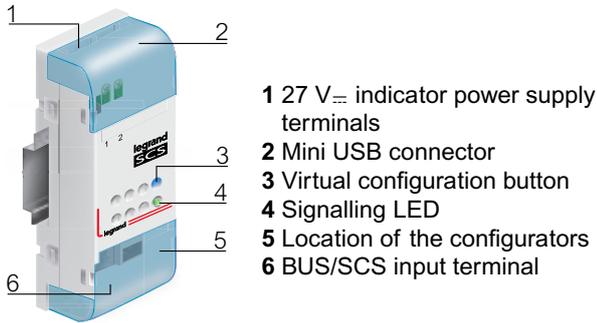
The software can be installed on several computers.

Minimum configuration required

- PC with Pentium processor (1 GHz minimum)
- 512 MB (XP) or 1 GB (Vista/7) of RAM
- SVGA graphics card with 800 x 600 resolution in 256 colours
- 500 MB of hard disk space
- CD-ROM drive
- Mouse
- Windows XP 32-bit Service Pack 2, Vista 32 and 64-bit, Windows 7 32 and 64-bit
- Microsoft .NET Framework 4.0

⚠ The instructions for the traceability software can be found on the software CD.

Device presentation and installation (continued)



- 1 27 V_~ indicator power supply terminals
- 2 Mini USB connector
- 3 Virtual configuration button
- 4 Signalling LED
- 5 Location of the configurators
- 6 BUS/SCS input terminal

TRACEABILITY INTERFACE CAT. NO. 0 766 17

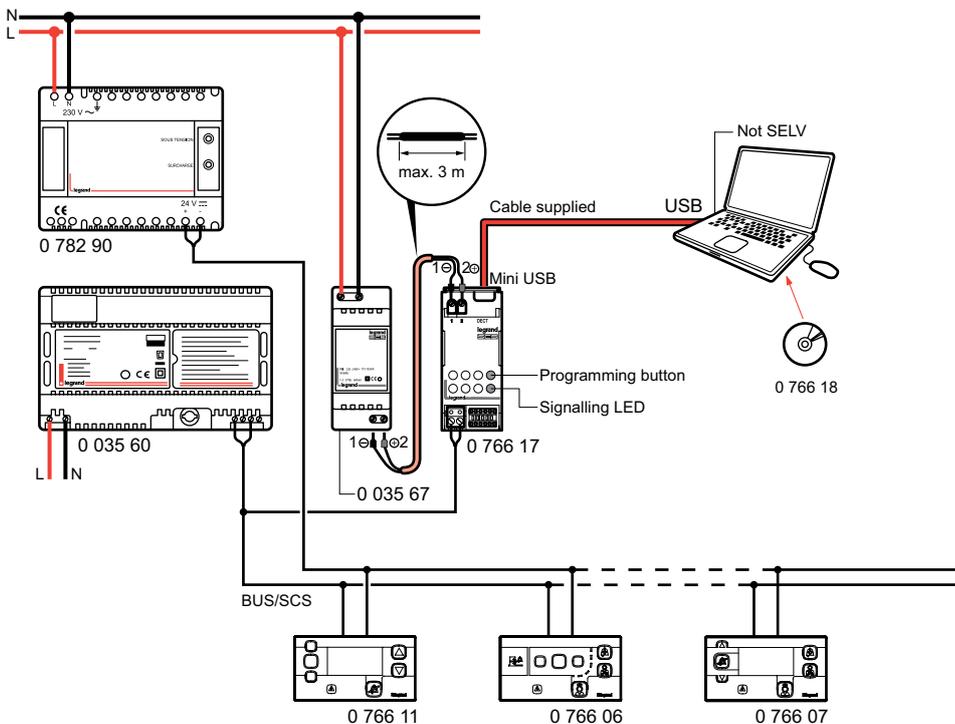
All events can be stored on this interface (up to 100,000 events: calls from patient rooms, calls from bathrooms, nurse presence and mute setting, biomedical alarm, faulty system, etc.) having taken place in a zone. The information is saved directly onto the device. The data can be downloaded or sent via RSS feed using software Cat. No. 0 766 18 via the USB port.

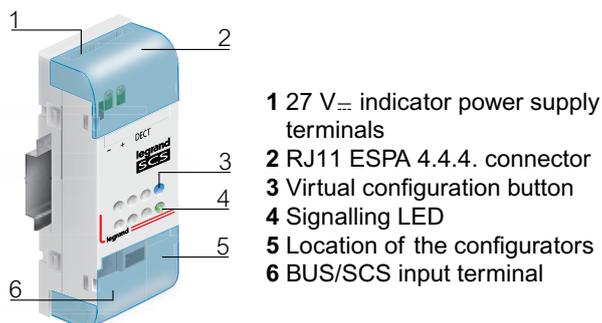
Above the 100,000th event either the records are blocked, or the oldest records are overwritten, depending on the configuration chosen. One interface must be installed per department.

USB (type A) - mini USB (type A) cable supplied (length 2 m).

Technical Characteristics

- Power supply: 27 V_~
- Indicator power supply consumption: 30 mA
- Bus power supply consumption: 4.5 mA
- Operating temperature: 5 to 40°C
- Size: 2 DIN modules





DECT INTERFACE CAT. NO. 0 766 19

This interface allows events to be transferred from the BUS system to the DECT system using the ESPA 4.4.4. protocol.

One interface must be installed per department.

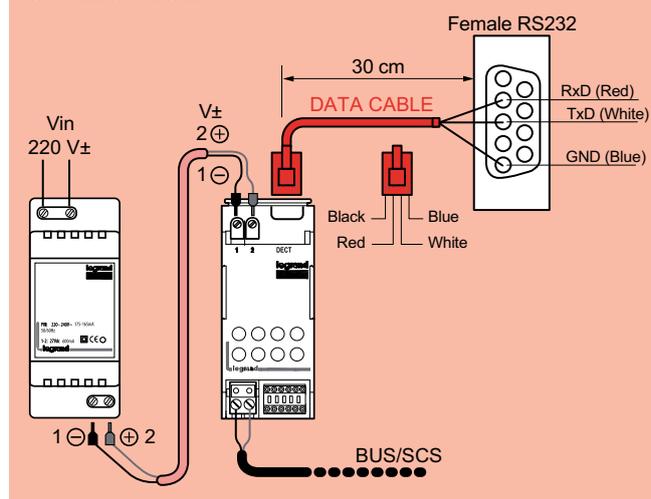
Technical characteristics

- Power supply: 27 V_~
- Indicator power supply consumption: 30 mA
- Bus power supply consumption: 4.5 mA
- Operating temperature: 5 to 40°C
- Size: 2 DIN modules

Communication parameters

- Speed: 9600 bauds
- Data bits: 7
- Parity: even
- Bit stop: 1

Connection



The DATA cable is supplied with a 30 cm cord and a female RS232. The RS232 can be replaced by an RJ 45. It is also possible to replace the DATA cable with a longer cord (max. length 5 m). For longer lengths, use interface units (RS232 → IP, RS232 → RS485, etc.) and connect them to the digital infrastructure of the building.

Device presentation and installation (continued)

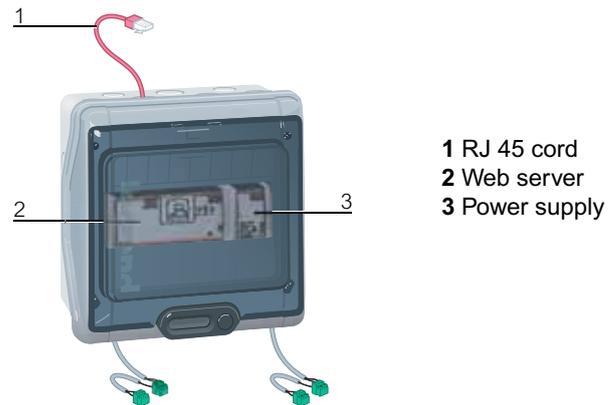


NURSE CALL CONFIGURATOR SOFTWARE CAT. NO. 0 766 15

This software is used for virtual configuration of the installation.
Used with the configuration kit Cat. No. 0 766 16.

Minimum configuration required

- PC with Pentium processor (2 GHz minimum)
- 512 MB (XP) or 1 GB (Vista/7) of RAM
- SVGA graphics card with 800 x 600 resolution in 256 colours
- 500 MB of hard disk space
- CD-Rom reader
- Mouse
- Windows XP 32-bit Service Pack 2, Vista 32 and 64-bit
- Microsoft .NET Framework 3.5



CONFIGURATION KIT CAT. NO. 0 766 16

This kit is used for configuring the hospital system products.
For this it must be connected to a PC equipped with the Nurse Call Configurator software (0 766 15).
It can be used outside the installation (as stand-alone) or connected to the existing installation.

Technical characteristics

- Supply voltage: 220 - 240 V \sim - 50/60 Hz
- Output voltage: 27 V \equiv
- Operating temperature: 0°C to + 45°C
- Conforms to NF C 15-100



BUS/SCS POWER SUPPLY CAT. NO. 0 035 60 OR E46ADCN

The power supply should be used to power the system's communication bus (BUS/SCS). It also allows operation in degraded mode, if the indicator power supply is no longer provided. This way, BUS communication remains operational, but without the local indicators.
Double-insulated SELV safety device.

Technical characteristics

- Supply voltage: 230 V \sim \pm 10% – 50/60 Hz
- BUS output voltage: 27 V \equiv
- Max. BUS current: 1.2 A
- Max. dissipated power: 11 W
- Max. consumption: 43.4 W
- Operating temperature: 5 to 40°C
- Protection index: IP 30
- Size: 8 DIN modules



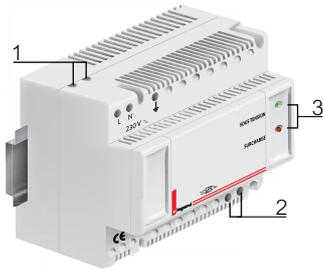
BUS/SCS POWER SUPPLY FOR INTER- PHONES CAT NO. 0 634 35 OR 346000

The power supply should be used to power the system's communication bus (BUS/SCS) in instances of an installation with an interphone unit. It also allows operation in a degraded mode, if the indicator power supply is no longer provided. This way the bus communication remains operational, but without the local indicators.
Double-insulated SELV safety device.

Technical characteristics

- Supply voltage: 230 V \sim
- BUS output voltage: 27 V \equiv
- Max. BUS current: 1.2 A
- Max. dissipated power: 11 W
- Max. consumption: 43.4 W
- Operating temperature: 5 to 40°C
- Protection index: IP 30
- Size: 8 DIN modules

Device presentation and installation (continued)



- 1 Power supply input
- 2 Output
- 3 Signalling LED
 - Green LED = normal operation
 - Red LED = overload

INDICATOR POWER SUPPLY CAT. NO. 0 782 90

This power supply should be used to supply signalling indicators, door units, control units, corridor units, etc. Double-insulated SELV safety device.

Technical characteristics

- Supply voltage: 230 V \sim \pm 10% – 50/60 Hz
- Output voltage: 29 V \sim
- Max. current: 2 A
- Max. consumption: 64.5 W
- Operating temperature: 5 to 40°C
- Protection index: IP 30
- Size: 6 DIN modules



CABLE CAT. NO. 0 492 33

Halogen-free BUS/SCS cable used to connect communicating products in the nurse call system.

Technical characteristics

- Sheath colour: white
- Outside diameter: max. 5 mm
- Number of wires: 2 flexible twisted wires (white, blue)
- Wire cross-section: 0.5 mm²
- Electrical resistance: less than 72 Ω /km
- Operating temperature: -15°C to +70°C
- Length: 200 m



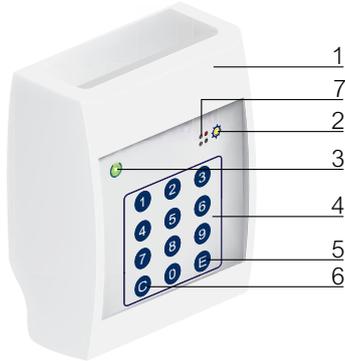
AUXILIARY POWER SUPPLY CAT. NO. 0 035 67

Used to power the DECT interface Cat. No. 0 766 19, the traceability interface Cat. No. 0 766 17 and corridor display units Cat. Nos. 0 766 04/05.

Technical Characteristics

- Supply voltage: 230 V \sim
- BUS output voltage: 27 V \equiv
- Max. BUS current: 600 mA
- Max. power: 21.5 W
- Max. consumption: 26.8 W
- Operating temperature: 5 to 40°C
- Protection index: IP 20
- Size: 2 DIN modules

Device presentation and installation (continued)



- 1 Bracelet activation magnet
- 2 Detection LED (orange)
- 3 Status LED (green)
- 4 Code keypad
- 5 Validation button
- 6 Correction button
- 7 Buzzer

SECURE WANDERING DEVICE

Indicates that a door has been crossed by a resident fitted with a bracelet Cat. No. 0 766 20.
Works with door unit Cat. No. 0 766 06 configured for secure wandering and allowing acknowledgement.

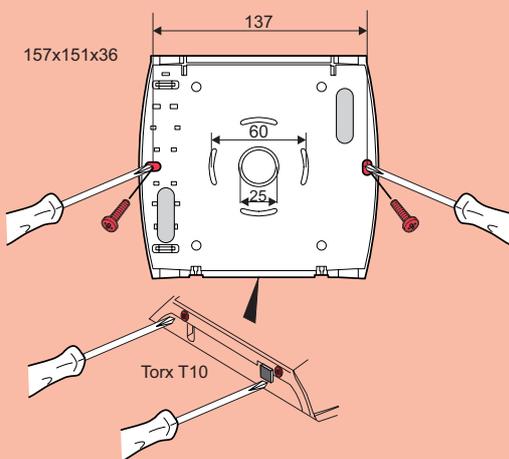
Door controller Cat. No. 0 766 22

The door controller retrieves data from the aerial Cat. No. 0 766 21 and from the door contact Cat. No. 0 431 00 and either issues a call for a nurse or locks the door, depending on its operating mode.
If the door is locked, it can be unlocked with the proper codes.
Coded keypad for capturing the bracelet's signal when a specific door has been crossed.
Requires a 12 V_{DC} modular power supply.

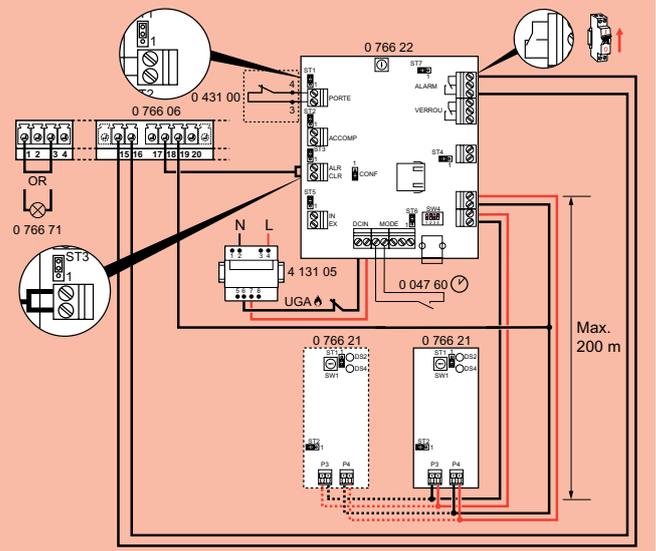
Technical characteristics

- Power supply: 12 V_{DC}
- Dimensions (H x W x D): 120 x 150 x 50 mm
- Wall-mounted with screws

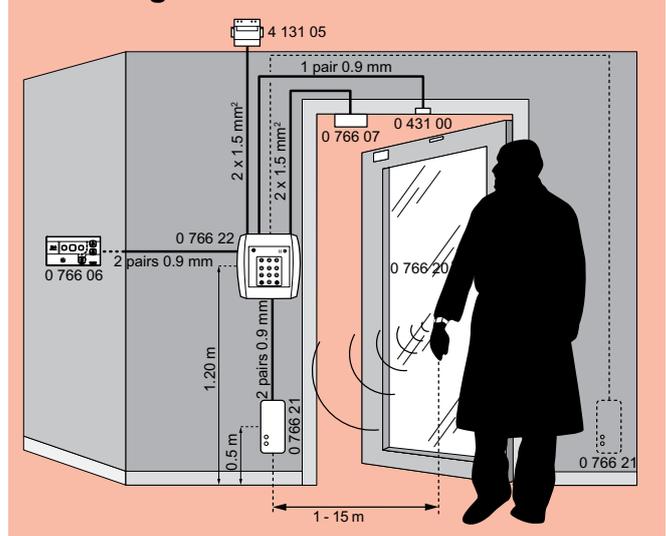
Bracket

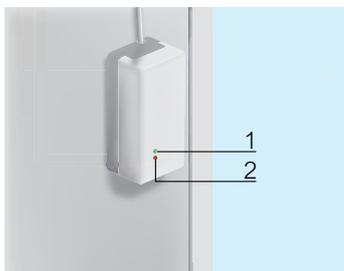


Connection



Mounting





- 1 Status LED (green)
- 2 Detection LED (red)



Aerial Cat. No. 0 766 21

Receives the bracelet's signal and transmits it to the controller Cat. No. 0 766 22. It is possible to adjust the aerial's range (approx. 1 to 15 m).

Technical characteristics

- Power supply: via the door controller Cat. No. 0 766 22
- Dimensions (H x W x D): 50 x 100 x 40 mm
- Wall-mounted with screws

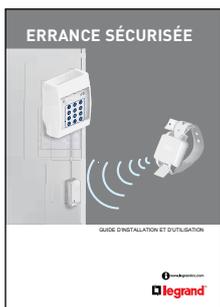
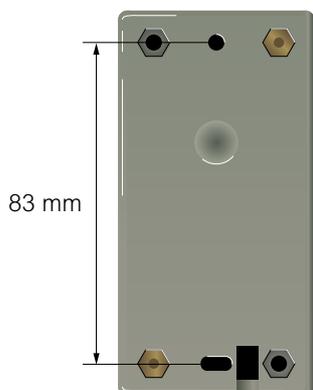
Bracelet Cat. No. 0 766 20

Fitted with 869 MHz radio transmitter. Permanent fixing. Product is activated by passing a magnet over it. Batteries should be changed each year.

Technical characteristics

- IP 55 - IK 08
- Anti-allergy
- Colour: white

Bracket



Operating modes

CALL + NURSE PRESENCE

This is the basic programme for all hospital signalling installations. It provides all essential functions as standard, and can be enlarged with Secure Wandering and Interphone functions.

Scenario 1: 1- Patient calls from room



The patient calls by pressing a button on the hand-held remote control unit.



The door unit signals the call and emits an audible alarm.

2- Nurse present in the room



The nurse signals her presence on the door unit.



The door unit stops the audible alarm.

3- Acknowledgement of the call by the nurse



The nurse signals that the call has been dealt with.



The door unit turns off.



The red indicator on the corridor light unit comes on with a steady light.



The corridor display unit signals the room issuing a call.



The nurses' station control unit signals the room issuing a call and emits an audible alarm.



The green indicator on the corridor light unit also comes on with a steady light.



The corridor display unit signals the presence of a nurse.



The nurses' station control unit signals the nurse presence in the room.



All the indicators on the corridor light unit turn off.



The corridor display unit no longer signals this call.



The nurses' station control unit no longer signals this call.

Operating modes (continued)

BATHROOM CALL + NURSE PRESENCE

Scenario 2:

1- The patient calls from the bathroom



The door unit signals the call and emits an audible alarm.

2- Nurse present in the room



The nurse signals her presence on the door unit.



The door unit stops the audible alarm.

3- Acknowledgement of the call by the nurse



The nurse signals that the call has been dealt with.



The door unit turns off.



The red and white indicators on the corridor light unit are steadily on.



The corridor display unit signals the room issuing a call (bathroom call indicated).



The nurses' station control unit signals the room issuing a call.



The green indicator on the corridor light unit also comes on with a steady light.



The corridor display unit signals the room with nurse presence.



The nurses' station control unit signals the nurse presence in the room.



All the indicators on the corridor light unit turn off.



The corridor display unit no longer signals this call.



The nurses' station control unit no longer signals this call.

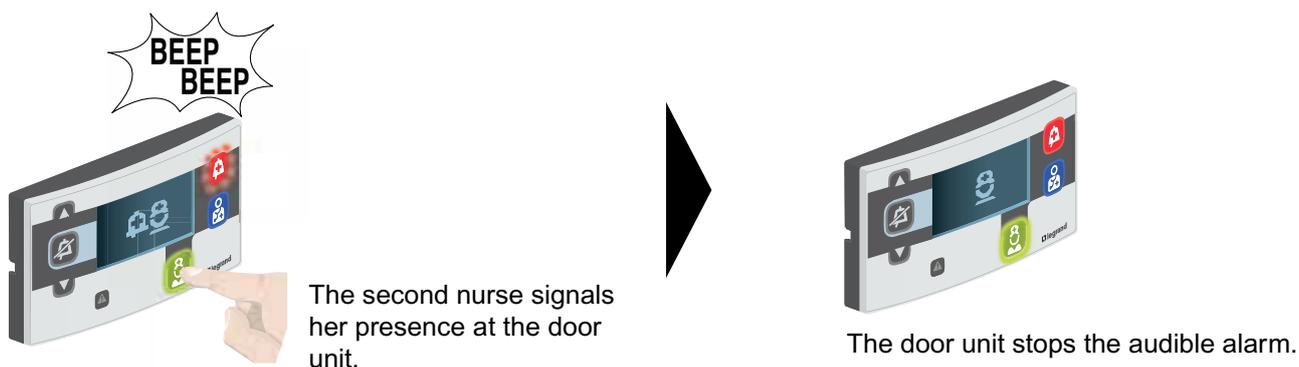
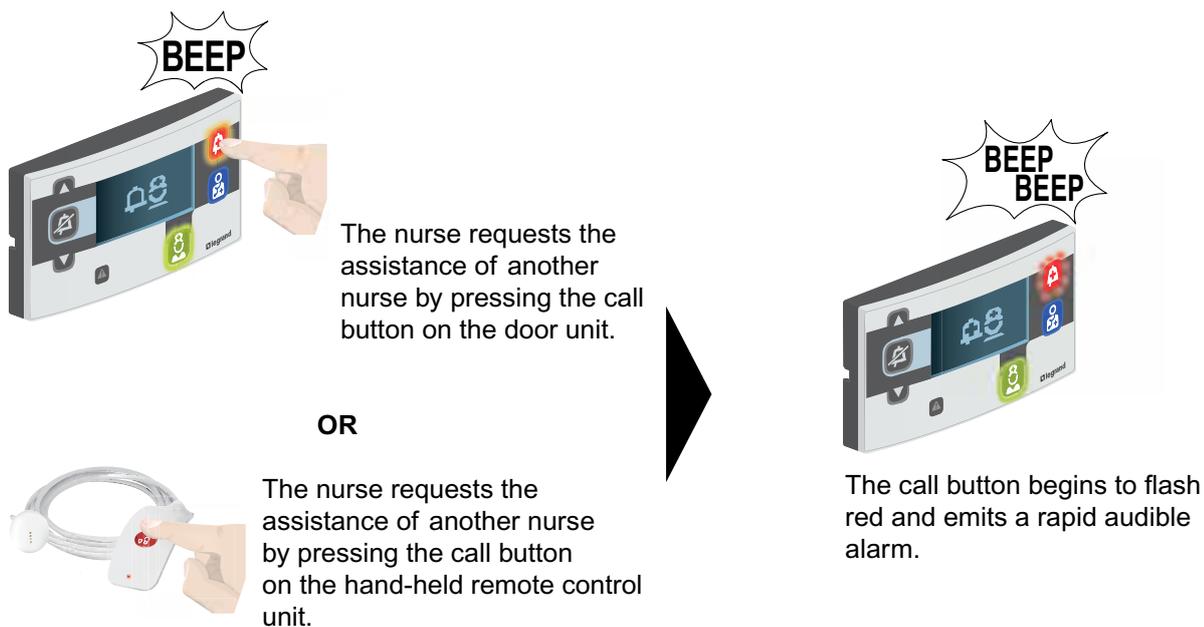
Operating modes (continued)

CALL + NURSE PRESENCE + NURSE ASSISTANCE

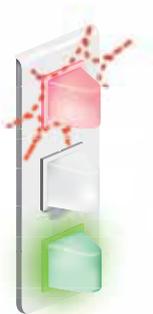
This is useful for the nurse when assistance is required following a patient's call.

Scenario 3:

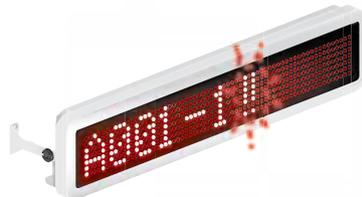
- 1- The patient calls from the room (see p. 40)
- 2- Presence of the nurse in the room (see p. 40)
- 3- The nurse requests assistance



5 - Acknowledgement of the call (see p. 40)



The red indicator flashes and the green indicator remains steadily on.



The corridor display unit signals the room issuing a call.



The nurses' station control unit signals the room issuing a call and emits a more rapid audible alarm.



The red and green indicators on the corridor light unit are steadily on.



The corridor display unit no longer signals this call.



The nurses' station control unit no longer signals this call.

Operating modes (continued)

CALL-FORWARDING BETWEEN ROOMS IN THE PRESENCE OF A NURSE

This is useful for the nurse when assistance is required following a patient's call.

Scenario 3:

- 1- The patient in room 001 calls for a nurse
- 2- The nurse goes to that room
- 3- A patient in room 002 calls for a nurse
- 4- Call forwarding between rooms: the call from room 002 is signaled to the nurse in room 001



The door unit signals the call from the room (indicating the room number on the display unit) and emits an audible alarm.



The door unit signals the call and emits an audible alarm.

5- The new call is recognised



The nurse signals recognition of the new call and the audible alarm is cut off.



The door unit signals the call. The audible alarm is cut off.

6 - Nurse presence in room 002 (see p. 40)

7 - The call is acknowledged (see p. 40)

or

- The nurse requests assistance (see p. 44)



The red indicator on the corridor light unit comes on with a steady light.



The corridor display unit signals the most recent call.



The nurses' station control unit signals the rooms issuing calls.



The red indicator on the light unit remains on.



The corridor display unit signals the room issuing a call.



The nurses' station control unit signals the room issuing a call.

Operating modes (continued)

PATIENT CALL WITH INTERPHONE INSTALLATION

1- Patient calls from room



The patient calls by pressing the hand-held remote control unit (see nurse call operation p. 36).



The nurses' station control unit signals the room issuing a call and emits an audible alarm.

2- End of call



Once the call has been dealt with, the nurse ends the conversation.



The nurses' station control unit continues to signal the call but stops the audible alarm.

OR

2b - Acknowledgement of the call by the nurse



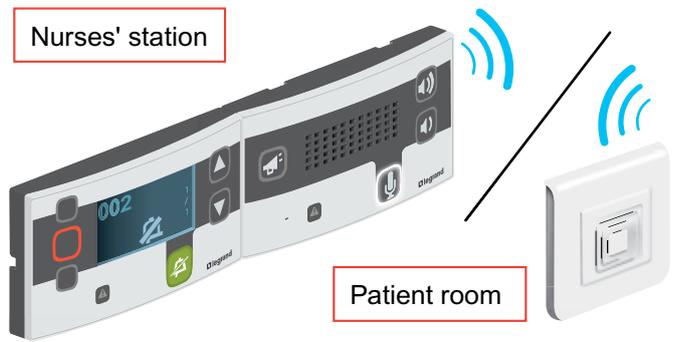
Once the conversation has finished, the nurse acknowledges the call.



The door unit switches off.



The nurse makes contact with the patient.



The nurse and the patient can talk.



The door unit continues to call but stops the audible alarm.

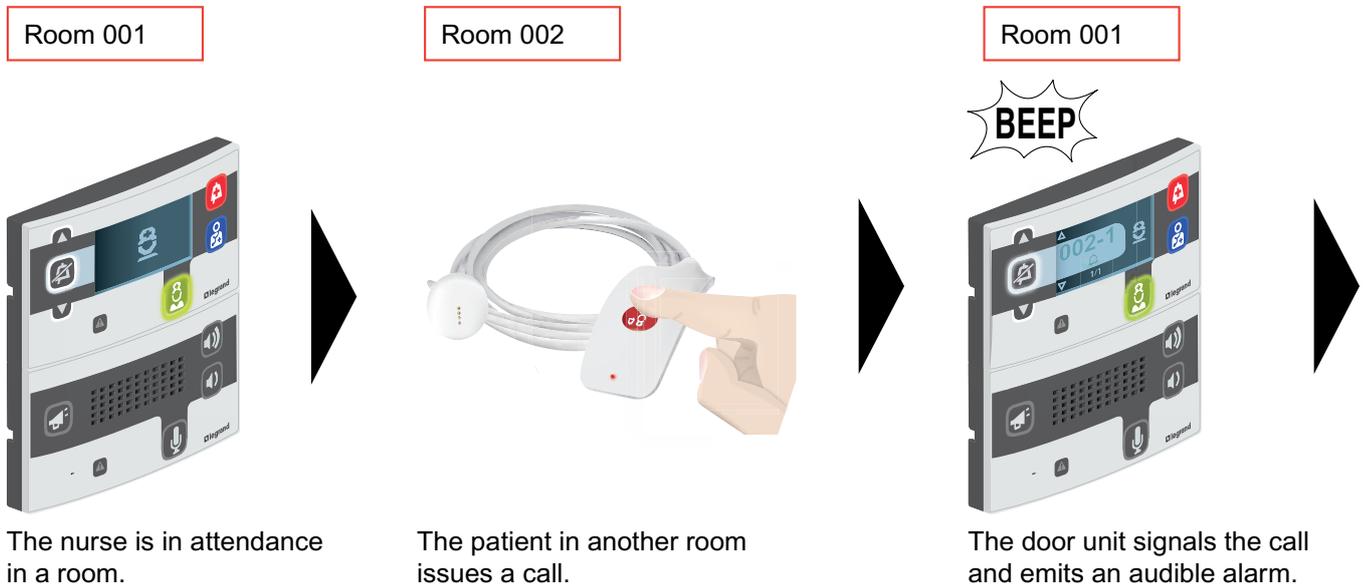


The nurses' station control unit no longer signals this call.

Operating modes (continued)

INTER-ROOM CALL (1)

1- Nurse in attendance in room 1 and call from the patient in room 2

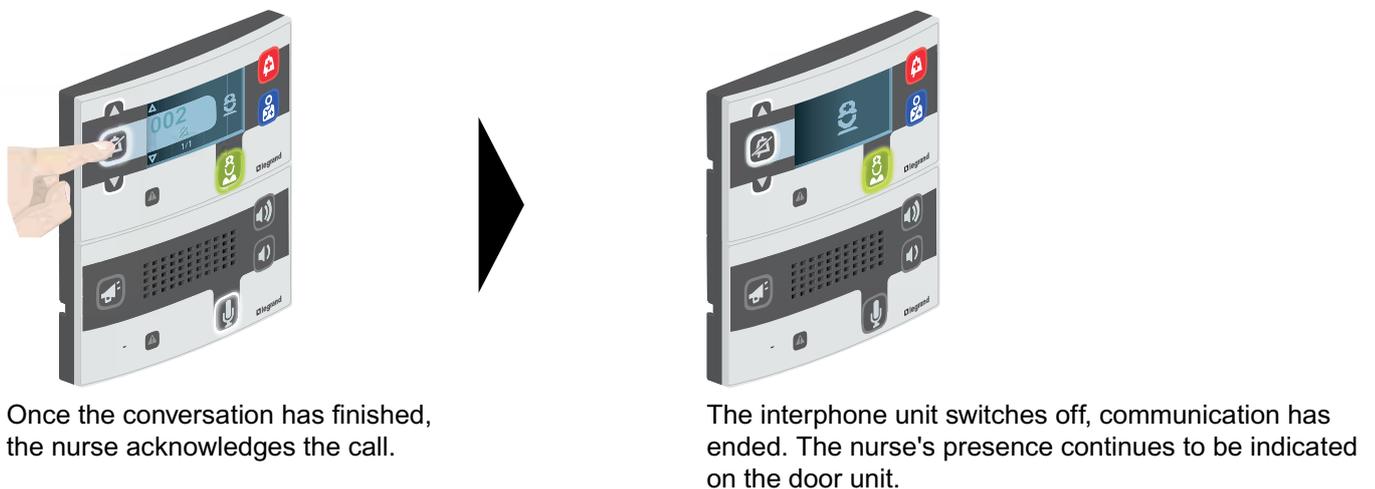


The nurse is in attendance in a room.

The patient in another room issues a call.

The door unit signals the call and emits an audible alarm.

2- Acknowledgement of the call by the nurse

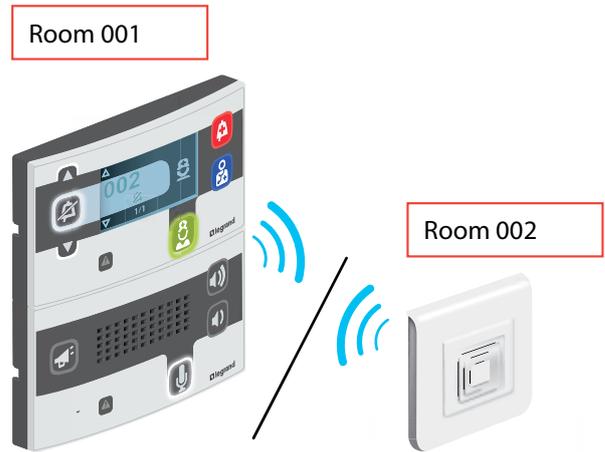


Once the conversation has finished, the nurse acknowledges the call.

The interphone unit switches off, communication has ended. The nurse's presence continues to be indicated on the door unit.



The nurse takes the call.

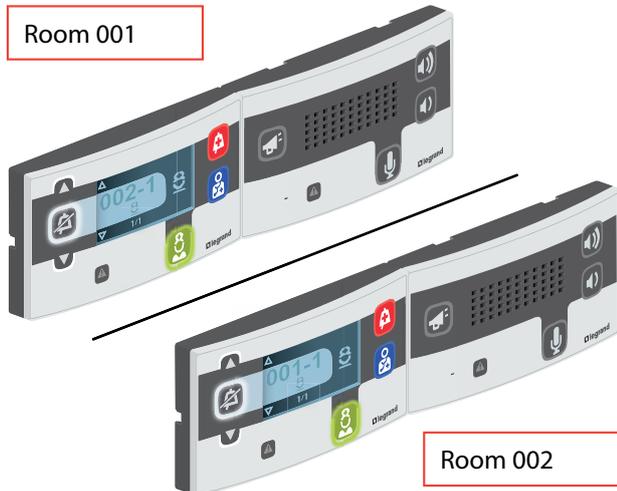


The nurse makes contact with the patient.

Operating modes (continued)

INTER-ROOM CALL (2)

1- Nurses simultaneously in attendance



Two nurses are in attendance in two different rooms.



The nurse in room 1 makes contact with the nurse in room 2.

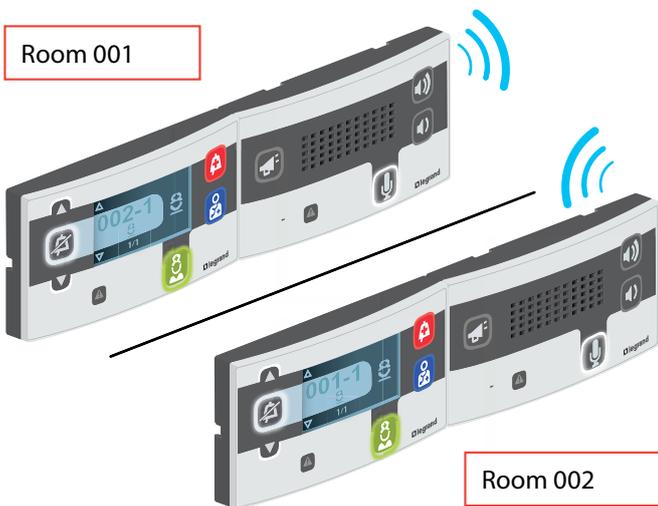
2- Acknowledgement of the call by the nurse



Once the conversation has ended, the nurse in room 1 ends the communication by pressing the microphone again.



The interphone units switch off, communication has ended. The presence of nurses continues to be indicated on the door units.

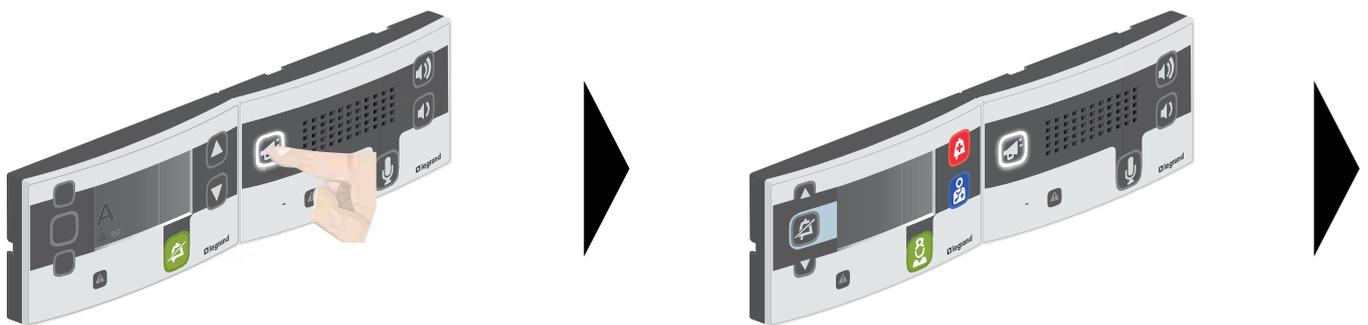


The two nurses can talk to each other.

Operating modes (continued)

GENERAL CALL

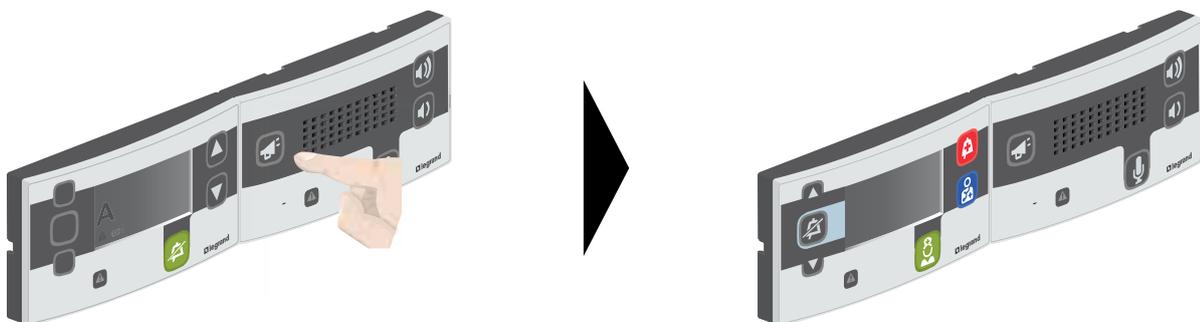
1- General call from the nurses' station



The nurse issues a general call from the nurse station control unit by holding down the megaphone button.

All the room door units signal the call.

2- End of general call



Once the call is complete, the nurse ends communication by releasing the megaphone button.

All the room door units switch off, communication has ended.



Calls are broadcast from the nurses' control unit to the door units of all rooms in the department.

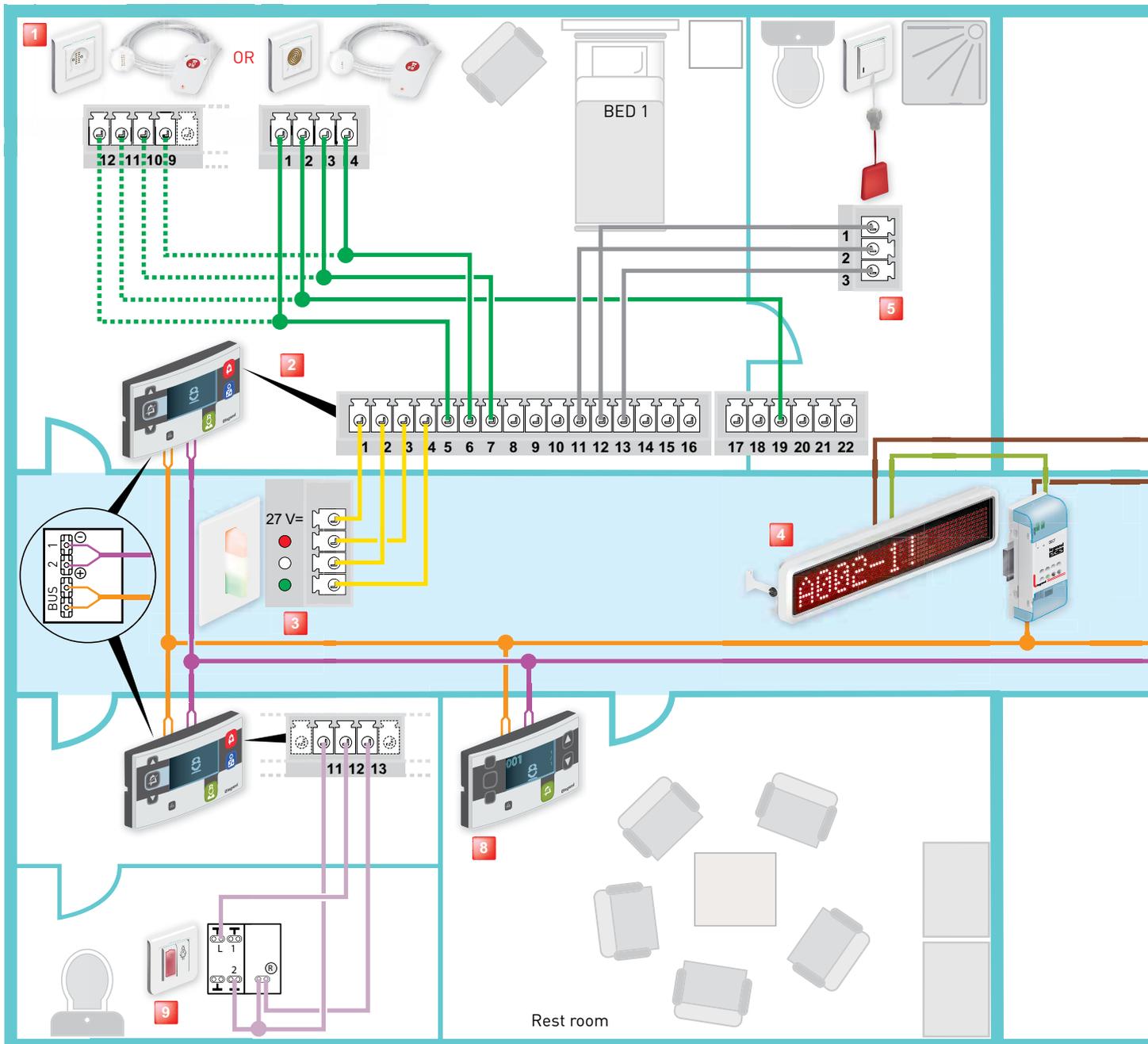
Call urgency/priority levels

PRIORITY	TYPE OF CALL	CONTROL	DISPLAY ON CORRIDOR OVERDOOR LIGHT UNIT	DISPLAY ON CONTROL UNIT
	Extreme emergency call from bathroom (blue code)	+ +	<i>Flashing quickly</i>	<i>BEEP BEEP BEEP</i>
	Extreme emergency call from patient room (blue code)	OR + +	<i>Flashing quickly</i>	<i>BEEP BEEP BEEP</i>
	Emergency call (assistance) bathroom	+ +	<i>Flashing slowly</i>	<i>BEEP BEEP</i>
	Emergency call (assistance) patient room	+ + OR OR	<i>Flashing slowly</i>	<i>BEEP BEEP</i>
	Escape alarm		<i>Flashing slowly</i>	<i>BEEP BEEP</i>
	Biomedical alarm		<i>Flashing slowly</i>	<i>BEEP BEEP</i>
	Bathroom call			<i>BEEP</i>
Patient room call	OR		<i>BEEP</i>	

CORRIDOR DISPLAY UNIT	DOOR UNIT WITH SCREEN	CALL LEVEL	PRIORITY
		Extreme emergency call	
		Emergency call 	
		Simple call 	

Wiring: call + nurse presence installation

⚠ Do not fully clip on the door units



1 Socket + hand-held control unit for call Cat. Nos. 0 782 45/47 + 0 782 42/44 or socket + hand-held control unit for call Cat. Nos. 0 782 41/46 + 0 782 40

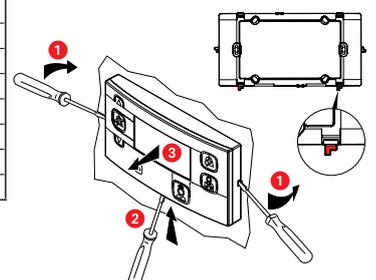
2 Door unit with display unit Cat. No. 0 766 07/06

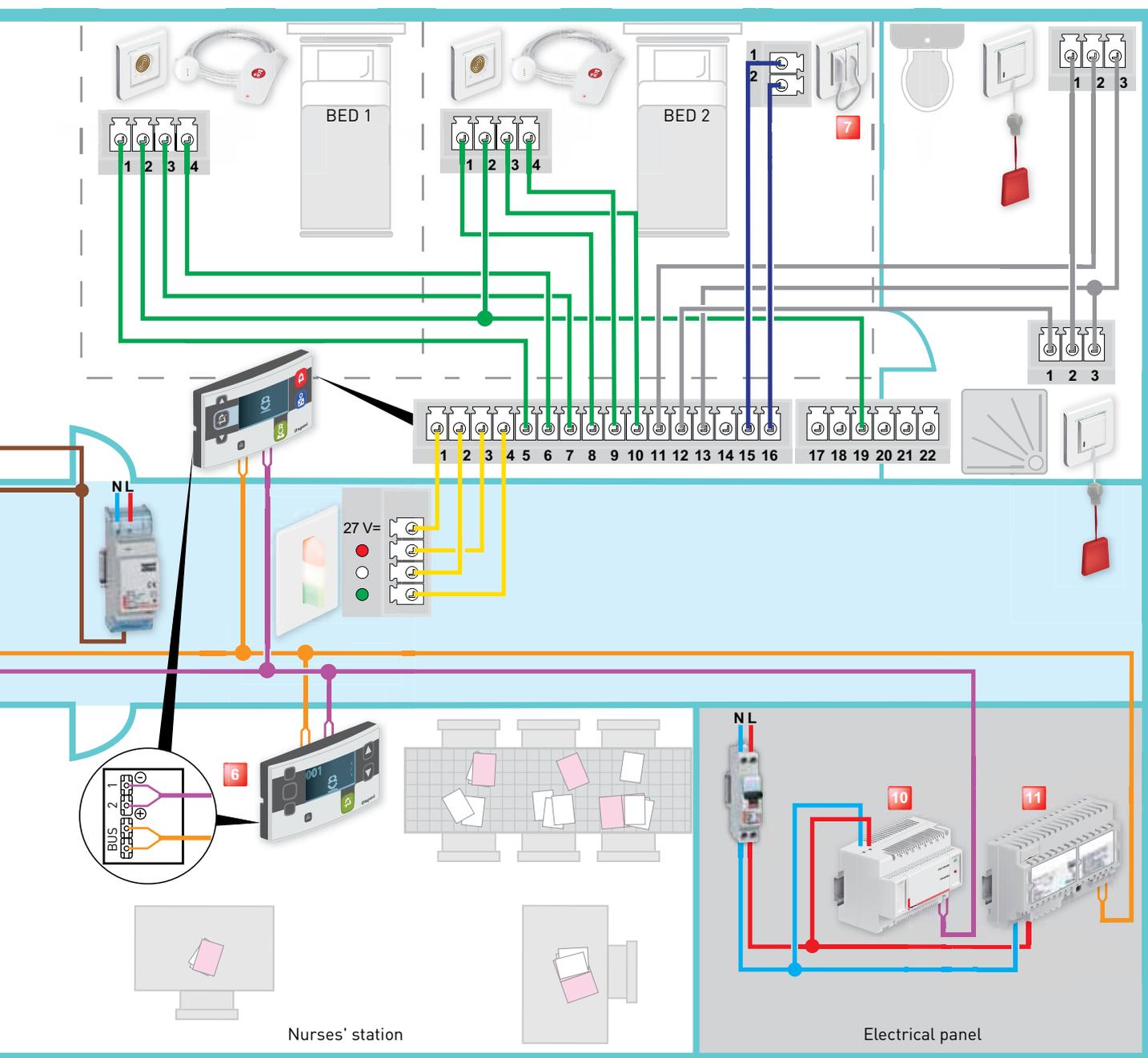
Terminal	Description	Terminal	Description
1	Lamp common	10	Bed 2 hand-held control unit call indicator
2	White lamp	11	Bathroom pull-cord common
3	Red lamp	12	Bathroom pull-cord contact
4	Green lamp	13	Bathroom pull-cord indicator
5	Bed 1 hand-held control unit common	14	Bathroom call acknowledgment button (option)
6	Bed 1 hand-held control unit call button	15	Biomedical contact common
7	Bed 1 hand-held control unit call indicator	16	Biomedical contact
8	Bed 2 hand-held control unit common	19	Beds 1 & 2 hand-held control unit backlighting
9	Bed 2 hand-held control unit call button		

If the monitor lights are not being used, replace them with a 100 kΩ/0.25 W resistor
 If the call contact is not being used, short-circuit the corresponding terminals

Removing the door unit

Support mounting direction





- 3** Monobloc corridor overdoor unit Cat. No. 0 766 70
- 4** Corridor display unit Cat. No. 0 766 04 with interface and power supply
- 5** Bathroom pull-cord Cat. No. 0 782 48
- 6** Main nurses' control unit Cat. No. 0 766 11
- 7** Biomedical alarm Cat. Nos. 0 771 50 + 0 782 07
- 8** Secondary nurses' control unit Cat. No. 0 766 09
- 9** Call unit Cat. No. 0 766 85
- 10** Indicator power supply Cat. No. 0 782 90
- 11** BUS/SCS power supply Cat. No. 0 035 60 or E46ADCN

— 1 pair 0.9 mm² polarised SYT indicator
— 1 pair Cat. No. 0 492 33 non-polarised

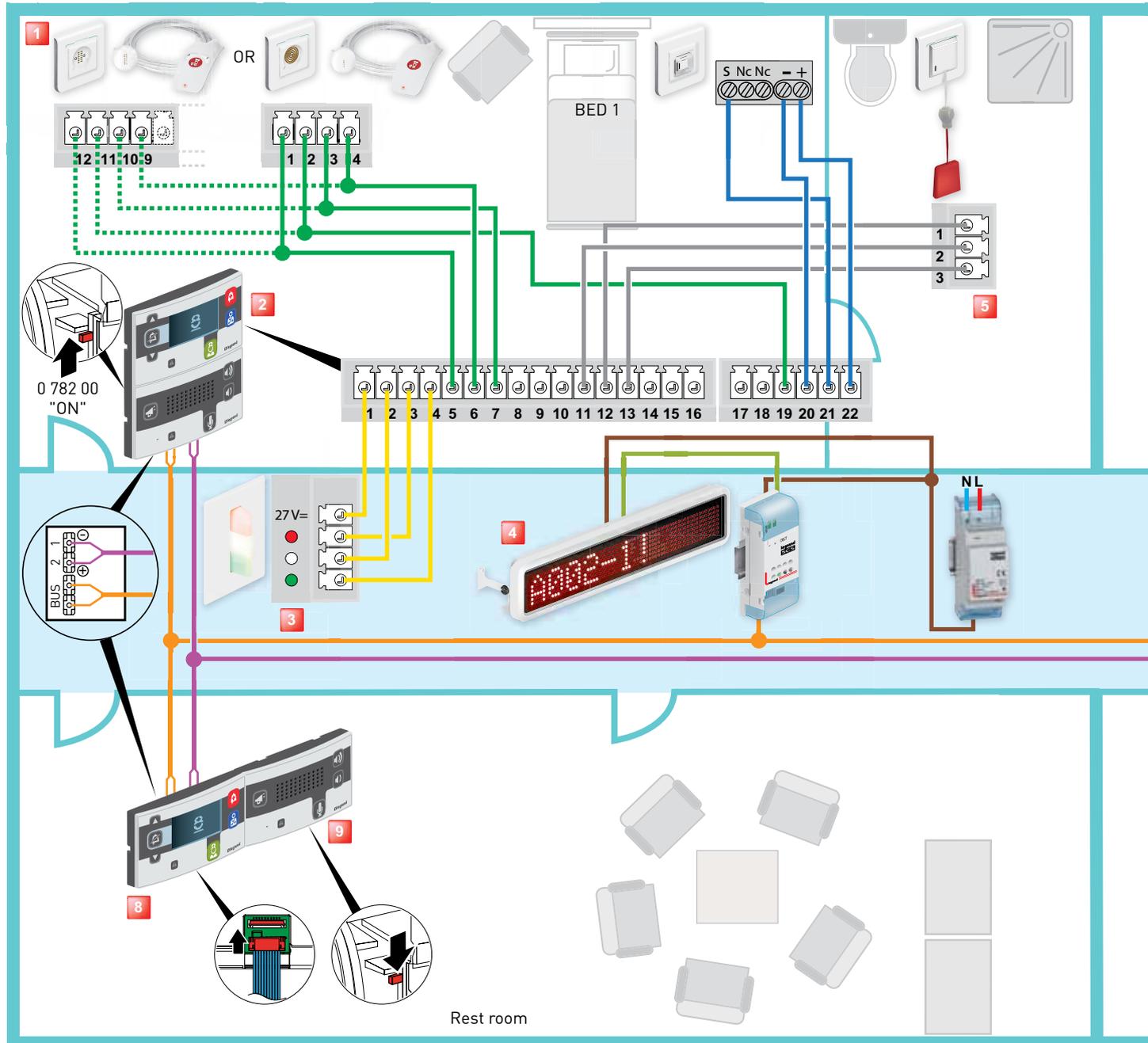
—
—
—
—
 } 2 or 3 pairs 0.6 or 0.9 mm² SYT

— } Supplied with the product

Star wiring recommended

Wiring: call + nurse presence installation with interphone

⚠ Do not fully clip on the door units



1 Socket + hand-held remote control unit for call Cat. Nos. 0 782 45/47 + 0 782 42/44 or socket + hand-held remote control unit for call Cat. Nos. 0 782 41/46 + 0 782 40

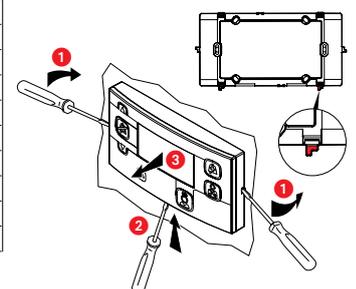
2 Door unit with display unit Cat. No. 0 766 07/06

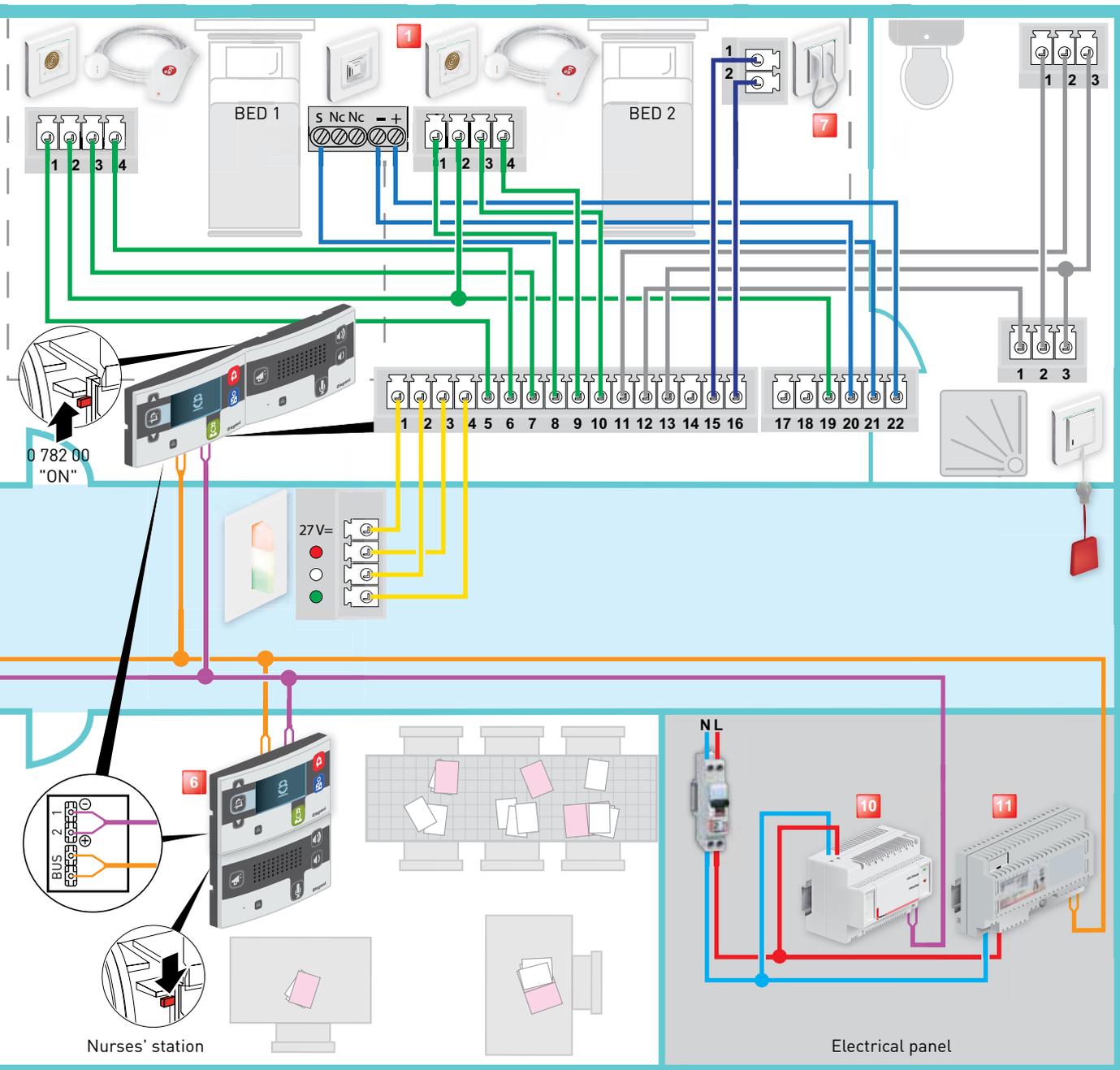
Terminal	Description	Terminal	Description
1	Lamp common	10	Bed 2 hand-held control unit call indicator
2	White lamp	11	Bathroom pull-cord common
3	Red lamp	12	Bathroom pull-cord contact
4	Green lamp	13	Bathroom pull-cord indicator
5	Bed 1 hand-held control unit common	14	Bathroom call acknowledgment button (option)
6	Bed 1 hand-held control unit call button	15	Biomedical contact common
7	Bed 1 hand-held control unit call indicator	16	Biomedical contact
8	Bed 2 hand-held control unit common	19	Beds 1 & 2 hand-held control unit backlighting
9	Bed 2 hand-held control unit call button	20	Microphone earth
		21	Microphone input
		22	Microphone + 27 V

If the monitor lights are not being used, replace them with a 100 kΩ/0.25 W resistor
 If the call contact is not being used, short-circuit the corresponding terminals

Removing the door unit

Support mounting direction





- | | | |
|---|--|---|
| 3 Monobloc corridor overdoor unit
Cat. No. 0 766 70 | 6 Main nurses' control unit Cat. No. 0 766 11 | 9 Interphone unit Cat. No. 0 766 08 |
| 4 Corridor display unit Cat. No. 0 766 04
with interface and power supply | 7 Biomedical alarm
Cat. Nos. 0 771 50 + 0 782 07 | 10 Indicator power supply Cat. No. 0 782 90 |
| 5 Bathroom pull-cord Cat. No. 0 782 48 | 8 Secondary nurses' control unit
Cat. No. 0 766 09 | 11 BUS/SCS power supply
Cat. No. 0 634 35 or 346000 |

- 1 pair 0.9 mm² polarised SYT indicator
- 1 pair Cat. No. 0 492 33 non-polarised

- } 2 or 3 pairs 0.6 or 0.9 mm² SYT

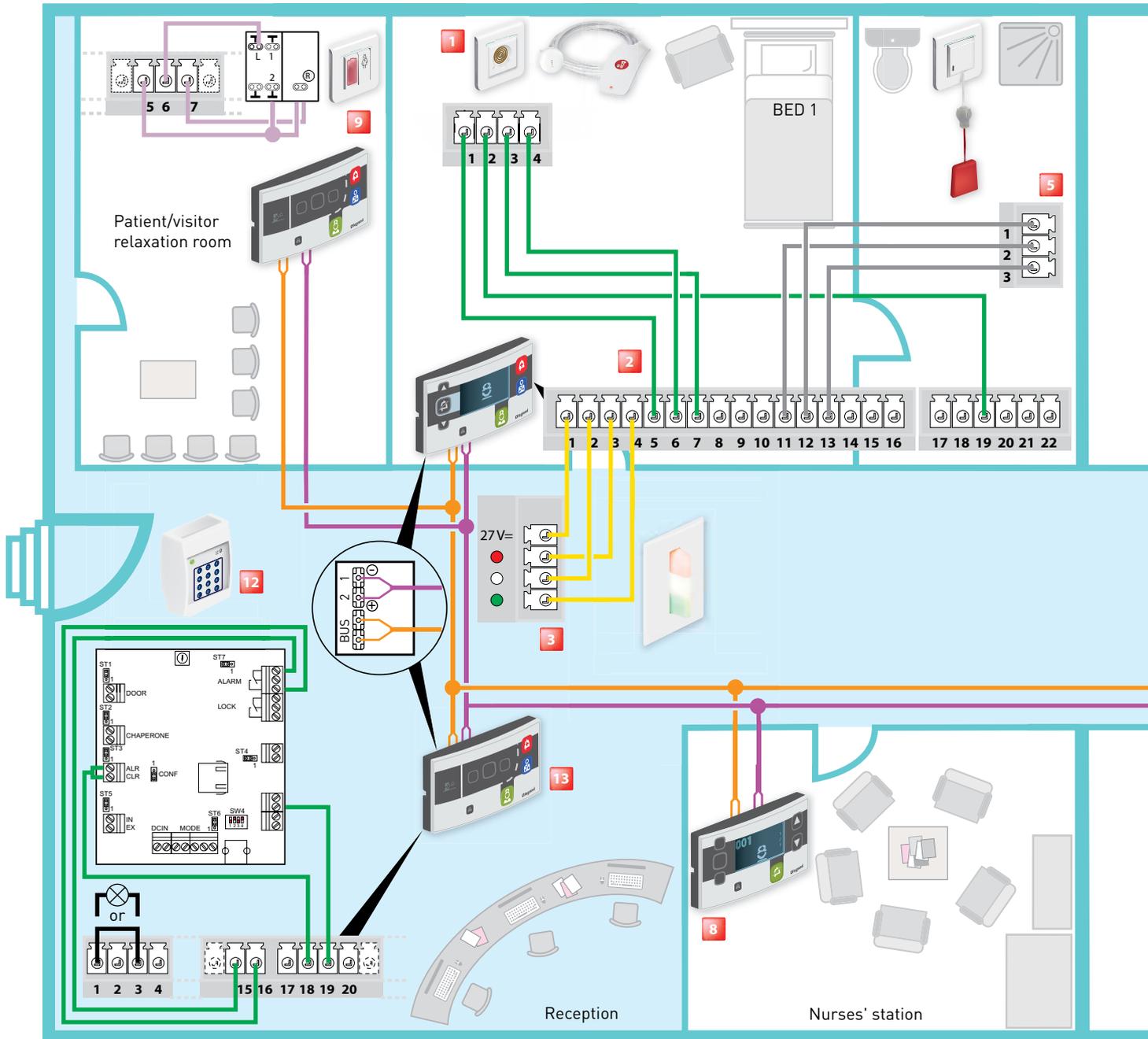
- } Supplied with the product

Star wiring recommended

In the interphone version, the bus power supply must be used, Cat. No. 0 634 35/346000

Wiring: secure wandering installation with call

⚠ Do not fully clip on the door units

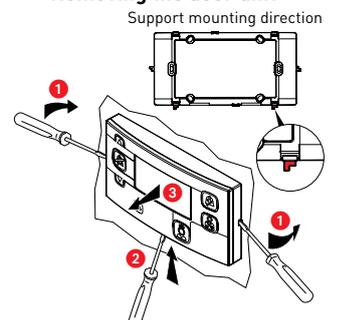


- 1** Socket + hand-held control unit for call Cat. Nos. 0 782 45/47 + 0 782 42/44 or socket + hand-held control unit for call Cat. Nos. 0 782 41/46 + 0 782 40
- 2** Door unit with display unit Cat. No. 0 766 07/06
- 3** Monobloc corridor overdoor unit Cat. No. 0 766 70
- 4** Corridor display unit Cat. No. 0 766 04 with interface and power supply
- 5** Bathroom pull-cord Cat. No. 0 782 48

Terminal	Description	Terminal	Description
1	Lamp common	10	Bed 2 hand-held control unit call indicator
2	White lamp	11	Bathroom pull-cord common
3	Red lamp	12	Bathroom pull-cord contact
4	Green lamp	13	Bathroom pull-cord indicator
5	Bed 1 hand-held control unit common	14	Bathroom call acknowledgment button (option)
6	Bed 1 hand-held control unit call button	15	Biomedical contact common
7	Bed 1 hand-held control unit call indicator	16	Biomedical contact
8	Bed 2 hand-held control unit common	19	Beds 1 & 2 hand-held control unit backlighting
9	Bed 2 hand-held control unit call button		

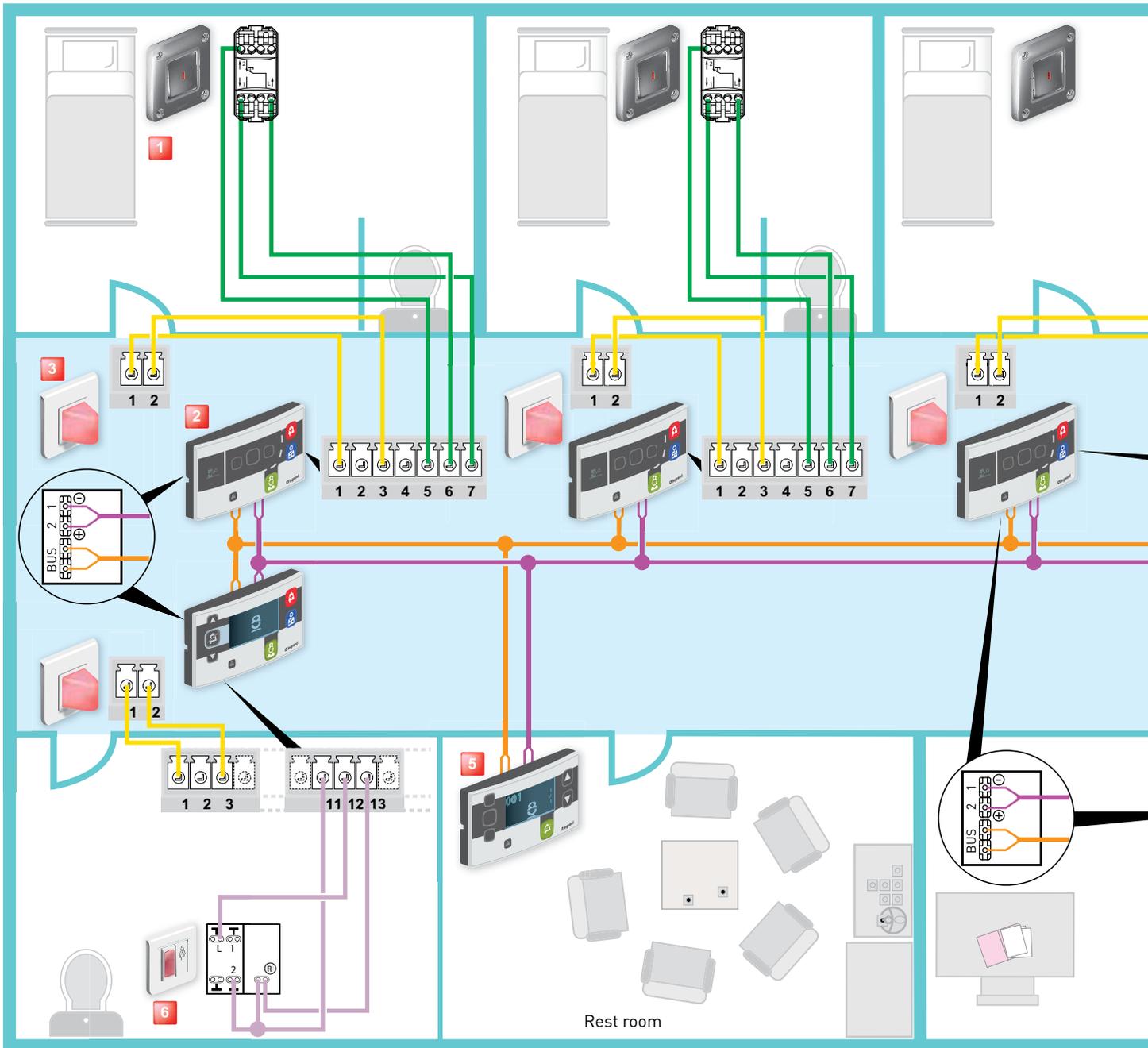
If the monitor lights are not being used, replace them with a 100 kΩ/0.25 W resistor
If the call contact is not being used, short-circuit the corresponding terminals

Removing the door unit



Wiring: prison/psychiatric call installation

⚠ Do not fully clip on the door units

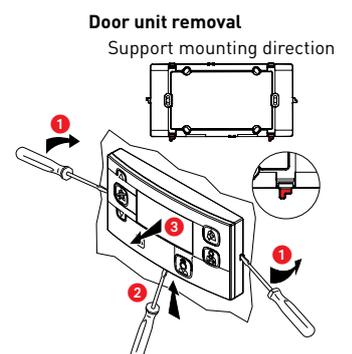


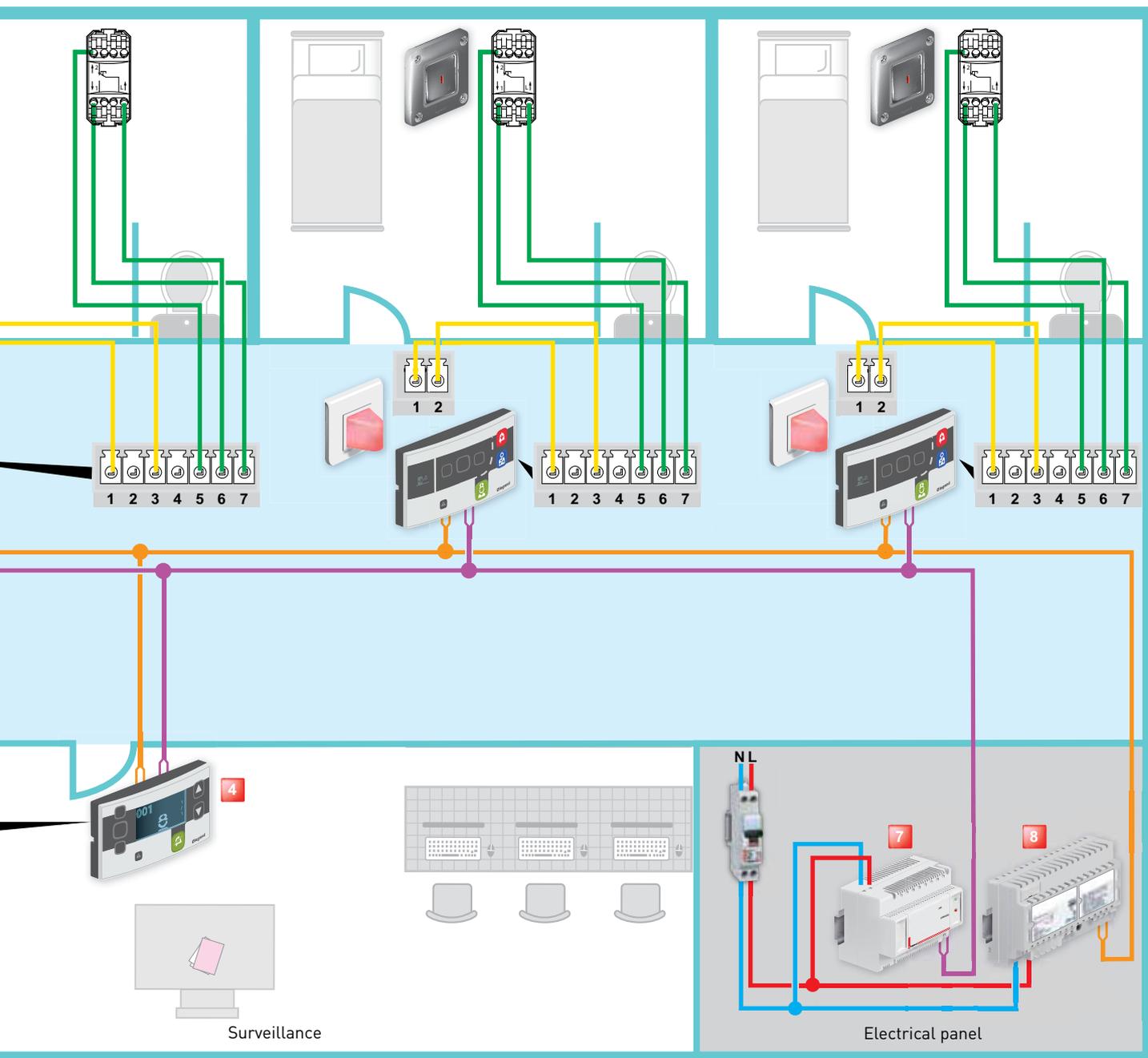
1 High-resistance call unit Cat. No. 0 782 51

2 Door unit Cat. No. 0 766 06

Terminal	Description	Terminal	Description
1	Lamp common	10	Push-button 2 call indicator
2	White lamp	11	Bathroom pull-cord common
3	Red lamp	12	Bathroom pull-cord contact
4	Green lamp	13	Bathroom pull-cord indicator
5	Push-button 1 common	14	Bathroom call acknowledgment button (option)
6	Push-button 1 call button	15	Biomedical contact common
7	Push-button 1 call indicator	16	Biomedical contact
8	Push-button 2 common		
9	Push-button 2 call button		

If the monitor lights are not being used replace them with a resistance of 100 k Ω /0.25 W
If the call contact is not being used, short-circuit the corresponding terminals





3 Monobloc corridor overdoor unit Cat. No. 0 766 71

6 Call unit Cat. No. 0 766 85

4 Main surveillance control unit Cat. No. 0 766 11

7 Indicator power supply Cat. No. 0 782 90

5 Secondary surveillance control unit Cat. No. 0 766 09

8 BUS/SCS power supply Cat. No. 0 035 60 or E46ADCN

— 1 pair 0.9 mm² polarised SYT indicator



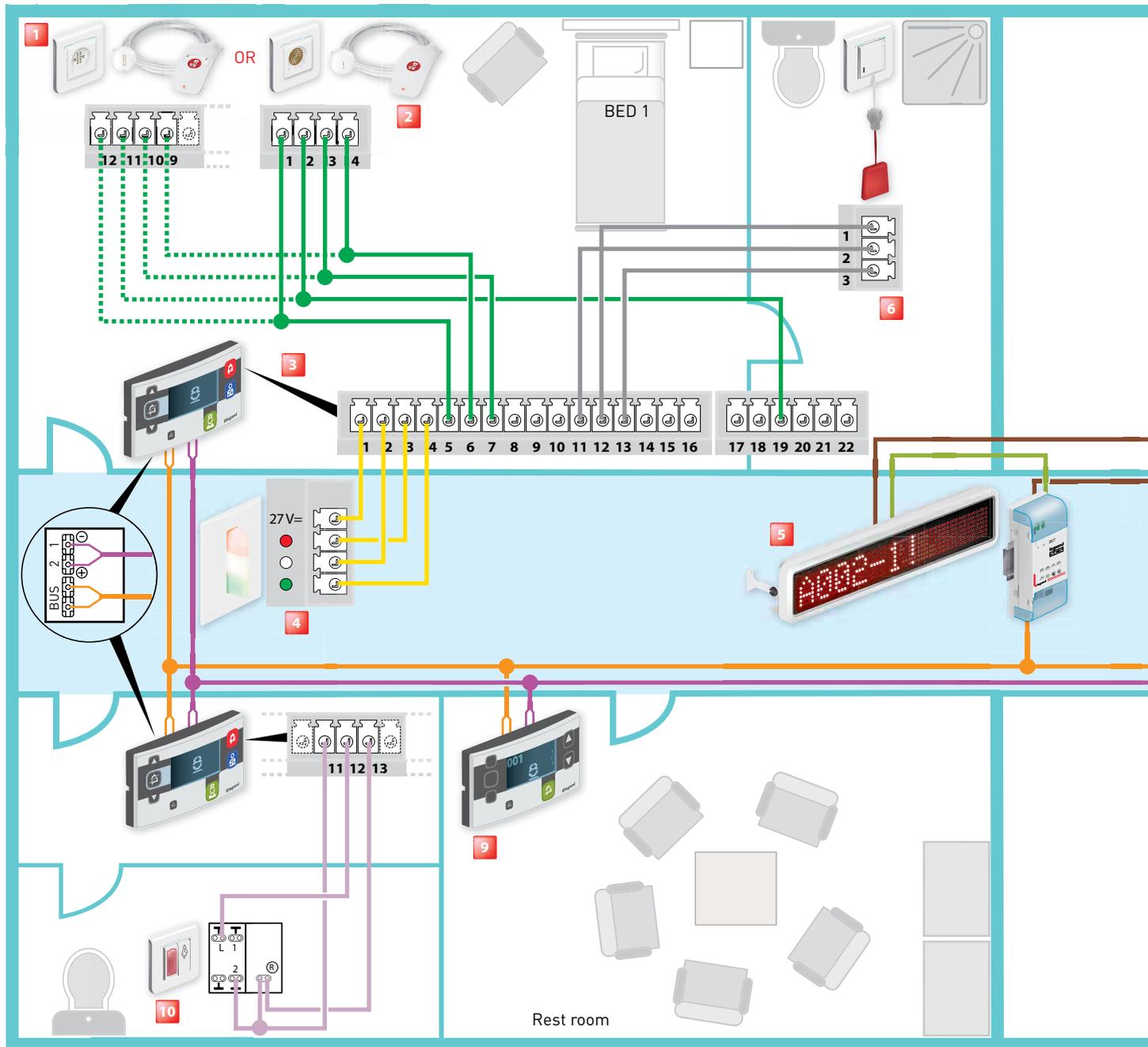
— 2 or 3 pairs 0.6 or 0.9 mm² SYT

— 1 pair Cat. No. 0 492 33 non-polarised



Wiring: call + nurse presence traceability interface

⚠ Do not fully clip on the door units



1 Socket + hand-held control unit for call
Cat. Nos. 0 782 45/47 + 0 782 42/44

3 Door unit with display unit Cat. No. 0 766 07/06

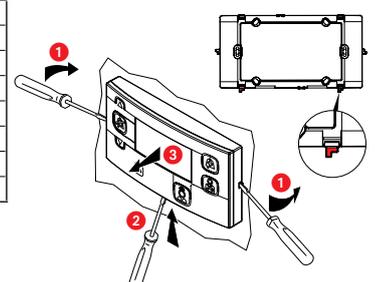
2 Socket + hand-held control unit for call Cat. Nos. 0 782 41/46 + 0 782 40

Terminal	Description	Terminal	Description
1	Lamp common	10	Bed 2 hand-held control unit call indicator
2	White lamp	11	Bathroom pull-cord common
3	Red lamp	12	Bathroom pull-cord contact
4	Green lamp	13	Bathroom pull-cord indicator
5	Bed 1 hand-held control unit common	14	Bathroom call acknowledgment button (option)
6	Bed 1 hand-held control unit call button	15	Biomedical contact common
7	Bed 1 hand-held control unit call indicator	16	Biomedical contact
8	Bed 2 hand-held control unit common	19	Beds 1 & 2 hand-held control unit backlighting
9	Bed 2 hand-held control unit call button		

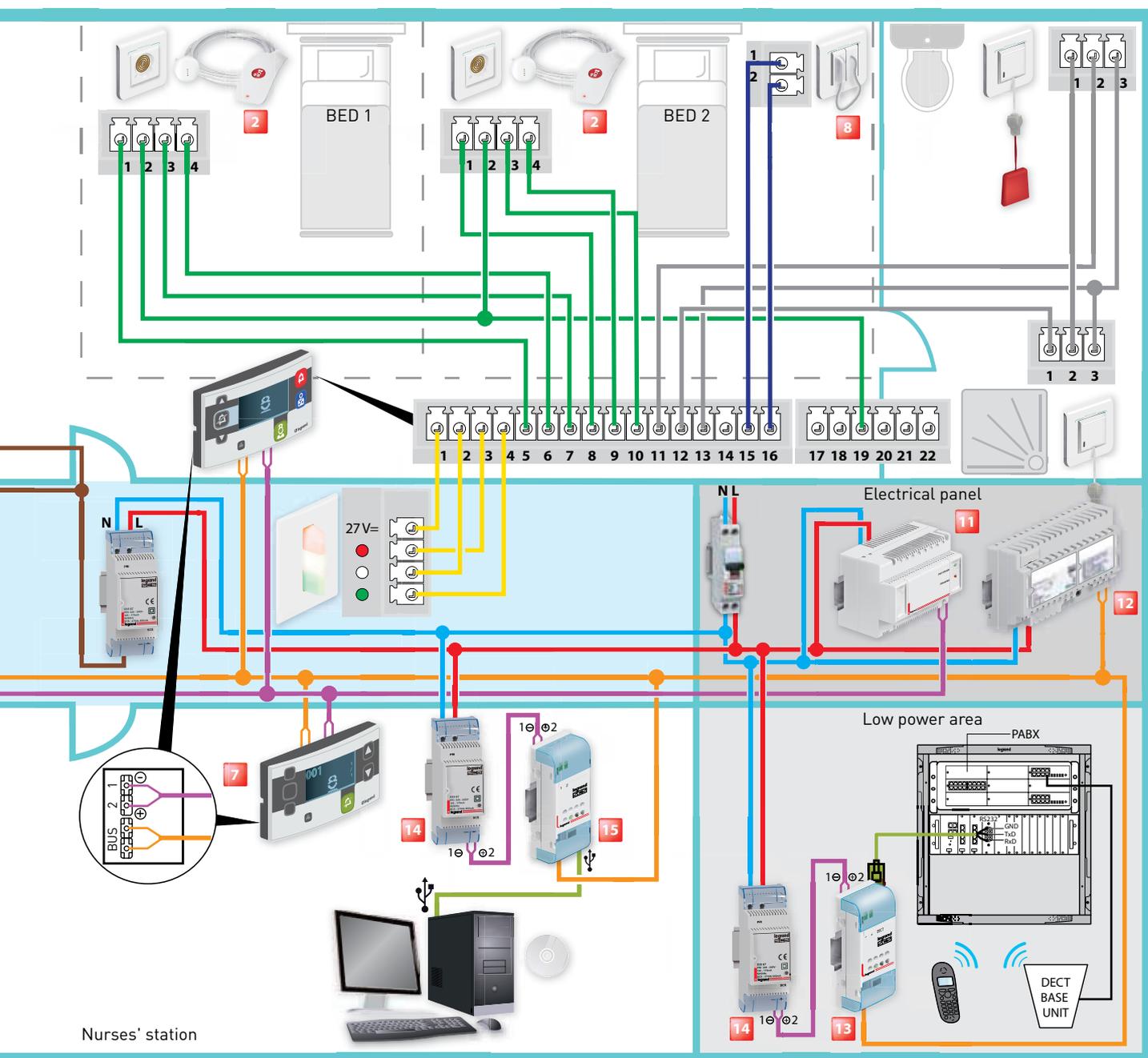
If the monitor lights are not being used, replace them with a 100 kΩ/0.25 W resistor
If the call contact is not being used, short-circuit the corresponding terminals

Removing the door unit

Support mounting direction



+ DECT interface



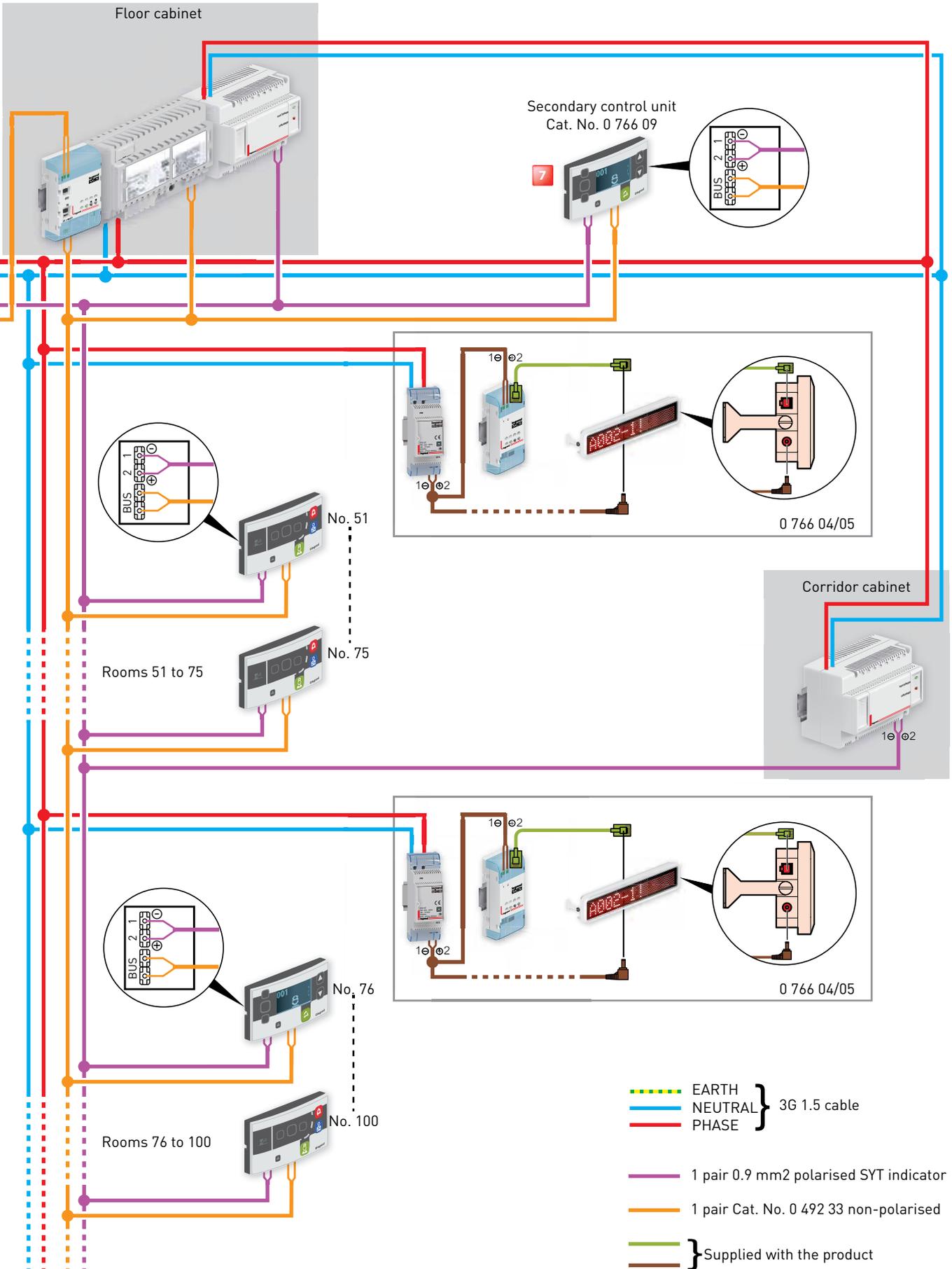
- | | | |
|---|---|--|
| 4 Monobloc corridor overdoor unit
Cat. No. 0 766 70 | 8 Biomedical alarm Cat. Nos. 0 771 50 + 0 782 07 | 12 BUS/SCS power supply
Cat. No. 0 035 60 or E46ADCN |
| 5 Corridor display unit Cat. No. 0 766 04
with interface and power supply | 9 Secondary nurses' control unit Cat. No. 0 766 09 | 13 DECT interface Cat. No. 0 766 19 |
| 6 Bathroom pull-cord Cat. No. 0 782 48 | 10 Call unit Cat. No. 0 766 85 | 14 Auxiliary power supply Cat. No. 0 035 67 |
| 7 Main nurses' control unit Cat. No. 0 766 11 | 11 Indicator power supply Cat. No. 0 782 90 | 15 Traceability interface Cat. No. 0 766 17 |

- 1 pair 0.9 mm² polarised SYT indicator
- 1 pair Cat. No. 0 492 33 non-polarised

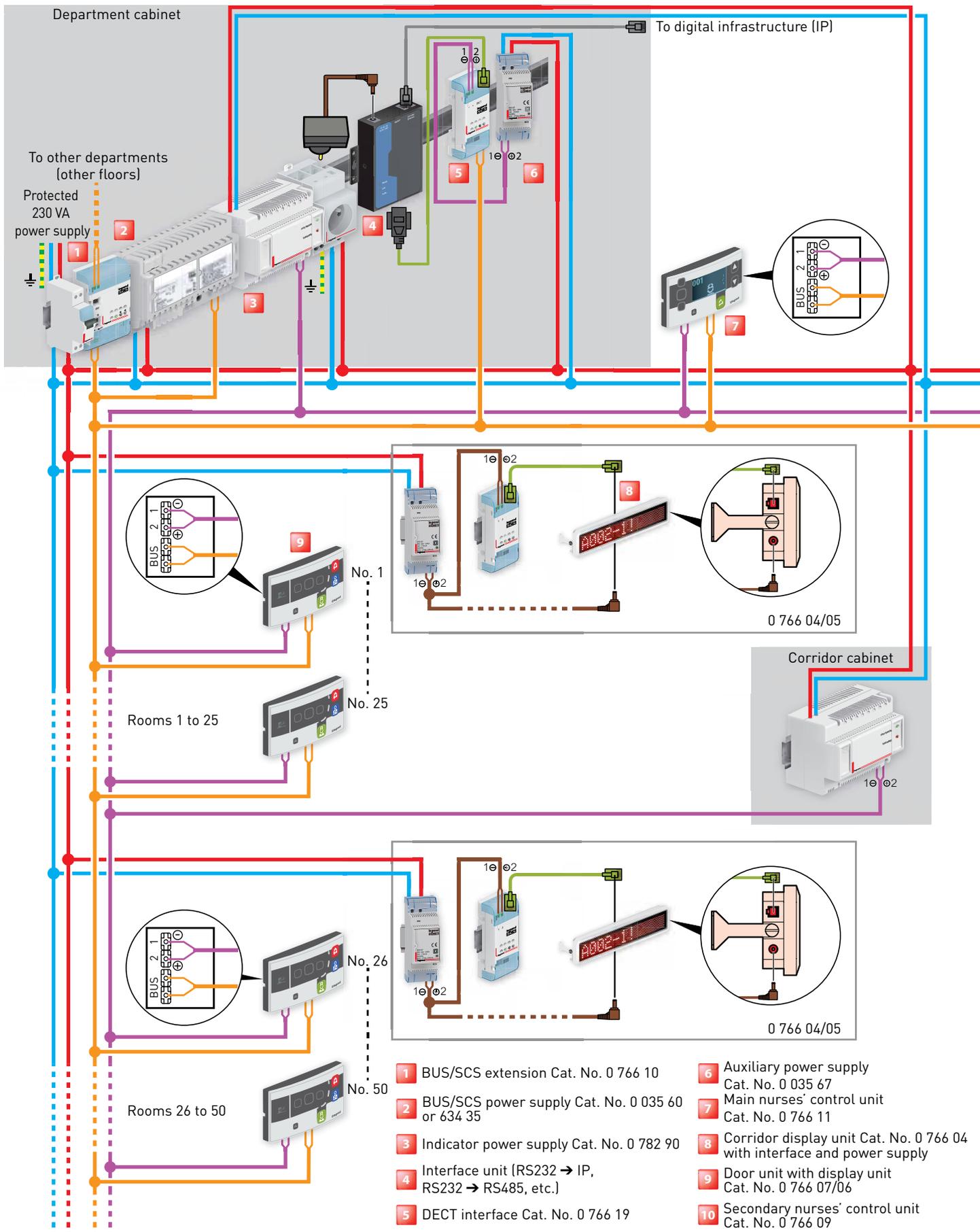
- 2 or 3 pairs 0.6 or 0.9 mm² SYT

- Supplied with the product

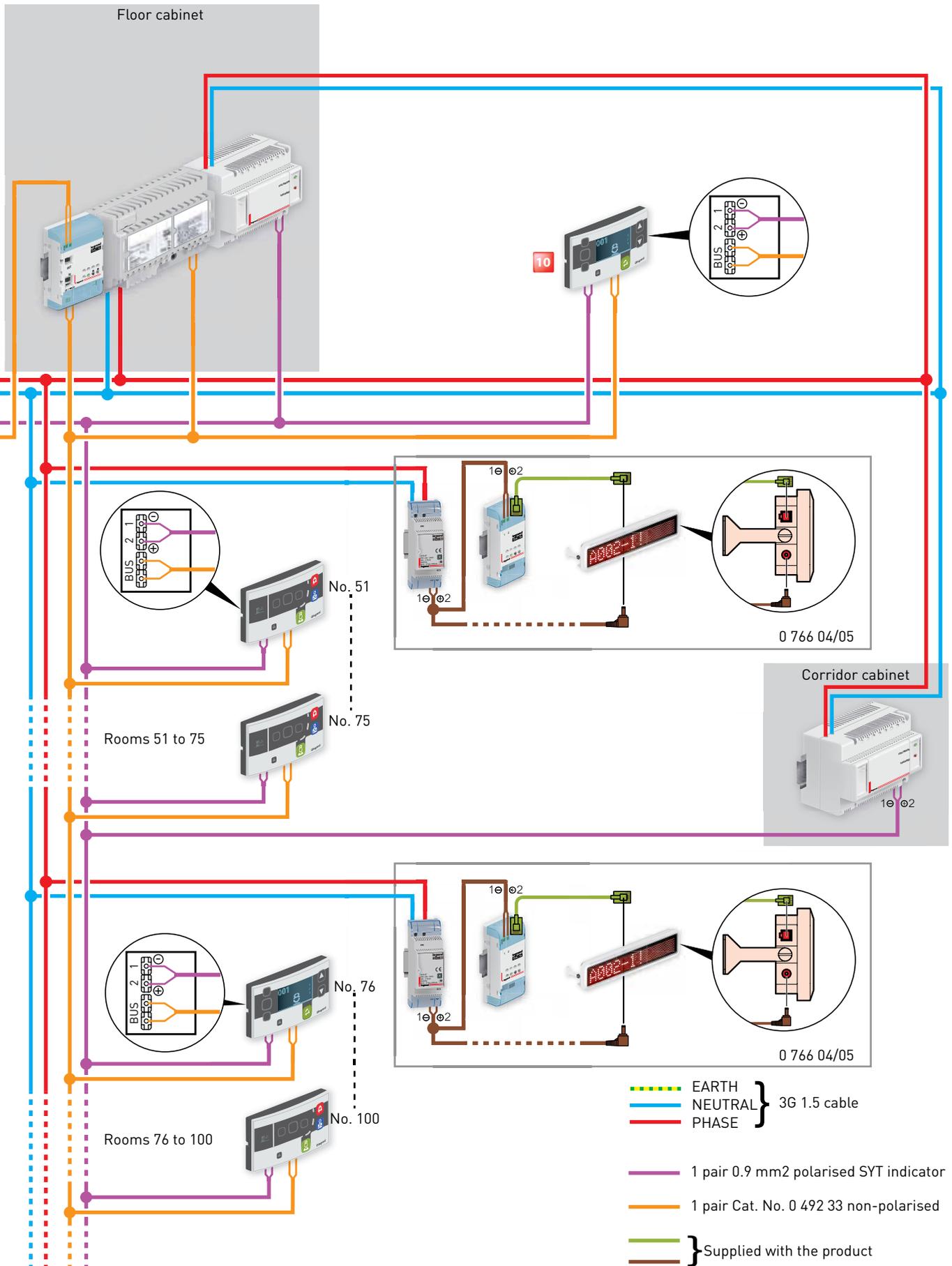
Star wiring recommended



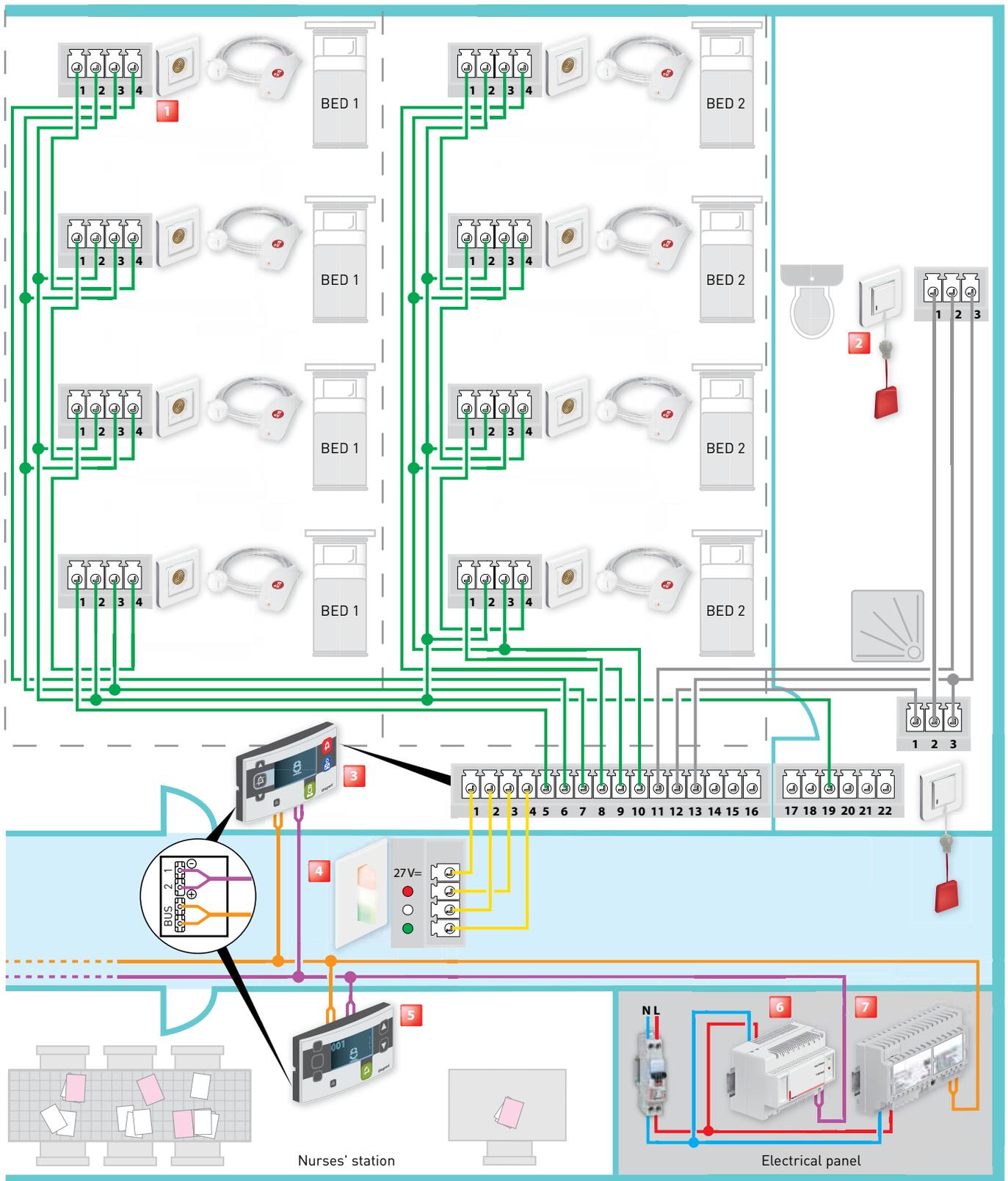
Wiring: Diagram of department + DECT interface



and RS232/IP interface



Wiring: Rooms with up to 8 beds without identification of the beds



1 Socket + hand-held control unit for calls
Cat. Nos. 0 782 41/46 + 0 782 40
or 0 782 45/47 + 0 782 42/44

2 Bathroom pull-cord Cat. No. 0 782 48

3 Door unit with display unit
Cat. No. 0 766 07/06

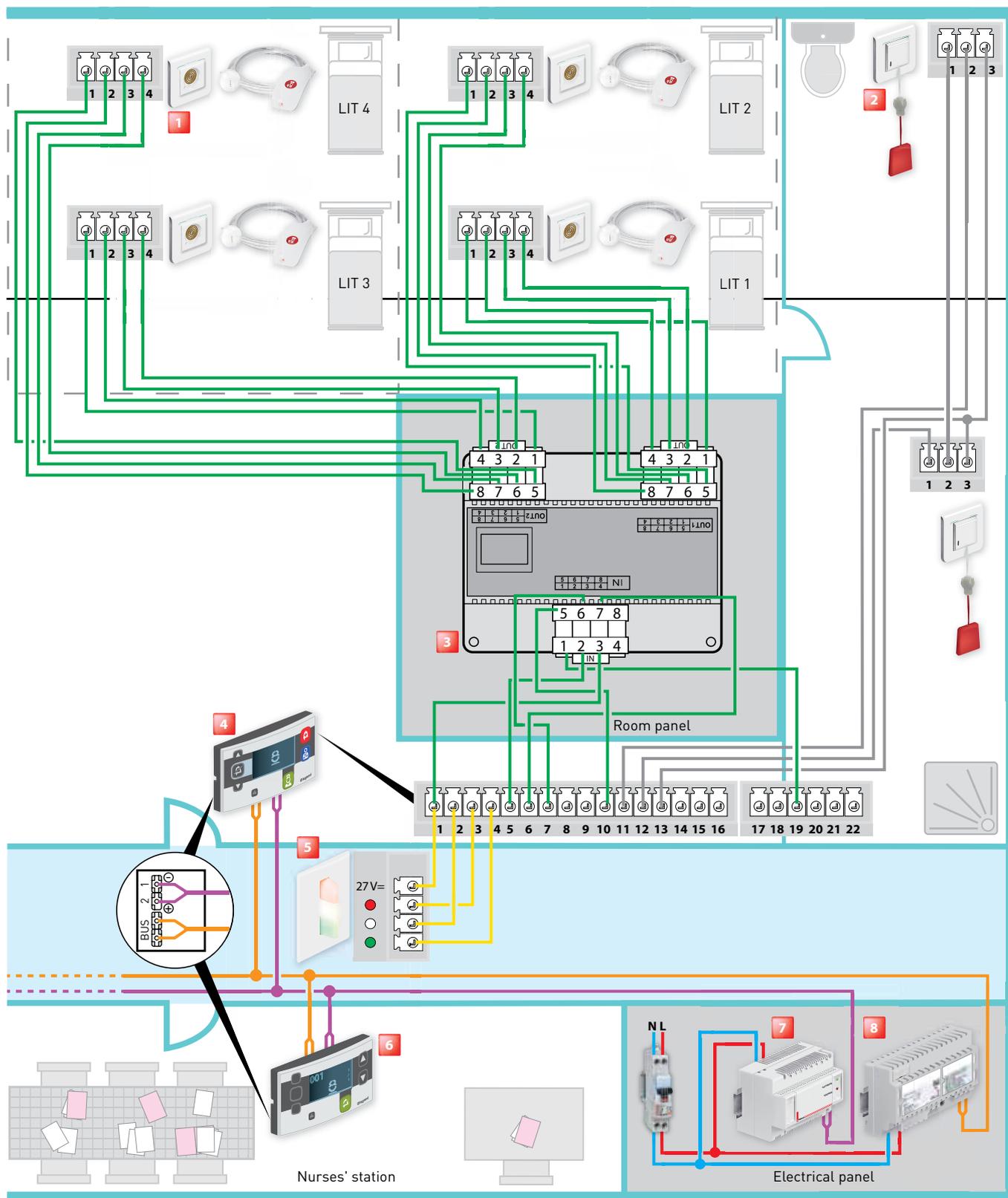
4 Monobloc corridor overdoor unit
Cat. No. 0 766 70

5 Main nurses' control unit Cat. No. 0 766 11

6 Indicator power supply Cat. No. 0 782 90

7 BUS/SCS power supply Cat. No. 0 035 60
or E46ADCN

Wiring: rooms with up to 4 beds with identification of the beds



1 Socket + hand-held control unit for calls
Cat. Nos. 0 782 41/46 + 0 782 40
or 0 782 45/47 + 0 782 42/44

2 Bathroom pull-cord Cat. No. 0 782 48

3 Bed extension Cat. No. 0 782 19
for door units Cat. Nos. 0 766 06/07

4 Monobloc corridor overdoor unit
Cat. No. 0 766 70

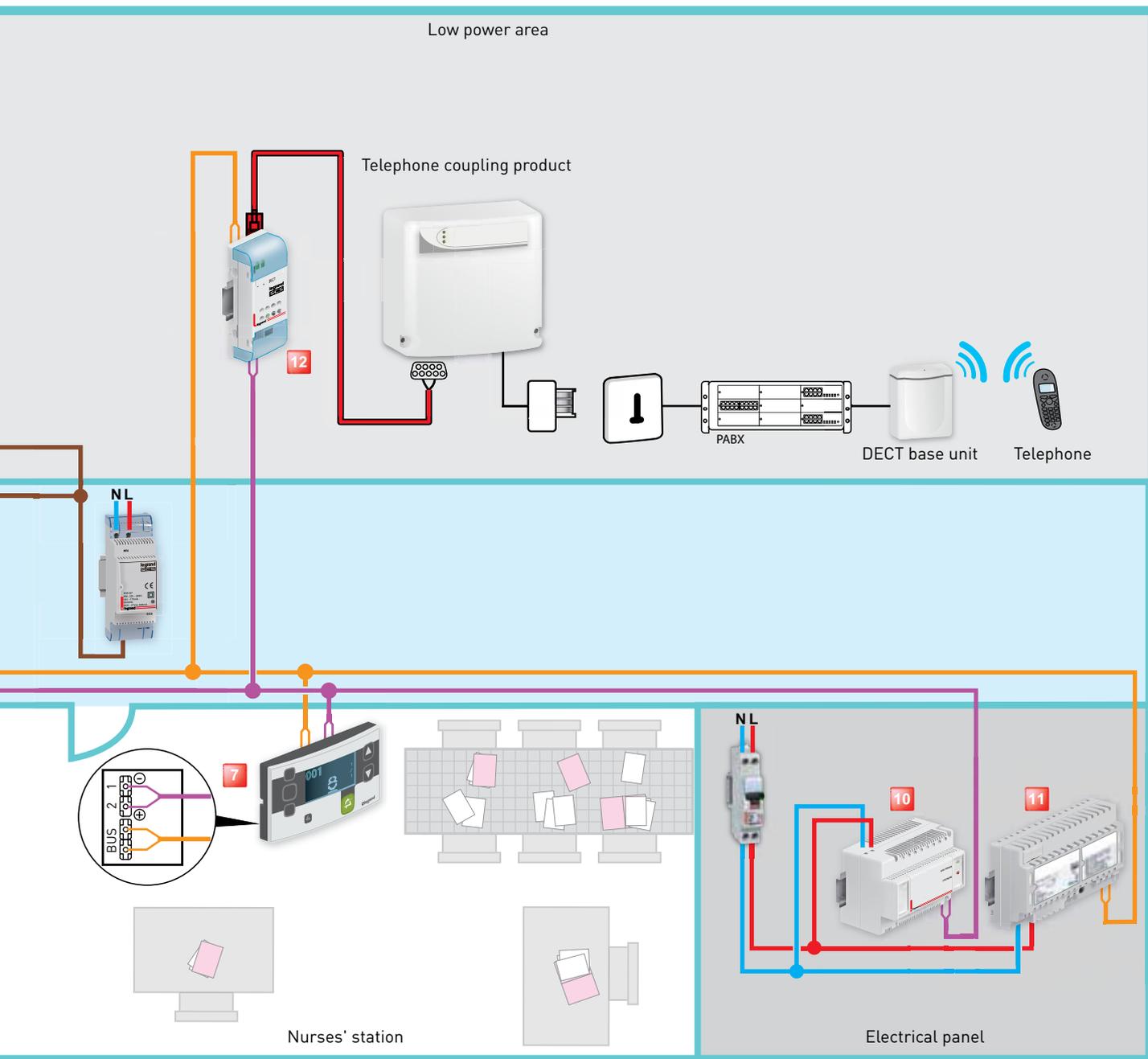
5 Main nurses' control unit Cat. No. 0 766 11

6 Indicator power supply Cat. No. 0 782 90

7 BUS/SCS power supply Cat. No. 0 035 60
or E46ADCN

8 Main nurses' control unit Cat. No. 0 766 11

with radio transmitter and receiver



- 4** Monobloc corridor overdoor unit
Cat. No. 0 766 70
- 5** Corridor display unit Cat. No. 0 766 04
with interface and power supply
- 6** Bathroom pull-cord Cat. No. 0 782 48
- 7** Main nurses' control unit Cat. No. 0 766 11
- 8** Secondary nurses' control unit
Cat. No. 0 766 09
- 9** Call unit Cat. No. 0 766 85
- 10** Indicator power supply Cat. No. 0 782 90
- 11** BUS/SCS power supply
Cat. No. 0 035 60 or E46ADCN
- 12** DECT interface Cat. No. 0 766 19

— 1 pair 0.9 mm² polarised SYT indicator
— 1 pair Cat. No. 0 492 33 non-polarised

— } 2 or 3 pairs 0.6 or 0.9 mm² SYT

— } Supplied with the product

Star wiring recommended

Parameter setting

DEVICE CONFIGURATION

It is possible to manage 10 zones (departments) in a physical configuration.

- For any installation with fewer than 80 directions (rooms) per department, it is possible to carry out a physical configuration (i.e. using configurators).
- Virtual configuration is obligatory when there are more than 80 directions per department (not yet available).

20 additional addresses are reserved for:

- secondary control unit
- corridor display unit (maximum 5)
- traceability
- call forwarding over DECT
- door controller for secure wandering
- bus extension

PHYSICAL DEVICE CONFIGURATION

⚠ Physical configuration (using configurators) and virtual configuration (using software) are not compatible.

Physical configuration is carried out by inserting the “configurators” into the correct locations in each device, distinguished by either a number or a graphic symbol.

This mode should be used for installations with no more than 100 devices in each zone (80 directions (rooms) + 20 additional addresses).



Cat. Nos. 0 492
00/01/02/03/04/05/06/07/08/09
or Cat. Nos. 3501/0/1/2/3/4/5/6/7/8/9



Cat. No. 0 261 45 or 3501K

Case comprising:

- 10 "0" configurators (Cat. No. 0 492 00 or 3501/0)
- 10 "1" configurators (Cat. No. 0 492 01 or 3501/1)
- 10 "2" configurators (Cat. No. 0 492 02 or 3501/2)
- 10 "3" configurators (Cat. No. 0 492 03 or 3501/3)
- 10 "4" configurators (Cat. No. 0 492 04 or 3501/4)
- 10 "5" configurators (Cat. No. 0 492 05 or 3501/5)
- 10 "6" configurators (Cat. No. 0 492 06 or 3501/6)
- 10 "7" configurators (Cat. No. 0 492 07 or 3501/7)
- 10 "8" configurators (Cat. No. 0 492 08 or 3501/8)
- 10 "9" configurators (Cat. No. 0 492 09 or 3501/9)

Example of recommendation for 50 rooms

- 1 case Cat. No. 0 261 45 or 3501K
- 10 x Cat. Nos. 0 492 01/02 or 3501/1/2 (1 x 0 492 01/02 or 3501/1/2 for 5 rooms)
- 5 x Cat. Nos. 0 492 03/04/05/06 or 3501/3/4/5/6 (1 x 0 492 03/04/05/06 or 3501/3/4/5/6 for 10 rooms)

Configuration of the main control unit for nurses' station Cat. No. 0 766 11

A: indicates the zone to which the device belongs (0 to 9)

N1: not in use

N2: not in use

M1: 1 for the first control unit

M2: not used

Configuration of the secondary control unit Cat. No. 0 766 09

A: indicates the zone to which the device belongs (0 to 9)

N1: indicates the secondary control unit number (0 to 9)

N2: indicates the secondary control unit number (0 to 9)

M1: 2

M2: not used

Parameter setting (continued)

PHYSICAL DEVICE CONFIGURATION (CONTINUED)

Configuration of door unit with indicators Cat. No. 0 766 06

A: indicates the zone to which the device belongs (0 to 9)

N1: indicates the room number (0 to 9)

N2: indicates the room number (0 to 9)

M1: terminal operating mode (see table)

M2: bathroom acknowledgement mode:

- 1 = door unit
- 2 = additional pushbutton in the bathrooms
- ∅ = no configurator

Config. M1	Hand-held remote Bed 1	Hand-held remote Bed 2	Bathroom	Biomedical contact	Wandering	Config. M2
1	✓	✗	✗	✗	✗	∅
2	✓	✗	✓	✗	✗	1/2
3	✓	✗	✓	✓	✗	1/2
4	✓	✓	✗	✗	✗	∅
5	✓	✓	✓	✗	✗	1/2
6	✓	✓	✓	✓	✗	1/2
7	✗	✗	✓	✗	✗	1/2
8	✗	✗	✗	✗	✓	Door no. (0 to 9)

Configuration of door unit with display unit Cat. No. 0 766 07

A: indicates the zone to which the device belongs (0 to 9)

N1: indicates the room number (0 to 9)

N2: indicates the room number (0 to 9)

M1: terminal operating mode (see table)

M2: bathroom acknowledgement mode:

- 1 = door unit
- 2 = additional pushbutton in the bathrooms

Configuration of the display unit interface Cat. No. 0 766 04

A: indicates the zone to which the device belongs (0 to 9)

N1: indicates the device address (0 to 9)

N2: indicates the device address (0 to 9)

M1: audible signalling mode:

- 1 = buzzer enabled
- 2 = buzzer disabled

Config. M1	Error message	Alarm	Emergency	Call
1	✓	✗	✗	✗
2	✓	✓	✗	✗
3	✓	✓	✓	✗
4	✓	✓	✓	✓

Configuration of the DECT interface Cat. No. 0 766 19

A: indicates the zone to which the device belongs (0 to 9)

N1: indicates the device address (0 to 9)

N2: indicates the device address (0 to 9)

M1: type of message sent on the ESPA444

Configuration of the BUS/SCS extension Cat. No. 0 766 10

"Physical extension" mode - repeater version

This mode should be used whenever it is necessary to extend the physical limit of the maximum length of the bus, but not the limit of the number of addresses in the zone.

In this application, configurator Cat. No. 0 492 20/3501/T  is inserted in A and none in N1, N2.

"Logical extension" mode - gateway version

This mode allows an installation to be created with a larger number of zones connected to vertical trunking.

A: indicates the zone to which the device belongs (0 to 9)

N1: indicates the device address (0 to 9)

N2: indicates the device address (0 to 9)

M1: not in use

Configuration of the traceability interface Cat. No. 0 766 17

A: indicates the zone to which the device belongs (0 to 9)

N1: indicates the device address (0 to 9)

N2: indicates the device address (0 to 9)

M1: operating mode when the interface memory is full:

- 1 : older records are overwritten by new ones

- 2 : new records are suspended until old records have been saved and deleted from the interface

M2: not in use

Parameter setting (continued)

PHYSICAL DEVICE CONFIGURATION (CONTINUED)

Example:

Installation of a zone comprising:

- 10 rooms with door units for 2 beds, biomedical alarm and bathroom
- 1 main control unit for the monitoring station, 1 secondary unit
- 1 corridor display unit with audible signalling, 1 traceability interface and 1 DECT interface

Door units Cat. Nos. 0 766 06/07

A	N1	N2	M1	M2
0	0	1	6	1



A	N1	N2	M1	M2
0	0	2	6	1



A	N1	N2	M1	M2
0	0	3	6	1



A	N1	N2	M1	M2
0	0	4	6	1



A	N1	N2	M1	M2
0	0	5	6	1



A	N1	N2	M1	M2
0	0	6	6	1



A	N1	N2	M1	M2
0	0	7	6	1



A	N1	N2	M1	M2
0	0	8	6	1



A	N1	N2	M1	M2
0	0	9	6	1



A	N1	N2	M1	M2
0	1	0	6	1



Control unit for nurses' station Cat. No. 0 766 11

A	N1	N2	M1	M2
0	0	0	1	/



Secondary control unit Cat. No. 0 766 09

A	N1	N2	M1	M2
0	9	9	2	/



Interface for corridor display unit Cat. No. 0 766 04

A	N1	N2	M1
0	9	8	1



Traceability interface Cat. No. 0 766 17

A	N1	N2	M1
0	9	7	1



DECT interface Cat. No. 0 766 19

A	N1	N2	M1
0	9	6	4



Parameter setting (continued)

PHYSICAL DEVICE CONFIGURATION (CONTINUED)

This section describes the essential concepts of 'physical' and 'virtual' device configuration.

To understand the addressing logic, the terms used in the text are defined below:

- Zone (A): Set of devices belonging to the same nursing department (10 zones max. configured with configurator: A, B, C... J and 14 zones max. with virtual configuration: A, B, C... N).
- N1–N2: Numerical identifier for each room in the (nursing) department.
- M1-M2: These configurators identify the device operating mode.

Healthcare building with 1 department of 80 rooms on 1 floor configured with configurator

Department A Cat. No. 0 766 11
Room 1 → 80

Control unit for nurses' station Cat. No. 0 766 11

A	N1	N2	M1	M2
0	0	0	1	/



Display: 001 to 080
not modifiable

Door units Cat. Nos. 0 766 06/07

A	N1	N2	M1	M2
0	0	1	2	1



Configuration for room no. 1
in department A with 1 bed
and 1 bathroom

Healthcare building with 3 floors configured with configurator

Department C
Cat. No. 0 766 11
Room 1 → 80

Control unit for nurses' station Cat. No. 0 766 11

A	N1	N2	M1	M2
2	0	0	1	/



Display: 001 to 080
not modifiable

Door units Cat. Nos. 0 766 06/07

A	N1	N2	M1	M2
2	0	1	2	1



Configuration for room no. 1 in department C with 1 bed and 1 bathroom

Floor 3

Department B
Cat. No. 0 766 11
Room 1 → 80

Control unit for nurses' station Cat. No. 0 766 11

A	N1	N2	M1	M2
1	0	0	1	/



Display: 001 to 080
not modifiable

Door units Cat. Nos. 0 766 06/07

A	N1	N2	M1	M2
1	0	1	2	1



Configuration for room no. 1 in department B with 1 bed and 1 bathroom

Floor 2

Department A
Cat. No. 0 766 11
Room 1 → 80

Control unit for nurses' station Cat. No. 0 766 11

A	N1	N2	M1	M2
0	0	0	1	/



Display: 001 to 080
not modifiable

Door units Cat. Nos. 0 766 06/07

A	N1	N2	M1	M2
0	0	1	2	1



Configuration for room no. 1 in department A with 1 bed and 1 bathroom

Floor 1

Can be positioned on floor 1, 2 or 3

Main control unit Cat. No. 766 11 with activation of transfers (4 max.)

A	N1	N2	M1	M2
3	0	0	1	/

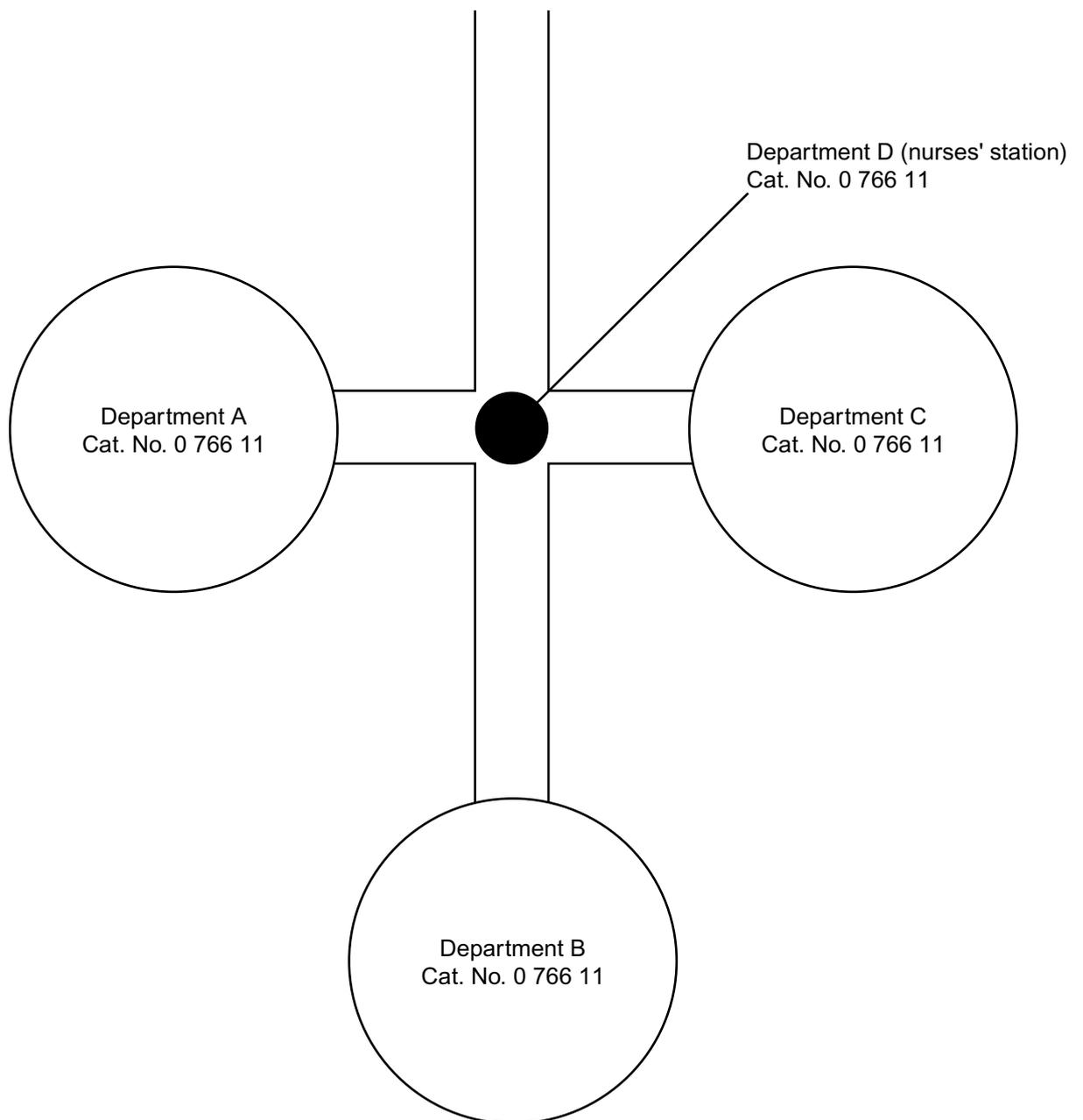


Display: A001 to A080,
B001 to B080,
C001 to C080
not modifiable

Parameter setting (continued)

PHYSICAL DEVICE CONFIGURATION (CONTINUED)

Healthcare building with 3 wings



Control unit for nurses' station Cat. No. 0 766 11

A	N1	N2	M1	M2
2	0	0	1	/



Display: 001 to 080
not modifiable

Door units Cat. Nos. 0 766 06/07

A	N1	N2	M1	M2
2	0	1	2	1



Configuration for room no. 1
in department C with 1 bed
and 1 bathroom

Control unit for nurses' station Cat. No. 0 766 11

A	N1	N2	M1	M2
1	0	0	1	/



Display: 001 to 080
not modifiable

Door units Cat. Nos. 0 766 06/07

A	N1	N2	M1	M2
1	0	1	2	1



Configuration for room no. 1
in department B with 1 bed
and 1 bathroom

Control unit for nurses' station Cat. No. 0 766 11

A	N1	N2	M1	M2
0	0	0	1	/



Display: 001 to 080
not modifiable

Door units Cat. Nos. 0 766 06/07

A	N1	N2	M1	M2
0	0	1	2	1



Configuration for room no. 1
in department A with 1 bed
and 1 bathroom

Main control unit Cat. No. 766 11 with activation of transfers (4 max.)

A	N1	N2	M1	M2
3	0	0	1	/



Display: A001 to A080,
B001 to B080,
C001 to C080
not modifiable

Parameter setting (continued)

VIRTUAL DEVICE CONFIGURATION

⚠ Physical configuration (using configurators) and virtual configuration (using software) are not compatible.

When a product has been configured using configurators, in order to be able to configure it virtually (using software):

- 1 Remove the configurators
- 2 Switch off the BUS and indicator power supplies for 30 sec. minimum

Principle

Install the Nurse Call Configurator software Cat. No. 0 766 15 on the PC which is to be used for parameter setting.

Virtual configuration of the hospital system enables you to:

- increase the number of rooms per department to 150 instead of 80 with a physical configuration
- have 4-digit numbering for the rooms with the department in figures or letters
- have a saved record of the project

Implementation

Hospital system products are configured in virtual mode using a PC.

The virtual configuration software must therefore be installed on a PC. Cat. No. 0 766 15.

There are 3 options for virtual configuration:

- Configuration kit used outside the installation (standalone mode)
- Configuration kit connected to the installation
- Web server Cat. No. F454 installed in an enclosure connected to the vertical BUS or the floor BUS. **When this is in use the nurse call system is no longer operational.**

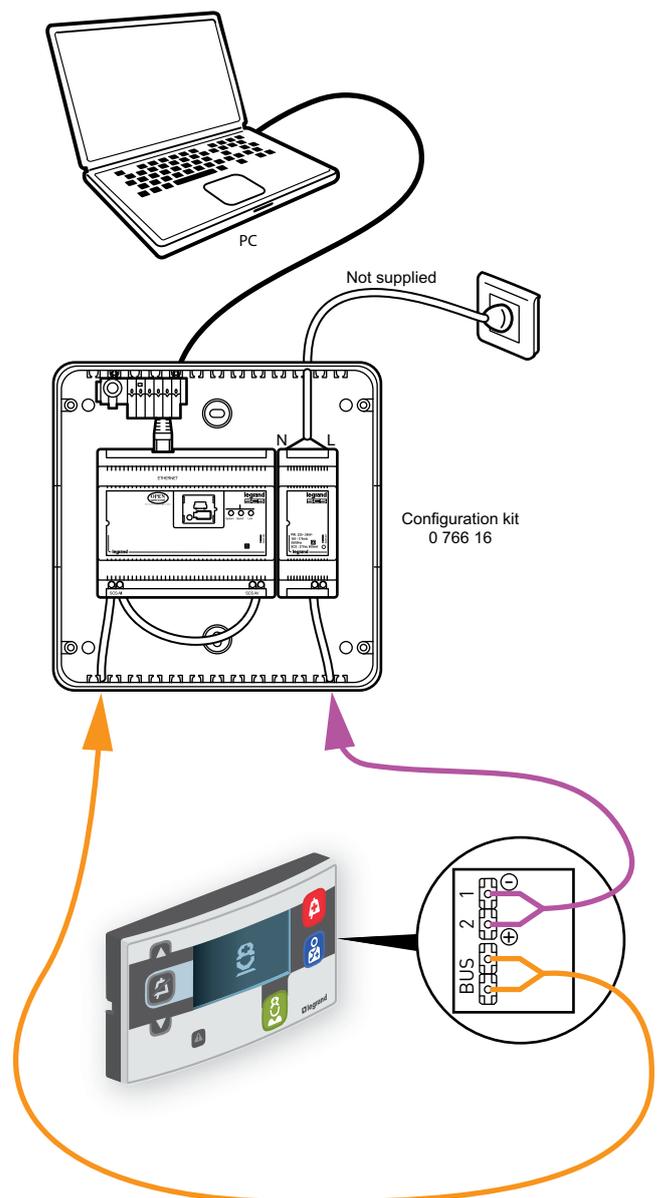
The PC will be connected to the interface via an electronic link (IP). The configuration kit must have a fixed IP address (192.168.1.35 by default).

Replacing a product

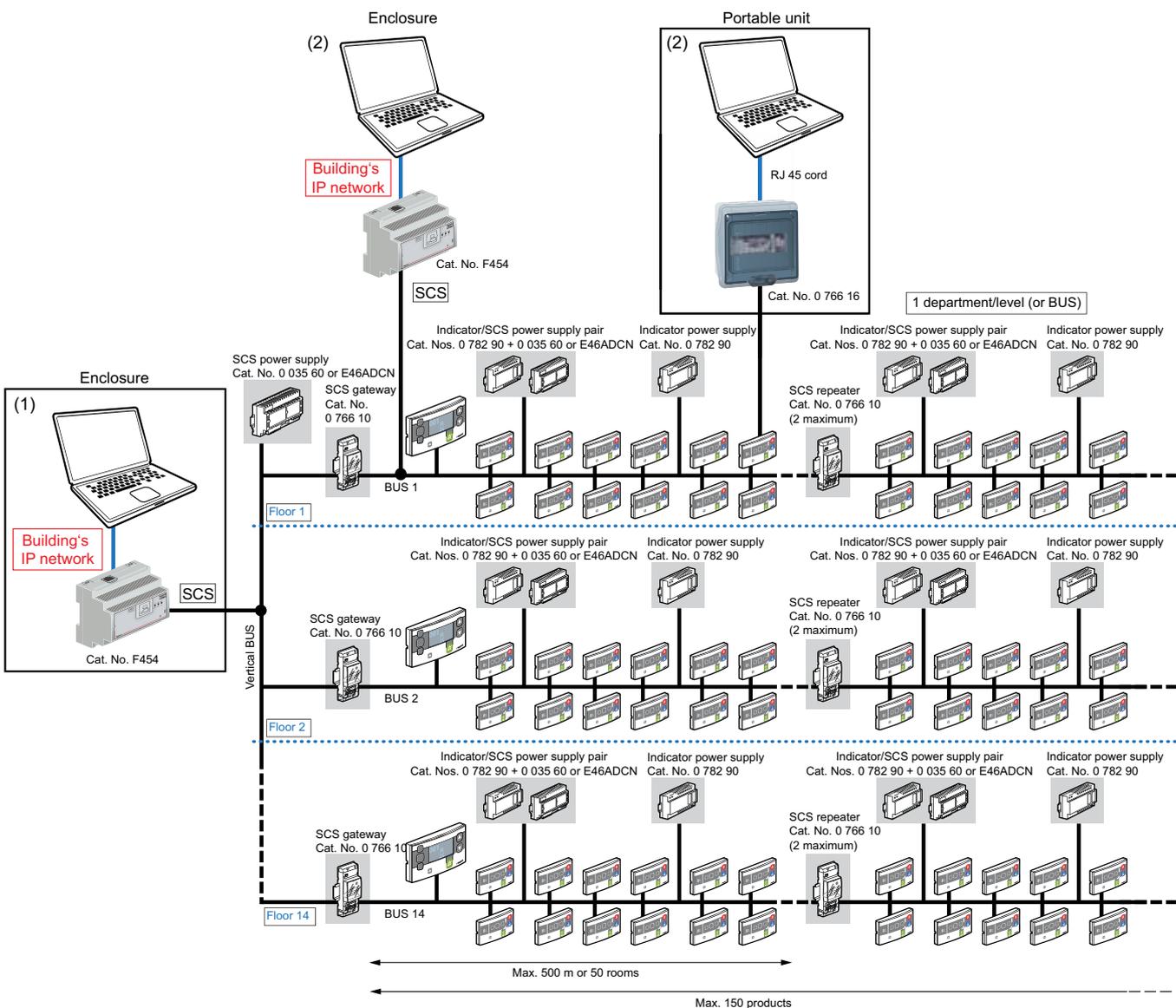
A faulty product must be replaced outside the installation (as in the diagram opposite).

Please refer to the section entitled: Procedure for replacing a product.

Configuration outside the installation (standalone mode)



Configuration on installation



- (1) ⚠ Parameter setting blocks operation of the entire building.
 (2) ⚠ Disconnect the gateway Cat. No. 0 766 10 for the floor. Now parameter setting only blocks operation of the floor concerned.

Parameter setting (continued)

VIRTUAL DEVICE CONFIGURATION (CONTINUED)

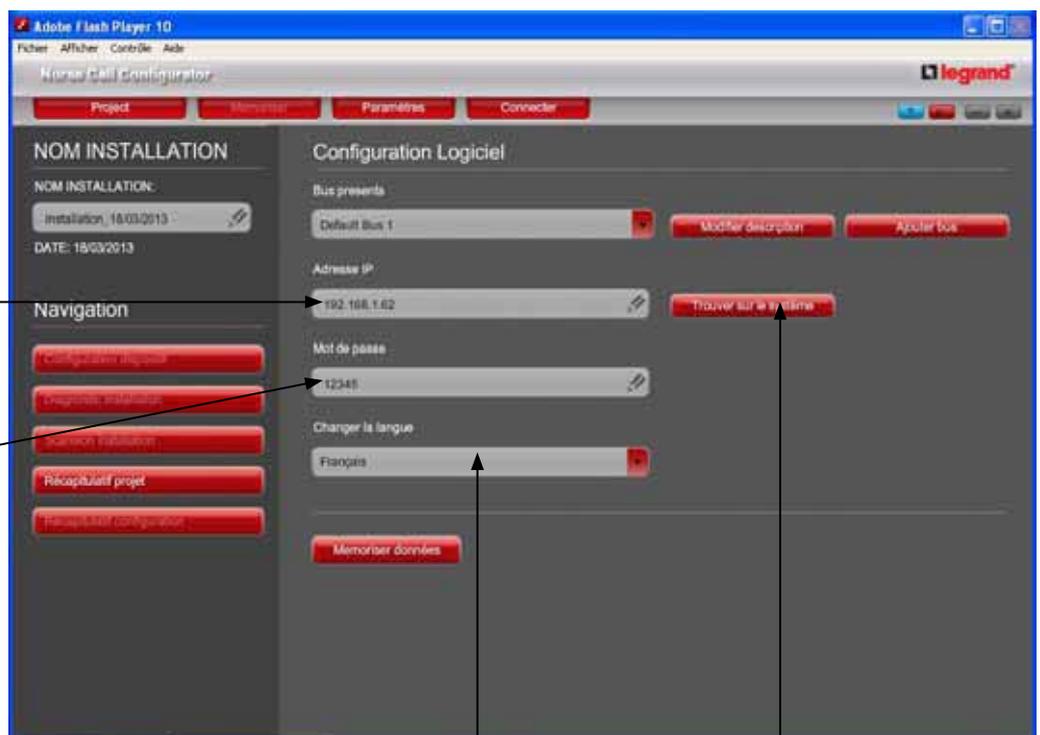
Launching the Nurse Call Configurator

Give the PC a fixed IP address: 192.168.1.100 (recommended)

Once the Nurse Call Configurator software has started:

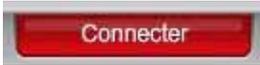
Enter the IP address of the configuration kit Cat. No. 0 766 16 (by default: 192.168.1.35)

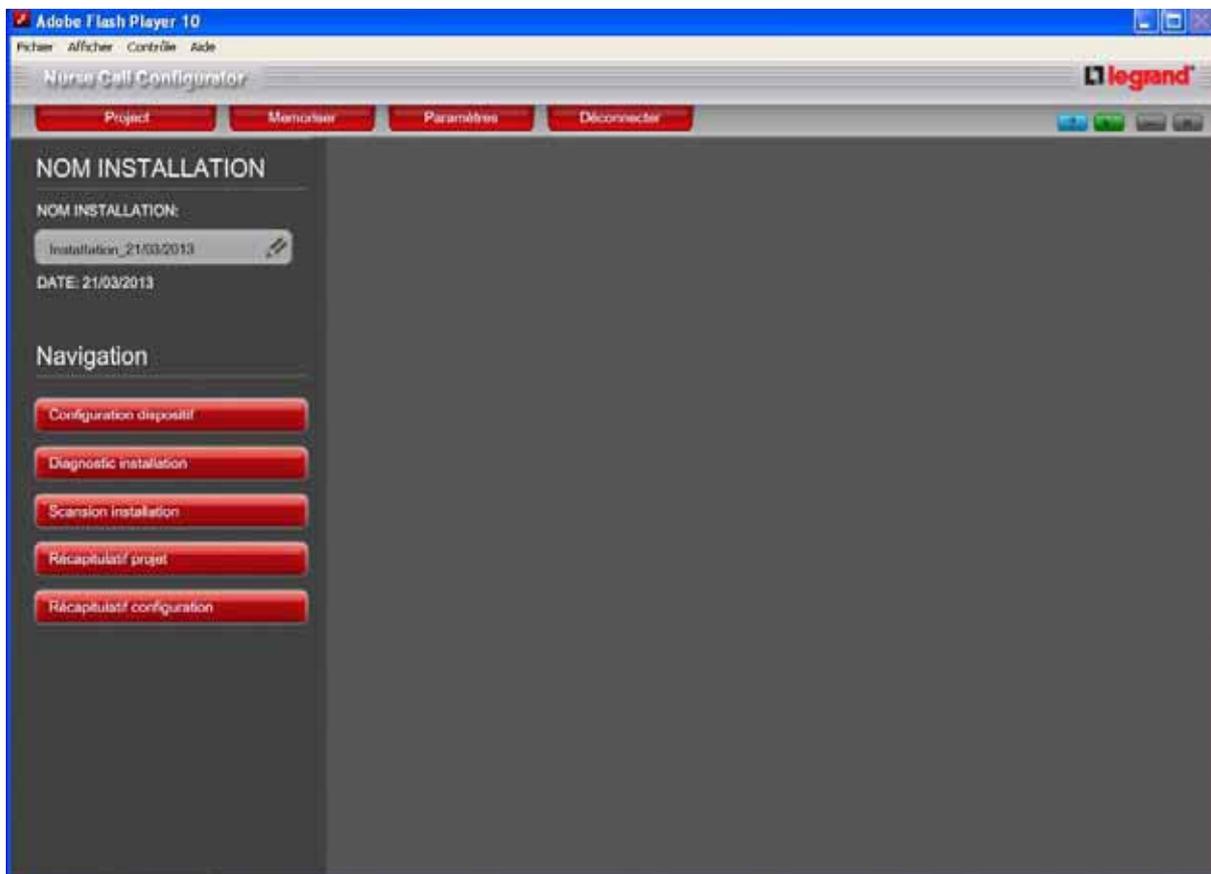
Enter the default password for the interface: 12345



Select the language

If the interface does not have a fixed IP address click on the "find on the system" button to find the interface

Once all the parameters have been entered click on  in the taskbar.



The PC is connected to the interface.

Parameter setting (continued)

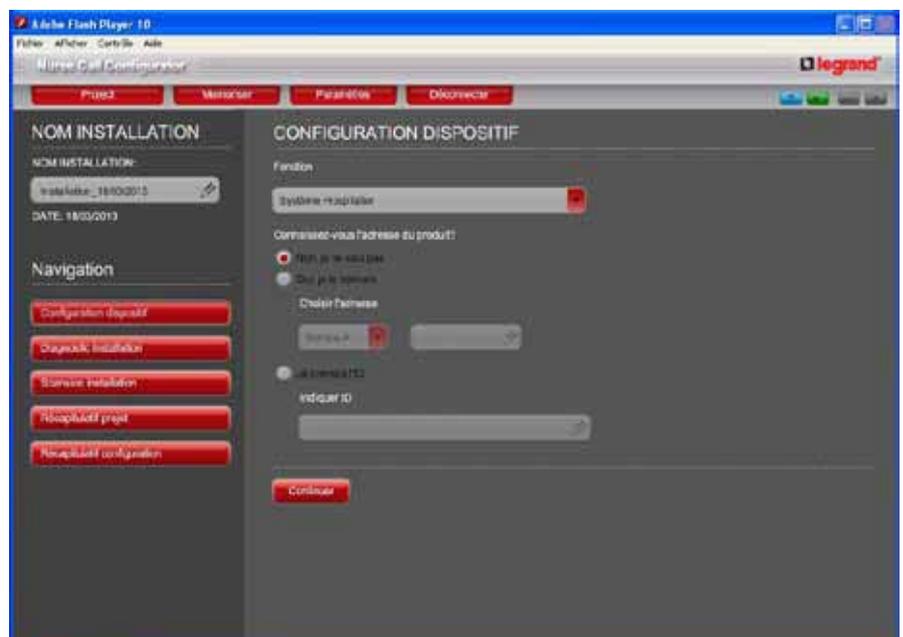
VIRTUAL DEVICE CONFIGURATION (CONTINUED)

Product configuration

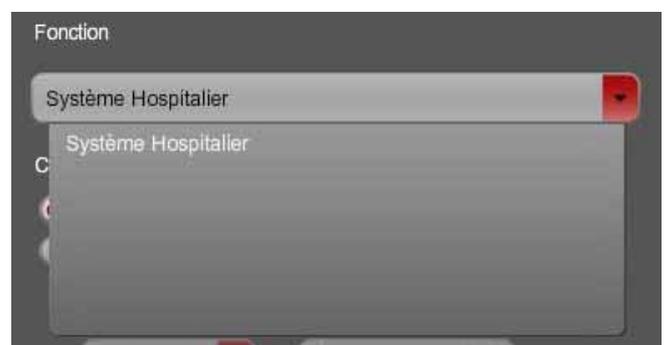


If a product has not been configured, the  icon flashes quickly.

In "Virtual Configurator" select



In the "Function" drop-down menu select "Hospital System"



There are two possible solutions for finding the product to be configured:

- Either by the ID number marked on the back of the product
- Or by pressing the green "Nurse presence" button on the front of the product to be configured (recommended)

Once the product has been found the following page is displayed:

- Identification = product name provided in the software
- ID = ID of the product being configured
- Code = product Cat. No.
- Configurateurs: configuration type (physical/virtual)
- Product type with indication of the configuration status (yellow = not configured, green = configuration OK, red = configuration not OK)

To access product configuration click on

Parameter setting (continued)

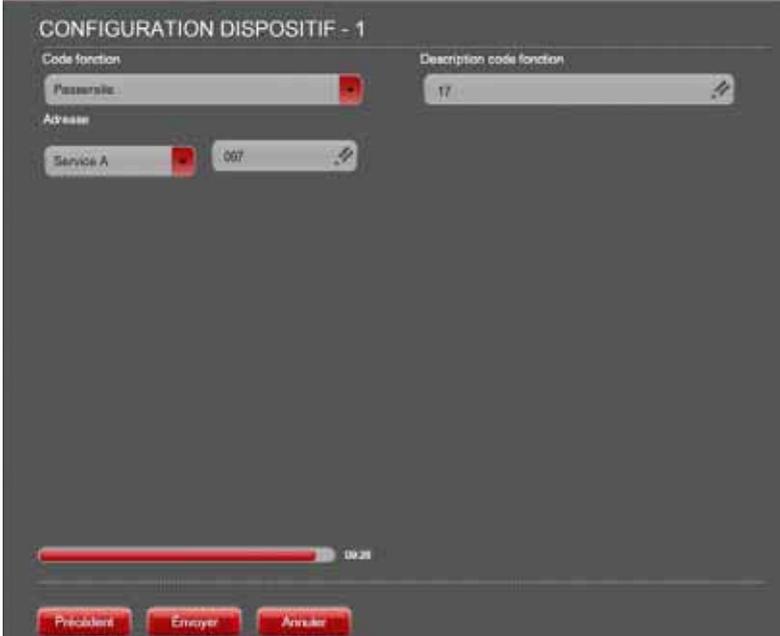
VIRTUAL DEVICE CONFIGURATION (CONTINUED)

Configuration principle for parameters:

 = Return to the previous menu

 = Sends the configured parameters to the products

 = Return to factory configuration for the product being configured

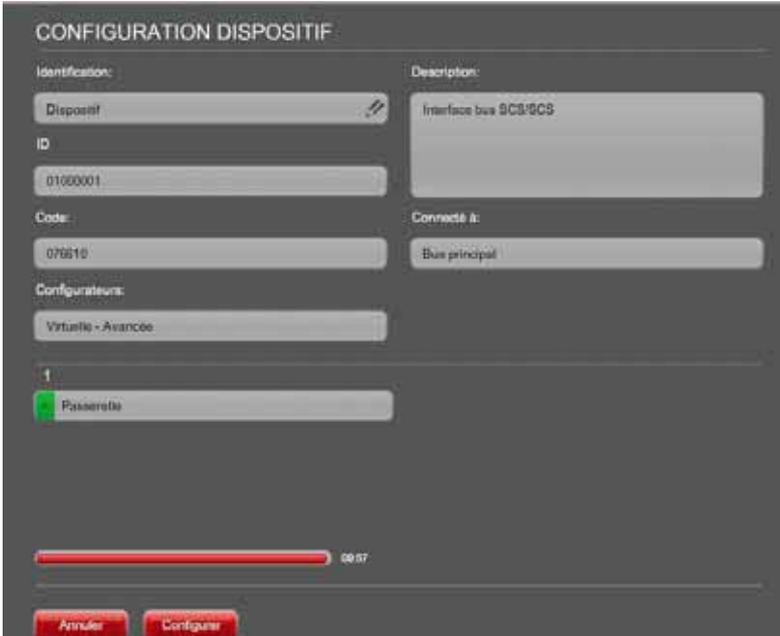


Once the configuration has been sent correctly the product becomes green.

 Click on  to complete the configuration

Note:

In standalone mode, once the parameters have been configured, the product triggers a call and rings.



The different parameters

Main control unit Cat. No. 0 766 11

- **Address** = device address. A: = Department no. selection (zone)
Address of the main control unit = 000.
- **Number of floors:** number of floors covered by the same department.
- **First room no.** = offset (between the address of the product and the room number displayed) on the room no. No. which will be displayed for the room with the address SCS = 1. The other rooms will be in succession.
- **First floor no.** = offset on the first floor number. No. which will be displayed for the first floor of the department.
- **Character type for the department:** Letter/figure = display mode for the department number.
- **Position of the department no.:** It will be possible to offset the department number 1, 2 or 3 positions starting from the left (its initial position).

Wandering prevention system Cat. No. 0 766 06

- **Address** = product address.
Department no. for the monitored door and 0: SCS address of the product (additional products: start with 169, then decrease).
- **Access number:** number of the door displayed

CONFIGURATION DISPOSITIF - 1	
Code fonction	Description code fonction
Pupitre principal	17
Adresse	Primaire
Service A/0	Primaire : 1
000	
Nombre d'étage	N° premier étage
Nombre d'étage: 1	N° premier étage: 2
N° première chambre	position du N° de service
0	position du N° de service: 0
Type de caractère pour le service	
Chiffre	

CONFIGURATION DISPOSITIF - 1	
Code fonction	Description code fonction
Système anti errance	109
Adresse	
Service D	
070	
numéro accès	
numéro accès: 9	

Parameter setting (continued)

VIRTUAL DEVICE CONFIGURATION (CONTINUED)

Door unit Cat. No. 0 766 06/07

- **Address** = product address. Department no. for the room and 0: address of the room which will be displayed according to the parameters of the main control unit.
- **Bed 1 present:** Yes/No
- **Bed 2 present:** Yes/No
- **Bathroom:** Yes/No. Bathroom pull-cord present in the room.
- **Biomedical contact:** Biomedical contact present in the room.
- **Corridor overdoor light unit:** selection of the colours in the corridor.

- **Acknowledgement mode for a bathroom call:** if there is a bathroom pull-cord, the call can be acknowledged either by a pushbutton in the bathroom or on the door unit

Corridor display unit:

Cat. No. 0 766 04 / 0 766 05

- **Address** = product address. Department no. for the monitored door and 0: SCS address of the product (additional products: start with 169, then decrease).
- **Buzzer activated:** Yes/No. For making the display unit ring or not when a call is made.

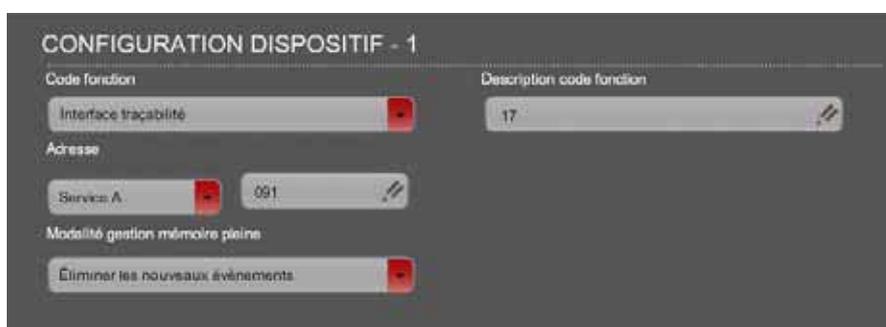
Secondary control unit:

Cat. No. 0 766 09

- **Address** = product address. Department no. for the monitored door and 0: SCS address of the product (additional products: start with 169, then decrease).

Traceability interface:
Cat. No. 0 766 17

- **Address** = product address. Department no. for the monitored door and 0: SCS address of the product (additional products: start with 169, then decrease).
- **Full memory management process:** either overwrite the oldest events or stop saving events.



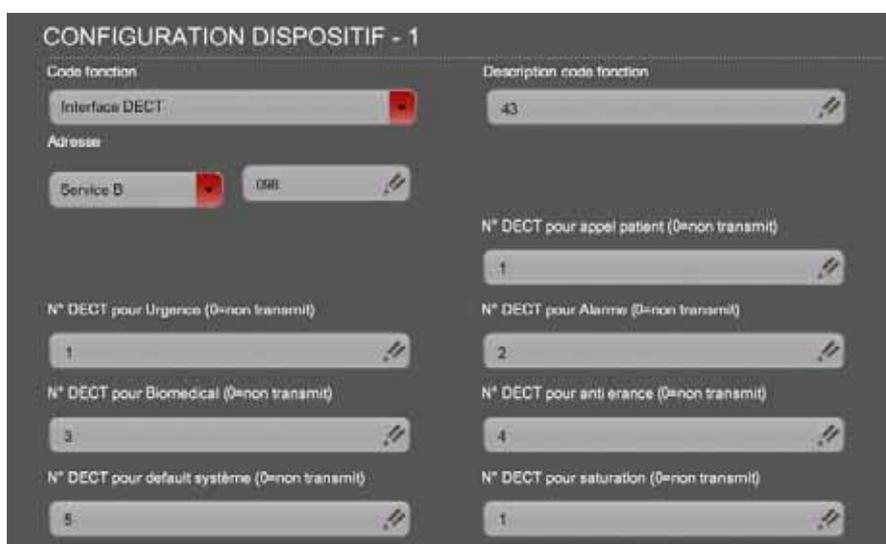
Gateway: Cat. No. 0 766 10
(the product ID is mandatory for parameter setting)

- **Address** = product address. Department no. for the monitored door and 0: SCS address of the product (additional products: start with 169, then decrease).



DECT interface Cat. No. 0 766 19

- **Address** = product address. Department no. for the monitored door and 0: SCS address of the product (additional products: start with 169, then decrease).
- **DECT no. for xxxxx:** corresponds to the Caller no. in the ESPA 444 frame linked to an event type.



Parameter setting (continued)

VIRTUAL DEVICE CONFIGURATION (CONTINUED)

Save the project

For building maintenance the product configuration must be saved (in the event that parameters are set again or if a replacement is required).

• **Procedure:** carry out a complete scan of the installation

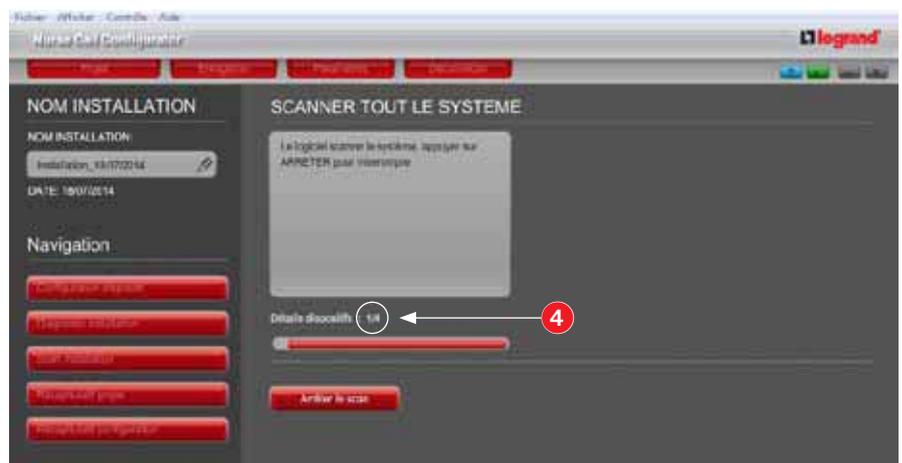
- 1 Go to Scan installation
- 2 Select Request for entire installation/Find all devices
- 3 Start the scan



A message appears, warning that the nurse call system is inoperative during parameter setting.



- 4 Check that the total number of products scanned corresponds to the number of products installed on the BUS (example: x/4 therefore 4 BUS products in the installation).



The result of the scan is displayed.

Each product is shown by its catalogue number and its ID number.

Do not save the project at this stage. If you save it, the file will be empty.



5 At the end of the scan, copy the results to the Project (select then).

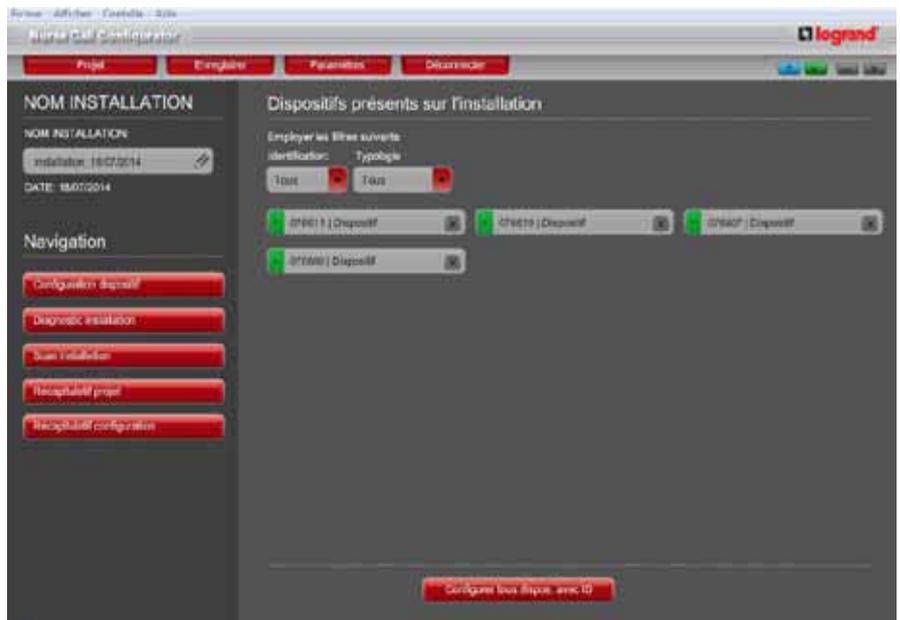


Parameter setting (continued)

VIRTUAL DEVICE CONFIGURATION (CONTINUED)

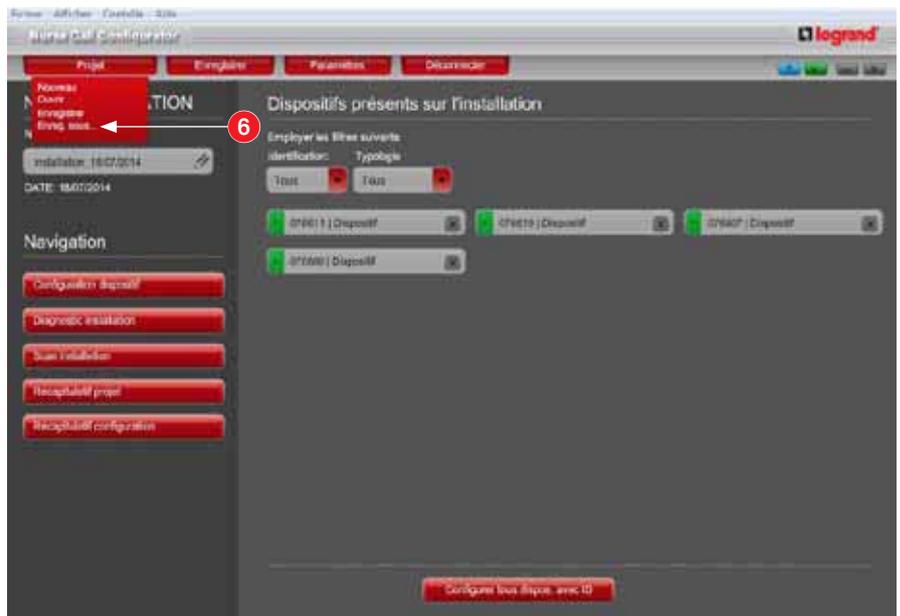
Once the copy has been carried out, the ID numbers no longer appear.

To show the ID numbers, place the mouse arrow over a product (a label appears).



6 To save, go to Project/Save As...

This backup enables you to recover the configuration of the products in the installation.



NOTE: Legrand recommends that you restart the software and open the backup file to check that the project has been saved correctly.

Numbering examples

 The SCS addressing range is from no. 1 to no. 169.

1. One department per floor (department only including one floor):

Department 0 located on the ground floor: Room numbers from 0020 to 0189	
Parameter	Value
Address	A/000
Number of floors	1
First room number	19
First floor number	0
Character type for the department	Figure
Position of the department no.	0

Department 1 located on the 1 st floor: Room numbers from 1001 to 1170	
Parameter	Value
Address	B/000
Number of floors	1
First room number	0
First floor number	0
Character type for the department	Figure
Position of the department no.	0

2. Multiple departments on the same floor:

Department 0 located on the 2 nd floor: Room numbers from 2020 to 2098	
Parameter	Value
Address	A/000
Number of floors	1
First room number	19
First floor number	2
Character type for the department	Figure
Position of the department no.	1

Department 1 located on the 2 nd floor: Room numbers from 2101 to 2199	
Parameter	Value
Address	B/000
Number of floors	1
First room number	00
First floor number	2
Character type for the department	Figure
Position of the department no.	1

3. One department stretching across multiple floors:

Department 2 with 3 levels: Room numbers from 2301 to 2399/2400 to 2499/2530 to 2599	
Parameter	Value
Address	C/000
Number of floors	1
First room number	00
First floor number	3
Character type for the department	Figure
Position of the department no.	0

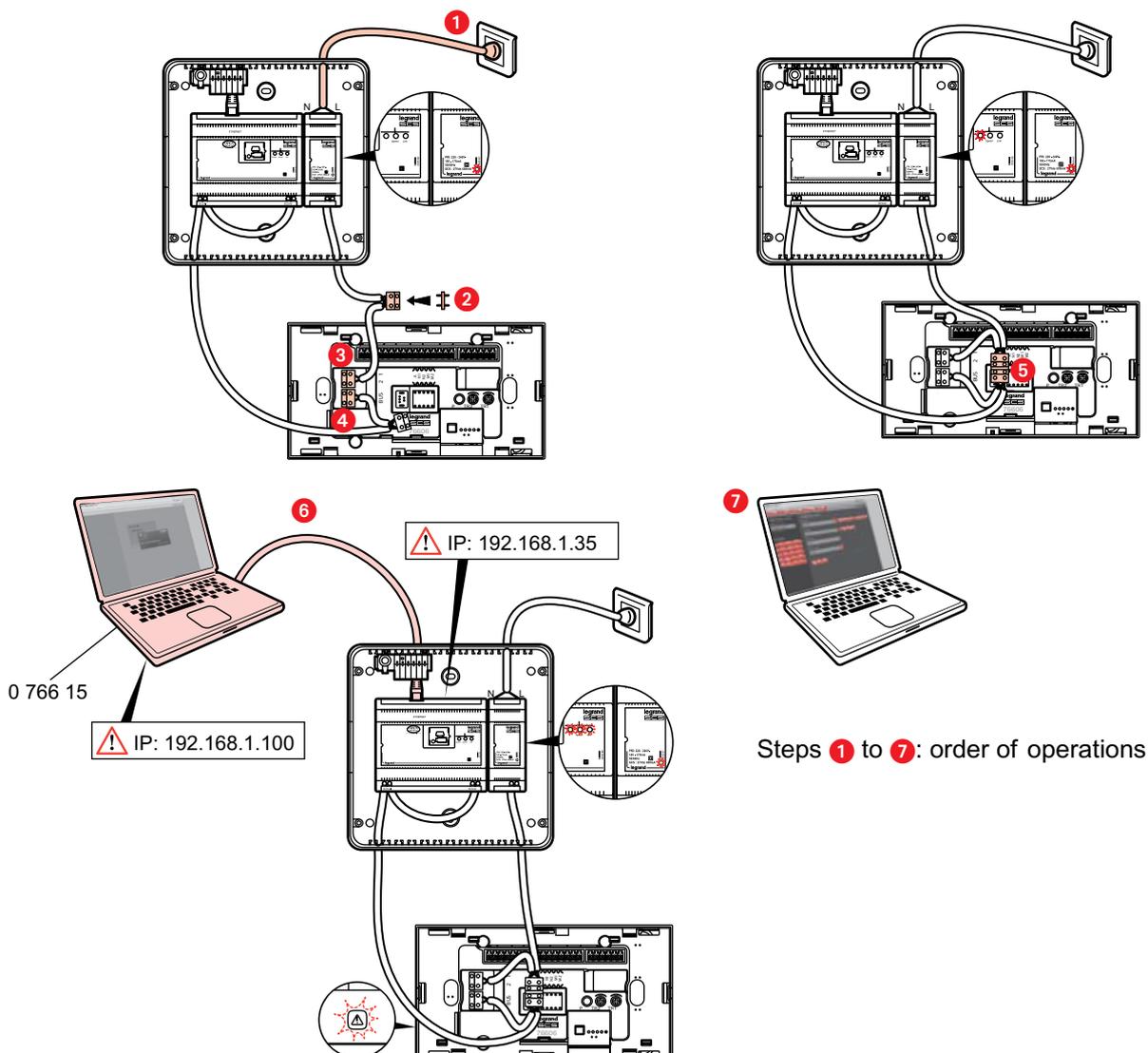
Department 2 with 3 levels: Room numbers from 3320 to 3399/4320 to 4399/5320 to 5399	
Parameter	Value
Address	C/000
Number of floors	1
First room number	19
First floor number	3
Character type for the department:	Figure
Position of the department no.	1

Procedure for replacing a faulty BUS/SCS product in virtual configuration

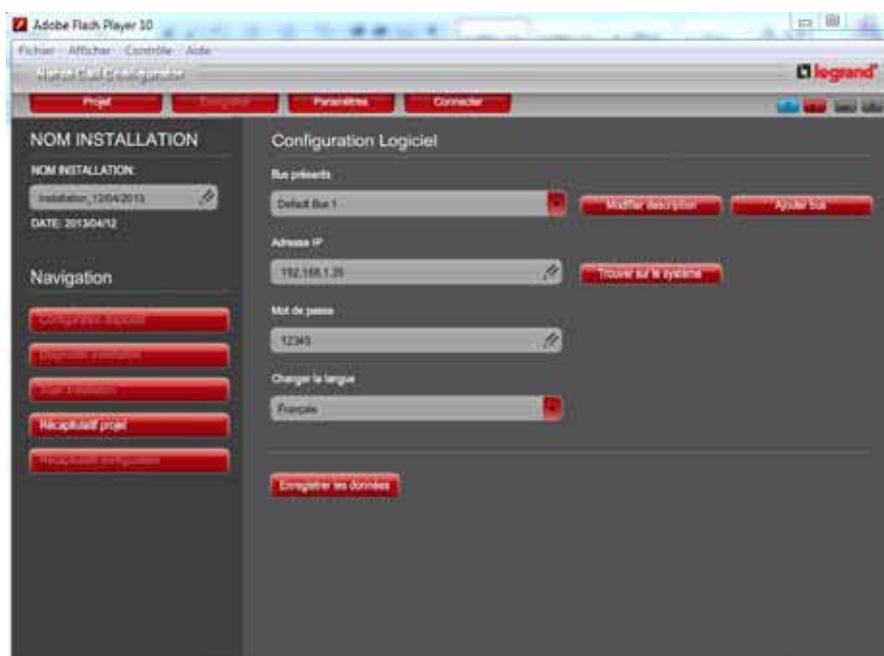
PROCEDURE OUTSIDE THE INSTALLATION (STANDALONE MODE)

⚠ Note: a product must be replaced by a product with the same catalogue number.
The production date of the new product must be later than 12W26

- ① Take a note of the ID number of the faulty product in the department.
- ② Take a note of the ID number of the new product.
- ③ Connect the PC to the new product using the configuration kit Cat. No. 0 766 16.



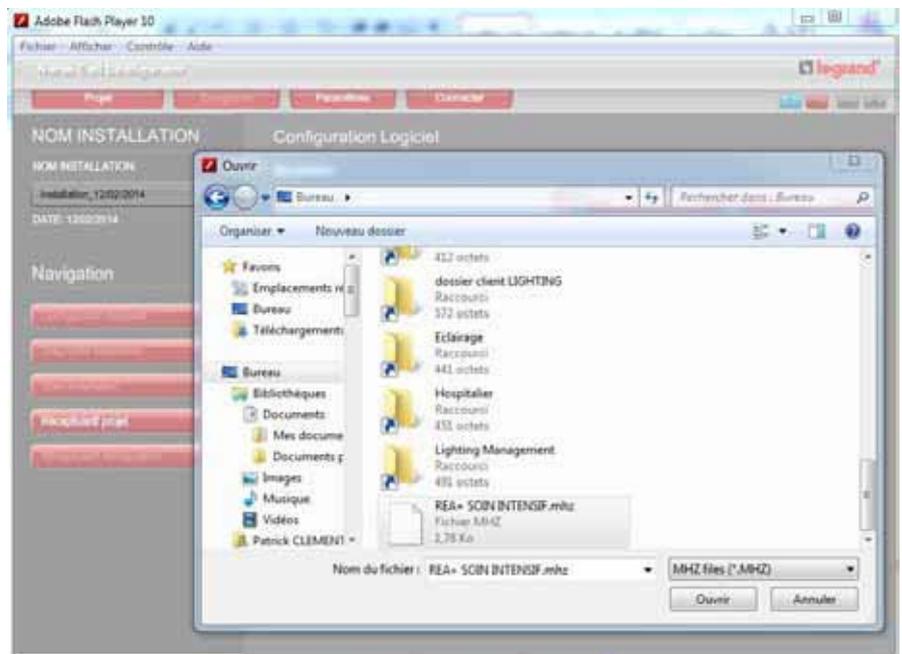
- ④ Start the Nurse Call Configurator software Cat. No. 0 766 15.



Procedure for replacing a faulty BUS/SCS product in virtual configuration (continued)

PROCEDURE OUTSIDE THE INSTALLATION (STANDALONE MODE) (CONTINUED)

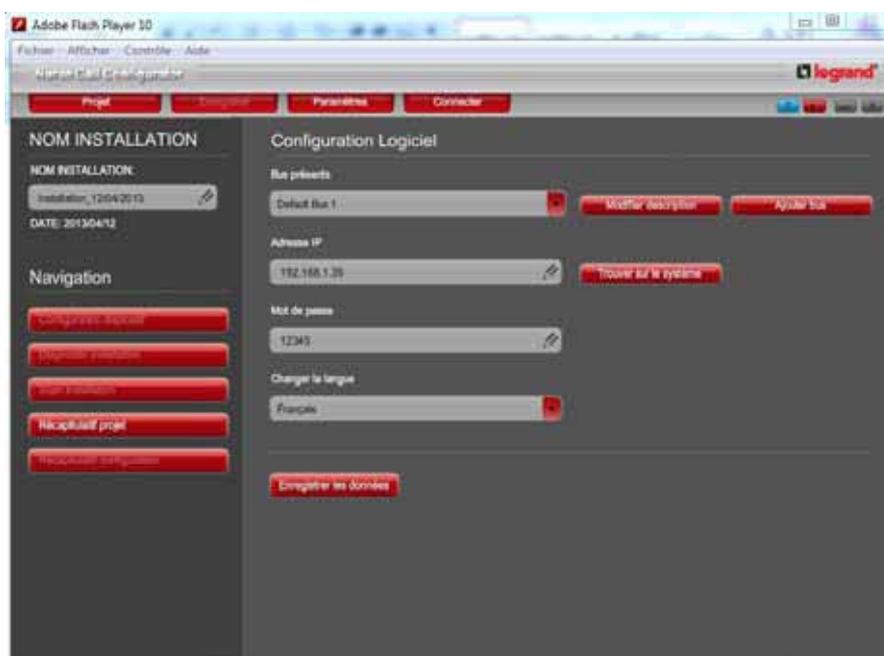
- ⑤ Click on the "Project" tab then on "Open" and open the backup file for the installation (.mhz file).



- ⑥ The file opens at the page showing all the devices in the installation. Click on the "Parameters" tab to access the configuration page for connection to the kit.



- ⑦ Enter the IP address of the configuration kit (default address: 192.168.1.35 and default password: 12345) to connect the software to the system. Click on "Save data" to save the modifications then click on "Project summary".



- ⑧ Select the faulty product using its ID number (to display the ID numbers, place the mouse cursor over each product).



Procedure for replacing a faulty BUS/SCS product in virtual configuration (continued)

PROCEDURE OUTSIDE THE INSTALLATION (STANDALONE MODE) (CONTINUED)

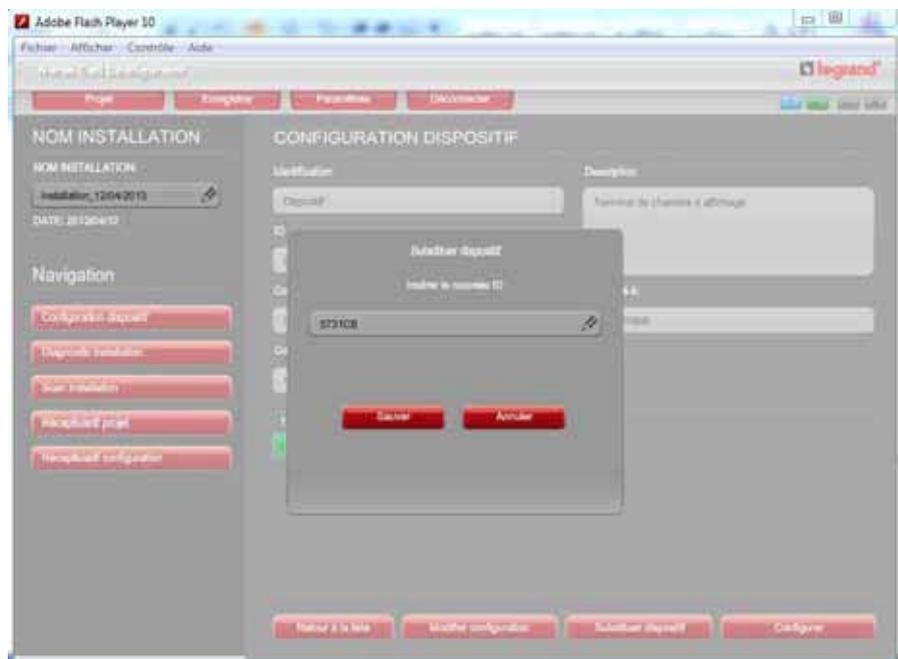
⑨ Click on "Replace device".



⑩ Click on "Continue".



- ⑪ Enter the ID number of the new product then save.



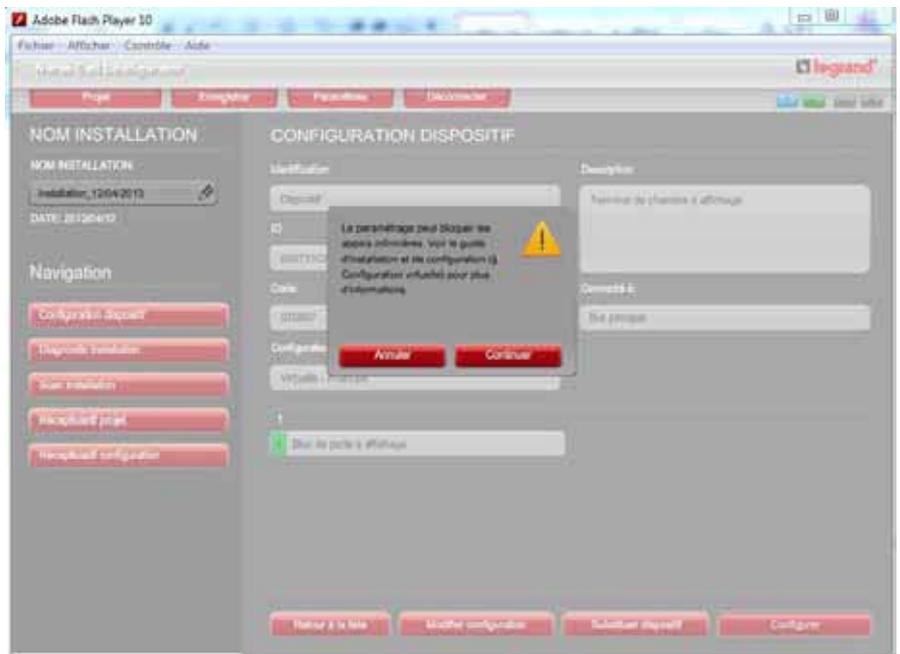
Check that the ID number has been updated correctly, then click on "Configure".



Procedure for replacing a faulty BUS/SCS product in virtual configuration (continued)

PROCEDURE OUTSIDE THE INSTALLATION (STANDALONE MODE) (CONTINUED)

A dialogue box appears. Click on "Continue" then on "Close".



Commissioning

POWER ON

 Do not fully clip on the units before commissioning is complete.

Recommendations (see p. 4)

- 1 Only connect one door unit and disconnect the indicator and bus power supplies to the other rooms (door unit).
- 2 Set the circuit breaker for the bus and indicator power supplies to ON.
- 3 Check that the green power indicator is on.
- 4 Set the door unit parameters using physical configuration (using configurators) or virtual configuration (for software).
- 5 Test the local operation of a room (hand-held remote control unit, call pull cord, corridor light unit and door unit).
- 6 Issue a room recognition confirmation on the nurses' control unit.

SETTING UP A DEPARTMENT

Changing the language on the nurses' control unit



- Go to the configuration menu by pressing both scroll buttons at the same time.
- Use the arrows to select **Install/Configuration** from the main menu then confirm using the green button.
- Select the **Language** tab and confirm, then use the arrows to select the required language and confirm with the green button.

Exit the menu and return to the main menu



- Select the **Back** tab, then confirm with the green button.

Zone (department) recognition



- Select **Install/Configuration** from the main menu using the arrows, then confirm with the green button.
- Now select the **Zone Recognition** menu. Confirm with the green button.
- To start the recognition procedure, select **Start procedure**, then confirm with the green button.
- The progress bar shows the progress of the procedure.
- Once the procedure has finished, check that all installed products are present. To do so, select the table with the arrows and confirm using the green button.
- The unit can display all addresses found for each type of product: select the product type (RT, CD, WS, etc.) with the arrows and confirm using the green button.
- To return to the previous menu select **Back** then confirm with the green button.

7 If the room is detected, reconnect and test the other rooms one at a time (see step no. 4).

8 Once all the rooms are connected, issue a department recognition confirmation from the main control unit.
Check that all rooms are present.

NS = Nurses' control unit Cat. No. 0 766 11

RT = Room unit Cat. No. 0 766 06/07

CD = Corridor display unit Cat. No. 0 766 04/05

WS = Wandering prevention unit Cat. No. 0 766 06

TRACE = Traceability interface Cat. No. 0 766 17

DECT = DECT interface Cat. No. 0 766 19

GW = Gateway Cat. No. 0 766 10

2NS = Secondary nurses' control unit
Cat. No. 0 766 09

9 Check overall operation.

10 Clip on all the door units.

Commissioning (continued)

SETTING UP A DEPARTMENT (CONTINUED)

Configuring department transfers



- Go back to the configuration menu by pressing both scroll buttons at the same time.
- Use the arrows to select **Install/Configuration** from the main menu then confirm using the green button.
- Select the **Department grouping** menu. Confirm with the green button.
- To start the recognition procedure, select **Start procedure**, then confirm with the green button.
- The progress bar shows the status of the procedure.
- Once the procedure is complete, select the departments to be grouped (maximum of 3).
- To return to the previous menu select **Back** then confirm with the green button.
- Carry out the same procedure for all departments that will be authorised to forward calls.

Remember to write down the departments to which calls can be forwarded on the memo sheet by the nurses' control unit (department transfers).

COMMISSIONING THE DECT INTERFACE CAT. NO. 0 766 19

Example of interface configuration:

A: indicates the zone to which the device belongs

A = 1
 N1 = 9
 N2 = 9
 M1 = 4



Configuration of the DECT interface

Cat. No. 0 766 19:

Allows all messages to be forwarded over DECT (call, emergency, alarm and error)

A: indicates the zone to which the device belongs (0 to 9)

N1: indicates the device address (0 to 9)

N2: indicates the device address (0 to 9)

M1: type of message sent on the ESPA444

Config. M1	Error message	Alarm	Emergency	Call
1	✓	X	X	X
2	✓	✓	X	X
3	✓	✓	✓	X
4	✓	✓	✓	✓

Tip: use the OCC software to check that the ESPA 444 protocol is working correctly.

Commissioning (continued)

Communication parameters

- Speed: 9600 bauds
- Data bits: 7
- Parity: even
- Bit stop: 1

Message sent in ESPA 444

1 [ENQ]	2 [ENQ]	[ACK]	[SOH] 1 [STX]	1 [US] T03 [RS]	2[US]C002- !!! [RS]	6[US]1[RS]	4[US]3[RS]	3[US]7[ETX]	[ACK]	[EOT] [EOT] [EOT]
			Message type	Call no. = T03	Message to be transmitted: C002- !!!	Message priority = Normal	Call type = Standard	Type of audible signal Beep coding = 7	2 responds	End of message

Example of message: **C002- !!!** To be read: extreme emergency in zone C, room no. 002 from the door unit

Zone no.	Room no.						Call source	Event
	001	031	061	091	121	151	Empty (door unit)	Empty (nothing)
B	002	032	062	092	122	152	1 (bed 1)	! (nurse call)
C	003	033	063	093	123	153	2 (bed 2)	!! (emergency call)
D	004	034	064	094	124	154	W (WC/bathroom)	!!! (extreme emergency call)
E	005	035	065	095	125	155	B (biomedical emergency)	
F	006	036	066	096	126	156	P (nurse presence)	
G	007	037	067	097	127	157	E (system fault)	
H	008	038	068	098	128	158		
I	009	039	069	099	129	159		
J	010	040	070	100	130	160		
	011	041	071	101	131	161		
	012	042	072	102	132	162		
	013	043	073	103	133	163		
	014	044	074	104	134	164		
	015	045	075	105	135	165		
	016	046	076	106	136	166		
	017	047	077	107	137	167		
	018	048	078	108	138	168		
	019	049	079	109	139	169		
	020	050	080	110	140	170		
	021	051	081	111	141	171		
	022	052	082	112	142	172		
	023	053	083	113	143	173		
	024	054	084	114	144	174		
	025	055	085	115	145	175		
	026	056	086	116	146			
	027	057	087	117	147			
	028	058	088	118	148			
	029	059	089	119	149			
	030	060	090	120	150			

Event	Message	Description
Nurse present	A001-P	<i>Nurse present in room A:001</i>
Nurse call	A001-# !	<i>Nurse call from the source # in room A:001</i>
Emergency call	A001-# !!	<i>Emergency call from the source # in room A:001</i>
Extreme emergency call (blue code)	A001-# !!!	<i>Extreme emergency call 📞 from source # in room A:001</i>
Biomedical alarm	A001-B !!!	<i>Biomedical emergency in room A:001</i>
Escape alarm	A009-WS!!	<i>Escape alert, door no. 9 in department A</i>
System fault	A001-E+	<i>System fault in room A:001</i>
BUS/SCS overload	A-SCS overload	<i>BUS/SCS overload (communication) in department A</i>

# = Call source	
Door unit	
Bed 1	1
Bed 2	2
Bed 3	3
Bed 4	4
WC/bathroom	W

Note:

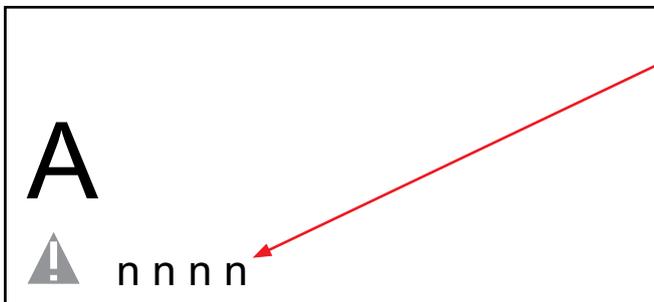
Check with the manufacturer of the telephone coupling product. They will guide you based on the information contained in these final 2 pages. These manufacturers generally have a helpline.

Maintenance codes and software version (visible on nurse's control unit)



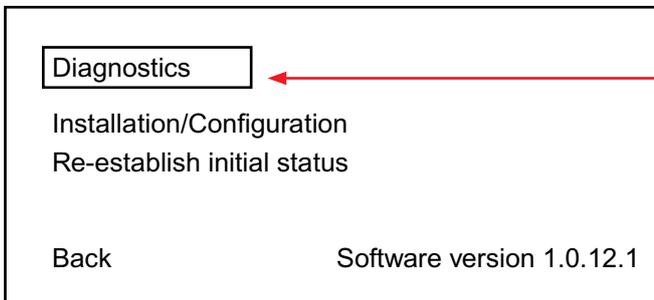
Software version and mechanical version: refer to the last page of the manual.

DIAGNOSTICS



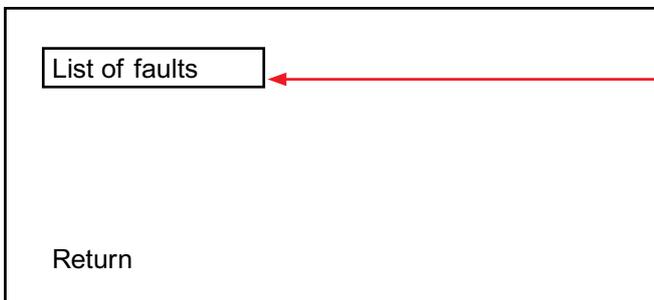
This symbol represents an anomaly within the department. "nnnn" is the number of the room which has a fault.

Press both buttons simultaneously to access the nurses' control unit menu



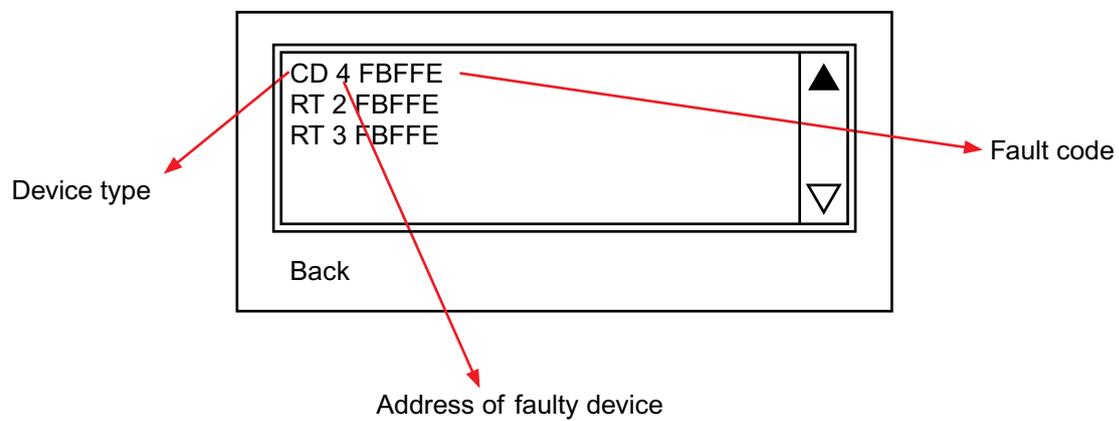
Confirm by pressing 

It will only be possible to view the details of faults after recognising the zone.



Confirm by pressing 

List of faulty devices



NS = Nurses' control unit Cat. No. 0 766 11

RT = Room unit Cat. No. 0 766 06/07

CD = Corridor display unit Cat. No. 0 766 04/05

WS = Wandering prevention unit Cat. No. 0 766 06

TRACE = Traceability interface Cat. No. 0 766 17

DECT = DECT interface Cat. No. 0 766 19

GW = Gateway Cat. No. 0 766 10

2NS = Secondary nurses' control unit Cat. No. 0 766 09

Maintenance codes (visible on nurses' control unit)



NURSE'S CONTROL UNIT FAULT CODE

N	S	n	n	n	n	#	#	#	#	#	#
----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------

	Not used. If not FF or F6, there is a product fault, call Legrand customer service.
--	---

F	Not used
----------	----------

F	Not used
----------	----------

F	OK
D,C,9,8,5,4,1,0	Indicator power supply fault
B,A,9,8,3,2,1,0	BUS/SCS power supply fault
7,6,5,4,3,2,1,0	Screen fault
E,C,A,8,6,4,2,0	Memory fault

F	OK
E,C,A,8,6,4,2,0	Interphone module fault
D,B,9,7,5,3,1	Invalid code



SECONDARY CONTROL UNIT FAULT CODE

2	N	S	n	n	n	n	#	#			#	#
---	---	---	---	---	---	---	---	---	--	--	---	---

Not used.
If not FF or F6, there is a product fault, call Legrand customer service.

F	Not used
---	----------

F	Not used
---	----------

F	OK
D,C,9,8,5,4,1,0	Power supply fault indicator
B,A,9,8,3,2,1,0	Power supply fault BUS/SCS
7,6,5,4,3,2,1,0	Screen fault
E,C,A,8,6,4,2,0	Memory fault

F	OK
E,C,A,8,6,4,2,0	Interphone module fault
D,B,9,7,5,3,1	Invalid code

Maintenance codes (visible on the nurses' control unit) (continued)



DOOR UNIT FAULT CODE

R	T	n	n	n	n	#	#	#	#	#	#										
						<p>Not used. If not FF or F6, there is a product fault, call Legrand customer service.</p>															
						<table border="1"> <tr> <td>E,C,A,8,6,4,2,0</td> <td>LED fault on bed 1 hand-held remote control unit</td> </tr> <tr> <td>D,C,9,8,5,4,1,0</td> <td>LED fault on bed 2 hand-held remote control unit</td> </tr> <tr> <td>B,A,9,8,3,2,1,0</td> <td>LED fault on bathroom hand-held remote control unit</td> </tr> <tr> <td>7,6,5,4,3,2,1,0</td> <td>Bed 1 hand-held remote control unit disconnected</td> </tr> <tr> <td>F</td> <td>OK</td> </tr> </table>						E,C,A,8,6,4,2,0	LED fault on bed 1 hand-held remote control unit	D,C,9,8,5,4,1,0	LED fault on bed 2 hand-held remote control unit	B,A,9,8,3,2,1,0	LED fault on bathroom hand-held remote control unit	7,6,5,4,3,2,1,0	Bed 1 hand-held remote control unit disconnected	F	OK
E,C,A,8,6,4,2,0	LED fault on bed 1 hand-held remote control unit																				
D,C,9,8,5,4,1,0	LED fault on bed 2 hand-held remote control unit																				
B,A,9,8,3,2,1,0	LED fault on bathroom hand-held remote control unit																				
7,6,5,4,3,2,1,0	Bed 1 hand-held remote control unit disconnected																				
F	OK																				
						<table border="1"> <tr> <td>E,C,A,8,6,4,2,0</td> <td>Bed 2 hand-held remote control unit disconnected</td> </tr> <tr> <td>D,B,7,5,3,1</td> <td>Code not valid</td> </tr> <tr> <td>F</td> <td>OK</td> </tr> </table>						E,C,A,8,6,4,2,0	Bed 2 hand-held remote control unit disconnected	D,B,7,5,3,1	Code not valid	F	OK				
E,C,A,8,6,4,2,0	Bed 2 hand-held remote control unit disconnected																				
D,B,7,5,3,1	Code not valid																				
F	OK																				
						<table border="1"> <tr> <td>E,C,A,8,6,4,2,0</td> <td>Memory fault</td> </tr> <tr> <td>D,C,9,8,5,4,1,0</td> <td>Indicator power supply fault</td> </tr> <tr> <td>B,A,9,8,3,2,1,0</td> <td>BUS/SCS fault</td> </tr> <tr> <td>7,6,5,4,3,2,1,0</td> <td>Screen fault (0 766 07)</td> </tr> <tr> <td>F</td> <td>OK</td> </tr> </table>						E,C,A,8,6,4,2,0	Memory fault	D,C,9,8,5,4,1,0	Indicator power supply fault	B,A,9,8,3,2,1,0	BUS/SCS fault	7,6,5,4,3,2,1,0	Screen fault (0 766 07)	F	OK
E,C,A,8,6,4,2,0	Memory fault																				
D,C,9,8,5,4,1,0	Indicator power supply fault																				
B,A,9,8,3,2,1,0	BUS/SCS fault																				
7,6,5,4,3,2,1,0	Screen fault (0 766 07)																				
F	OK																				
						<table border="1"> <tr> <td>E,C,A,8,6,4,2,0</td> <td>Interphone module fault</td> </tr> <tr> <td>D,C,9,8,5,4,1,0</td> <td>Red corridor lamp fault</td> </tr> <tr> <td>B,A,9,8,3,2,1,0</td> <td>Green corridor lamp fault</td> </tr> <tr> <td>7,6,5,4,3,2,1,0</td> <td>White corridor lamp fault</td> </tr> <tr> <td>F</td> <td>OK</td> </tr> </table>						E,C,A,8,6,4,2,0	Interphone module fault	D,C,9,8,5,4,1,0	Red corridor lamp fault	B,A,9,8,3,2,1,0	Green corridor lamp fault	7,6,5,4,3,2,1,0	White corridor lamp fault	F	OK
E,C,A,8,6,4,2,0	Interphone module fault																				
D,C,9,8,5,4,1,0	Red corridor lamp fault																				
B,A,9,8,3,2,1,0	Green corridor lamp fault																				
7,6,5,4,3,2,1,0	White corridor lamp fault																				
F	OK																				



FAULT CODE ON CORRIDOR DISPLAY UNIT

C	D	n	n	n	n	#	#	#	#	#	#
---	---	---	---	---	---	---	---	---	---	---	---

Not used. If not FF or F6, there is a product fault, call Legrand customer service.

F	Not used
---	----------

F	Not used
---	----------

F	OK
D,C,9,8,5,4,1,0	Power supply fault
B,A,9,8,3,2,1,0	BUS/SCS fault
7,6,5,4,3,2,1,0	Display unit disconnected
E,C,A,8,6,4,2,0	Memory fault

F	Not used
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Maintenance codes (visible on the nurses' control unit) (continued)



GATEWAY FAULT CODE

G	W	n	n	n	n	#	#	#	#	#	#
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Not used. If not FF or F6, there is a product fault, call Legrand customer service.

F	Not used
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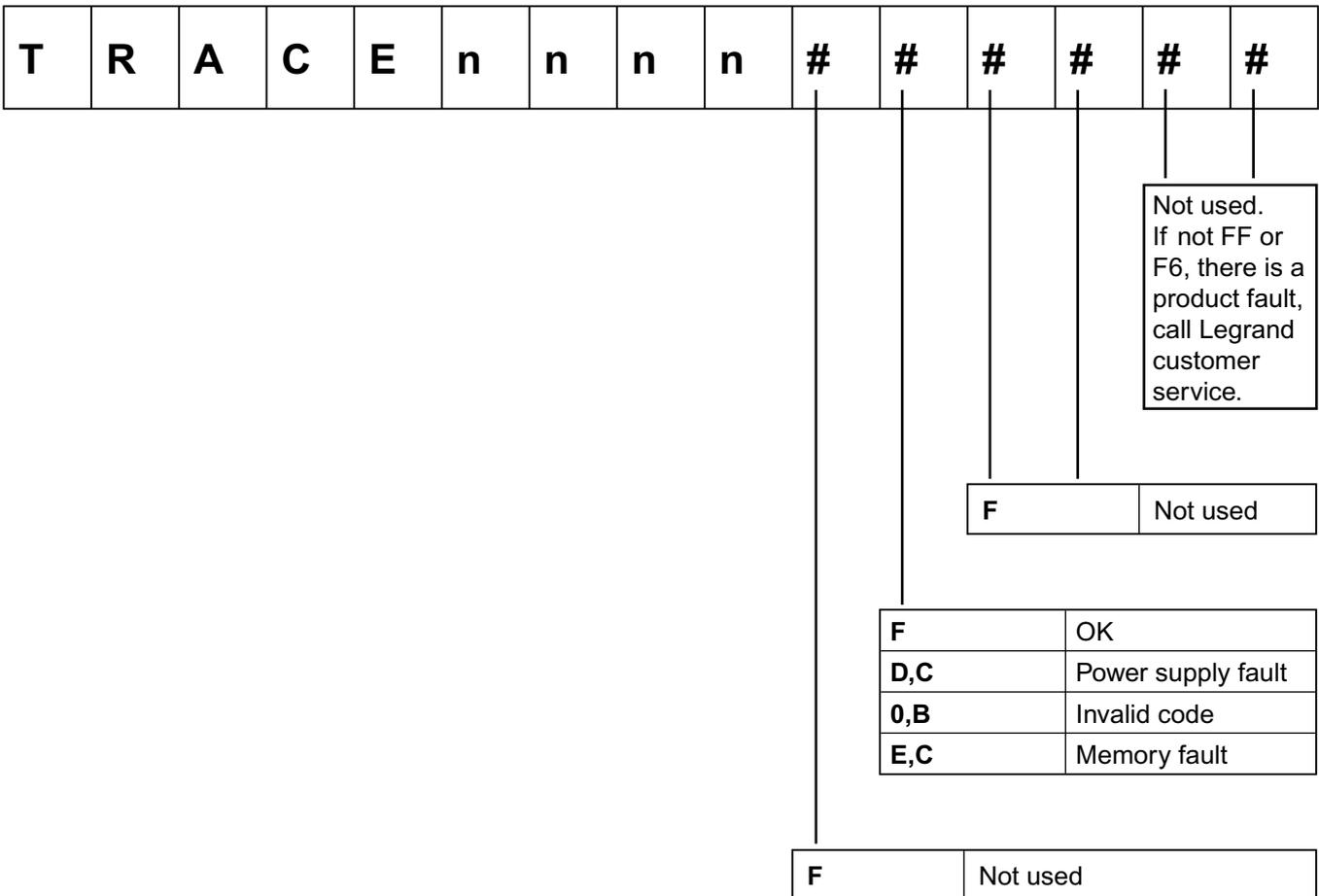
F	Not used
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F	OK
D,C,9,8	Indicator power supply fault
B,A,9,8	BUS/SCS fault
6,5,4,3,2,1,0	Invalid code
E,C,A,8	Memory fault

F	Not used
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FAULT CODE ON THE TRACEABILITY INTERFACE



Maintenance codes (visible on the nurses' control unit)(continued)



DECT INTERFACE FAULT CODE

D	E	C	T		n	n	n	n	#	#	#	#	#	#
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													Not used If not FF or F6, there is a product fault, call Legrand customer service.	
										F		Not used		
										F		OK		
										D,C,9,8,5,4,1,0		Power supply fault		
										B,A,9,8,3,2,1,0		BUS/SCS fault		
										7,6,5,4,3,2,1,0		RS232 cable disconnected (no longer linked to the PABX)		
										E,C,A,8,6,4,2,0		Memory fault		
										F		Not used		



ANTI-WANDERING UNIT FAULT CODE

W	S	n	n	n	n	#	#	#	#	#	#
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Not used. If no FF or F6 product fault, call Legrand customer service.

D	Contact fault alarm
F	OK

F	OK
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E,C,A,8,6,4,2,0	Memory fault
D,C,9,8,5,4,1,0	Indicator power supply fault
B,A,9,8,3,2,1,0	BUS/SCS fault
7,6,5,4,3,2,1,0	Screen fault (0 766 07)
F	OK

D,C,9,8,5,4,1,0	Red corridor lamp fault
F	OK

Changes to products

CAT. NOS.	DESCRIPTION	VERSION	CHANGE	APPLICATION DATE:
0 766 11/09	Control unit	1.0.12	Created	11W45
0 766 06/07	Door unit	01/01/2011	Virtual configuration compatible	12W26
0 766 08	Interphone module			
0 766 10	BUS/SCS extension	01/02/2010	Update for 0 782 19 (bed extension)	13W09
0 766 04/05	Corridor display unit			

0 766 19	DECT interface	1.0.12	Created	11W45
		1.1.11	Compatible with virtual configuration	12W26
		1.2.10	Update for 0 782 19 (bed extension)	13W09
		1.2.16	Update of technical messages	14W07
0 766 17	Traceability interface	1.1.14	Created	12W26
		1.2.10	Update for 0 782 19 (bed extension)	13W30
0 766 18	Traceability software	1.0.4778.74	Created	13W30
0 782 19	Bed extension	1.2.10	Created	13W08
0 782 40	1-button hand-held remote control unit	1	Created	11W41
0 782 42	3-button hand-held remote control unit	1	Created	11W41
		2	Addition of mechanical end stops on control buttons	13W36
0 782 44	6-button hand-held remote control unit	1	Created	11W41
		2	Addition of mechanical end stops on control buttons	13W47
0 782 41/45/46/47	Magnetic socket	1	Created	11W41
0 782 48	Bathroom pull-cord	1	Created	11W45
			Increased production control	13W49
0 782 49/51	Special call button	1	Created	11W45
0 766 16	Configuration kit	1	Created	12W26
			Change in box	13W26
0 766 15	Virtual configuration software	1	Created	12W26
		2.2	Change for bed extension	13W09
0 766 70	3-colour indicator	1	Created	11W45

Troubleshooting assistance

FAULT TYPE	DIAGNOSTICS
Door unit Cat. No. 0 766 06 or 0 766 07 flashes, displaying the software version number.	Add the configurator on the door unit in position M2 which must be 1 or 2. See physical device configuration table in the <i>Parameter setting</i> section (door units 0 766 06/07)
A transient fault on the door unit (between 1 and 30 s): ⚠	-Check if the hand-held remote control unit common (calls) is connected to the correct terminal
Door unit "burnt" (smell of burnt electronic component)	Check the wiring on terminal 19: there is either a short-circuit between the common and terminal 19, or excess voltage on terminal 19
The overdoor light unit is not working	Check the indicator power supply and its polarity



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