ASSISTED LIVING SOLUTIONS FOR THE HEALTHCARE SECTOR



INSTALLATION AND USAGE GUIDE



Contents

STANDALONE SOLUTION (for room and ward)

4 INSTALLATION PRINCIPLE

- 4 Example room installation
- 5 Example ward installation

6 DEVICE PRESENTATION AND INSTALLATION

- 6 Automatic switch Cat. No. 0 784 54
- 8 2-module illuminated signage
- **10** Above door illuminated signage Cat. No. 0 785 22
- **11** Ceiling mount switch sensor Cat. No. 0 488 06
- **12** Push-button Cat. No. 0 787 15
- **13** Configuration tool Cat. No. 0 882 30

14 WIRING

- **14** Wiring for room lighting only
- **15** Wiring for room and bathroom lighting
- **16 CONFIGURATION**
- **17 COMMISSIONING**

Contents

SYSTEM SOLUTION (for ward and building)

18	INSTALLATION PRINCIPLE	29	Ceiling mount BUS/SCS multifunction controller
18	Actimetry system solution		Cat. No. 0 488 47
18	Example room installation	30	Remote control module Cat. Nos 0 783 77/78/79
19	Example ward installation	31	Call and control hand-held remote control unit
20	Wiring example for maximum BUS lengths		Cat. No. 0 782 44
21	DEVICE PRESENTATION AND INSTALLATION	32 32 33	2-module contact interface Cat. No. 0 035 53 BUS/SCS contact interface Cat. No. 5 739 96
21	BUS/SCS automatic sensor Cat. No. 0 784 90	33	controller Cot No. 0.028.42
23 25	Illuminated signage Above door illuminated signage Cat. No. 0 785 22	34 34	Zone controller Cat. No. 0 036 42 BUS/SCS power supply Cat. No. 0 035 60
26	Ceiling mount BUS/SCS automatic sensor Cat. No. 0 488 22	35 36 37	SCS-SCS extension Cat. No. 0 035 62 BUS/SCS cable Cat. No. 0 492 33
27 28	ON/OFF lighting control Cat. No. 0 784 75 Ceiling mount BUS/SCS lighting controller	37	Actimetry software Cat. No. 0 783 80
	Cat. NO U 488 41	30	WIRING

More comprehensive information about the software will be available in a future edition of this brochure. For more information, please contact your local Legrand sales office.

Installation principle

EXAMPLE ROOM INSTALLATION

This type of installation allows patients to be more independent without compromising safety. As soon as the patient gets up, automatic sensors placed close to the bed activate the room lighting. The low-level lighting allows the patients to get their bearings and move around in complete safety, without being dazzled.



EXAMPLE WARD INSTALLATION





Device presentation and installation



AUTOMATIC SWITCH CAT. NO. 0 784 54

The automatic switch detects patient movement as soon as the patient gets up, activating the illuminated signage and pilot light.

To be installed in the room, 0.3 m from the ground, on each side of the bed and at the foot of the bed. Requires special configuration using the mobile configuration tool Cat. No. 0 882 30.

Technical characteristics

- Power supply: 100-240 V
- Consumption: in standby mode: 0.2 W
- Operating temperature: -5 to + 45°C
- Protection index: IP20
- Dimensions (H x W x D): 45 x 45 x 33.6 mm
- Installation:
- flush-mounted in 2-module box, min. depth
 40 mm, to be used with plate Cat. No. 0 788 02
 and support frame Cat. No. 0 802 51
 surface-mounted with support frame
- 180° infrared detection
- Light level threshold: 5 to 1275 lux
- Adjustable time delay: 5 secs to 30 mins
- Controls the following bulbs:
- 2000 W incandescent or halogen 230 V \sim
- 1000 VA, ELV halogen with ferromagnetic or electronic transformer
- 500 VA compact fluorescents
- 10 x (2 x 36) W for fluorescent tubes
- 500 VA for LEDs





PB: Pilot and low-level lighting control

AUTOMATIC SWITCH CAT. NO. 784 54 (CONTINUED)

Detection zone



Flush-mounted wall installation in flush-mounting box





Wall installation in surface-mounting box







ILLUMINATED SIGNAGE

White LED signage Cat. No. 0 785 20

Low-level bulkhead signalling light to be installed on skirting trunking, activated automatically when the patient gets up, so that the patient can get their bearings and go to the bathroom without assistance during the night.

Conforms to EN 62094-1.

Technical characteristics

- Power supply: 230 V
- Consumption:
- in standby mode: 0.2 W - max.: 1 W
- Operating temperature: 5 to + 50 °C
- Protection index: IP 41
- Dimensions (H x W x D): 45 x 45 x 32.7 mm
- Installation:

- flush-mounted in 2-module box, min. depth 40 mm, with plate Cat. No. 0 788 02 and support frame Cat. No. 0 802 51

- surface-mounted with support frame
- Luminous flux: 3.4 lumens



Connection

Flush-mounted wall installation in flush-mounting box



Surface-mounted wall installation with support frame





ILLUMINATED SIGNAGE (CONTINUED)

Pilot light Cat. No. 0 785 10

Bulkhead light to be installed in the bedhead strip for the pilot light, to make patient movement during the night easier and safer. Conforms to EN 62094-1.

Technical characteristics

- Power supply: 230 V
- Consumption:
 - min.: 0.2 W
 - max.: 1 W
- Operating temperature: 5 to + 50°C
- Protection index: IP 41
- Dimensions (H x W x D): 45 x 45 x 32.7 mm
- Installation: in special support frame for bedhead strip
- Luminous flux (for 1 W): 2.8 lumens

Dimensions



Connection



Installation in the bedhead strip





Supplied without label

Luminous flux: 5.2 lumens

This can be customised using labels available from the online catalogue under the heading "Find out more".

ABOVE DOOR ILLUMINATED SIGNAGE CAT. NO. 0 785 22

White LED bulkhead signalling light to be installed above the bathroom door. It is activated automatically when the patient gets up to allow the patient to get their bearings and to go to the bathroom without assistance during the night. Customisable labels can be affixed to the hinged window. Conforms to EN 62094-1.

Connection

Technical characteristics

- Power supply: 230 V
- Max. consumption: 1 W
- Operating temperature: 5 to + 50°C
- Protection index: IP 41
- Dimensions (H x W x D): 45 x 112.5 x 20 mm
- Installation:
- flush-mounted in 5-module box, min. depth 40 mm
- surface-mounted with support frame
- Luminous flux: 5.2 lumens



Flush-mounted wall installation in flush-mounting box



Surface-mounted wall installation with support frame





CEILING MOUNT SWITCH SENSOR FOR BATHROOM CAT. NO. 0 488 06

The 360° infrared and ultrasonic sensor has a very sensitive presence sensor and will activate at the slightest movement. It controls the light source in the bathroom. It can work on the ECO 1 (automatic light on/off) or ECO 2 (manual light on and automatic light off or manual off by pressing a button) setting. Requires special configuration using the mobile configuration tool Cat. No. 0 882 30.

Technical characteristics

- Power supply: 100 240V \sim
- Standby consumption: 0.8 W
- Operating temperature: 5 to + 45°C
- Protection index: IP 20
- Dimensions: 122 mm diameter
- Installation:
- directly into the ceiling using mounting claws (supplied)
- in a Batibox box, depth 50 mm, Cat. No. 0 800 31
 surface-mounted on ceiling using accessory Cat. No. 0 488 75
- Controls the following light sources:
- 2000 W max. halogen 230 V
- 1000 VA max. ELV halogen, fluorescent and fluorescent bulbs with ballast
- 500 W max. compact fluorescent and LED
- $-10 \times (2 \times 36)$ W for fluorescent tubes
- 360° infrared and ultrasonic detection
- Adjustable light level threshold: 5 to 1275 lux
- Adjustable time delay: 5 secs to 30 mins

Dimensions



Connection











PIR detection

		Low sensitivity (25%)	Medium sensitivity (50%)	High sensitivity (75%)	Very high sensitivity (100%)
		Ø (m)	Ø (m)	Ø (m)	Ø (m)
Height	2.5	4	6	6.5	8
(m)	3	5.5	6.5	8.5	11.5

US detection

		Low sensitivity (25%)	Medium sensitivity (50%)	High sensitivity (75%)	Very high sensitivity (100%)
		Ø (m)	Ø (m)	Ø (m)	Ø (m)
Height	2.5	4	4	6	11
(m)	3	6	6	8	13

CONTENTS

STANDALONE

Device presentation and installation (continued)



PUSH-BUTTON CAT. NO. 0 787 15

For manual switch on/off of ECO 2 automatic switches (Cat. No. 0 488 06).

Technical characteristics

- Typical: 6A 250 V \sim
- Operating temperature: 5 to + 50°C
- Antimicrobial
- Protection index: IP 20
- Dimensions: 45 x 45 x 22.6 mm
- Installation:
- flush-mounted in 2-module box, depth 40 mm
- surface-mounted with support frame

Flush-mounted wall installation in flush-mounting frame







Surface-mounted wall installation with support frame





CONFIGURATION TOOL CAT. NO. 0 882 30

For configuring the sensors.

- Digital programming to one decimal place on the digital screen
- Immediate programming control

• Option to store settings and apply saved settings to other sensors (preset configuration types by room (office, corridor, bedroom, bathroom, etc.) conforming to EN 12464)

• Lux light levels, infrared or ultrasonic technology priority...

 Ideal for sites with multiple rooms which require specific settings for each room (bedroom, bathroom, etc.)

Technical characteristics

- · Infrared communication technology (4m max.)
- Operating temperature: 5 to + 45°C
- Impact resistance: IK 04
- Recharging: with USB/mini USB cable (not supplied)





*USB /mini-USB cable not supplied with tool Cat. No. 0 882 30

Wiring for room lighting only

The room sensors activate the illuminated signage in the room. This solution allows the patient to go to the bathroom without assistance during the night.

The sensors only operate at night since they are configured to activate at low light level thresholds only.



Wiring for room and bathroom lighting

The sensors activate the room and bathroom lights simultaneously. Since the bathroom door frame lights up, this solution gives the patient horizontal and vertical reference points to help them get up and get their bearings. The patient can then go to the bathroom in complete safety (with the pilot and low level light activated).



Configuration

CONFIGURING THE SENSORS



Commissioning

COMMISSIONING ONE OR MORE ROOMS

- Use the remote control Cat. No. 0 882 30.
- Turn on the configuration tool (press OK until the screen lights up).
- Alter the settings according to the tables on the previous page.
- Save the following settings on the configuration tool in 3 files:
- Bedside (for Cat. No.0 784 54): "detect_bedside"
- Facing the bed (for Cat. No. 0 784 54): "detect_facing_bed"
- Bathroom (for Cat. No. 0 488 06): "toilets_brm"

Configuration

- To test functionality:
 - check that the correct lights are controlled
 - check the time delay settings
- check the brightness (blinds opened and closed)
- If the test achieves the desired settings, repeat the same configuration in the other rooms using the mobile configuration tool Cat. No. 0 882 30.

• If the test does not achieve the desired settings, alter the time delay settings and, if necessary, the light settings.

BUS/SCS and IP installation principle

The system installation offers patients a higher degree of safety and independence when going to the bathroom during the night. This installation also allows nursing staff to monitor patient activity, particularly during rest times and overnight, and remote control of the window blinds. All data can be viewed from the nurses' station using the actimetry software which provides PC-based reporting and ranks rooms according to the frequency of activity each day. The doctor can use this information to organise his/her round according to which patients moved around most during the night.

ACTIMETRY SYSTEM SOLUTION

Basic rules for installing the BUS/SCS assisted living lighting system with a supervisory system equipped with actimetry software

Assisted living lighting system products should be installed by a qualified electrician in strict accordance with the installation conditions and the operating instructions.

To ensure continuous operation during a mains failure, the system must be connected to an uninterruptible power supply (generator, etc.).

BUS/SCS and data cables must be placed in ELV cable ducting.

INSTALLATION EXAMPLE WITH CEILING MOUNT CONTROLLER

Room installation



INSTALLATION EXAMPLE



CONTENTS

BUS/SCS installation principle (continued)

WIRING EXAMPLE FOR MAXIMUM LENGTHS OF THE BUS SYSTEM

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 which can be connected to the BUS system depends on the total power required. 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 design 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.

If distances or required BUS power is exceeded, it is possible to extend the installation using BUS extension Cat. No. 0 035 62 or an IP interface Cat No. 0 026 45 (zone controller) which allows connection to the IP infrastructure.



Device presentation and installation



BUS/SCS AUTOMATIC SENSOR CAT NO. 0 784 90

The sensor activates the illuminated signage and allows the patient to get their bearings when they get up in the night. Once connected to the lighting actimetry software, it allows staff to monitor patient activity remotely.

It is installed in the room, 30 cm from the ground.

Technical characteristics

- Power supply: 27 V_
- Consumption: 15 mA
- Operating temperature: 5°C to + 45°C
- Antimicrobial
- Protection index: IP 41
- Dimensions (H x W x D): 82 x 82 x 36
- Installation: in a 2-module flush-mounting box, min. depth 40 mm
- 180° infrared detection
- Adjustable light level threshold: 5 to 1275 lux
- Adjustable time delay: 30 secs to 30 mins
- Adjustable detection range: 3 to 6 m





Detection zone



BUS/SCS AUTOMATIC SENSOR CAT. NO. 784 90 (CONTINUED)

Flush-mounted wall installation in flush-mounting box



Surface-mounted wall installation with support frame





ILLUMINATED SIGNAGE

White LED signage Cat. No. 0 785 20

Low-level bulkhead signalling light to be installed on skirting trunking, activated automatically when the patient gets up, so that the patient can get their bearings and go to the bathroom without assistance during the night.

Technical characteristics

- Power supply: 230 V
- Consumption:
- in standby mode: 0.2 W
- max.: 1 W
- Operating temperature: 5 to + 50°C
- Protection index: IP 20
- Dimensions (H x W x D): 45 x 45 x 32.7 mm
- Installation:

- flush-mounted in 2-module box, min. depth 40 mm, with plate Cat. No. 0 788 02 and support frame Cat. No. 0 802 51

- surface-mounted with support frame
- Luminous flux: 3.4 lumens



Flush-mounted wall installation in flush-mounting box





Surface-mounted wall installation with support frame







Luminous flux: 2.8 lumens

ILLUMINATED SIGNAGE (CONTINUED)

Pilot light Cat. No. 0 785 10

Bulkhead light to be installed in the bedhead strip for pilot lighting, to make patient movement during the night easier and safer.

Technical characteristics

- Power supply: 230 V
- Consumption:
- min.: 0.2 W
 - max.: 1 W
- Operating temperature: 5 to + 50°C
- Protection index: IP 20
- Dimensions (H x W x D): 45 x 45 x 32.7 mm
- Installation: in special support frame for bedhead
 strip
- Luminous flux (for 1 W): 2.8 lumens

Dimensions



Connection



Installation in the bedhead strip





Supplied without label

Luminous flux: 5.2 lumens

This can be customised using labels available from the online catalogue under the heading "Find out more".

ABOVE DOOR ILLUMINATED SIGNAGE CAT. NO. 0 785 22

White LED bulkhead signalling light to be installed above the bathroom door. It is activated automatically when the patient gets up to allow the patient to get their bearings and to go to the bathroom without assistance during the night. Customisable lables can be affixed to the hinged window.

Connection

Technical characteristics

- Power supply: 230 V
- Max. consumption: 1 W
- Operating temperature: 5 to + 50°C
- Protection index: IP 20
- Dimensions (H x W x D): 45 x 112.5 x 20 mm
- Installation
 flush-mounted in a 5-module box, min. depth 40 mm
- surface-mounted with support frame
- Luminous flux: 5.2 lumens

Flush-mounted wall installation in flush-mounting box



Surface-mounted wall installation with support frame







CEILING MOUNT BUS/SCS AUTOMATIC SENSOR CAT. NO. 0 488 22

This 360° infrared and ultrasonic sensor allows automatic control of a light source, as soon as movement has been detected. It can work on the ECO 1 (automatic light on/off) or ECO 2 (manual light on and automatic light off or manual off by pressing a button) setting.

Technical characteristics

- Power supply: 27 V=
- Consumption: 17 mA
- Operating temperature: 5 to + 45°C
- Protection index: IP 20
- Dimensions: 122 mm diameter
- Terminal type: RJ 45
- Installation:
- ceiling-mounted using mounting claws (supplied)
- in a Batibox box (depth 50 mm)
- surface-mounted on ceiling using accessory
- Cat. No. 0 488 75
- 360° infrared and ultrasonic detection
- Adjustable light level threshold: 5 to 1275 lux
- Adjustable time delay: 30 secs to 30 mins





Height



PIR detection

		Low sensitivity (25%)	Medium sensitivity (50%)	High sensitivity (75%)	Very high sensitivity (100%)
		Ø (m)	Ø (m)	Ø (m)	Ø (m)
Height	2.5	4	6	6.5	8
(m)	3	5.5	6.5	8.5	11.5

US detection

		Low sensitivity (25%)	Medium sensitivity (50%)	High sensitivity (75%)	Very high sensitivity (100%)
		Ø (m)	Ø (m)	Ø (m)	Ø (m)
Height	2.5	4	4	6	11
(m)	3	6	6	8	13



ON/OFF LIGHTING CONTROL CAT. NO. 0 784 75

Push-button control for manual control of automatic switches.

Technical characteristics

- Power supply: 27 V=
- Consumption: 10 mA
- Operating temperature: -5 to + 45°C
- Protection index: IP 20
- Dimensions: 45 x 45 x 347 mm
- Installation (supplied with BUS/SCS connector Cat. No. 0 492 22):
- flush-mounted in 2-module box
- surface-mounted with support frame

To be fitted with Mosaic cover plates and Batibox support frames.



Flush-mounted wall installation in flush-mounting box



Surface-mounted wall installation with support frame







CEILING MOUNT BUS/SCS LIGHTING CONTROLLER CAT. NO. 0 488 41

This controller is a power unit. When connected to automatic sensors it allows:

- at output 1, activation of low-level lighting and the pilot light in the room

- at output 2, activation of the bathroom lighting In the factory configuration input 1 controls output 1 and input 2 controls output 2.

This controller has an integral BUS/SCS supply which means it can power all the SCS sensors connected to inputs 1 and 2 (max. power: 200 mA).

It has a dedicated BUS/SCS input (vertical) which allows units to be interconnected. A zone controller (Cat. No. 0 026 45) will be connected to this input (vertical).

Technical characteristics

- Power supply: 100 240V \sim
- Consumption:
 - no-load: 1.8 W
 - max.: depending on the load
- Operating temperature: 5 to + 45°C
- Protection index: IP 20
- Dimensions (H x W): 70.5 x 207 mm
- Installation: ceiling-mounted or in a suitable cable tray



Connection

All the wiring must be carried out with the mains power off.





CEILING MOUNT BUS/SCS MULTIFUNCTION CONTROLLER CAT. NO. 0 488 47

This controller is a power unit. It is used to control the low-level lighting, the pilot light, the lighting in the bathroom and the roller blinds in a room. In the factory configuration input 1 controls output 1, input 3 controls output 3 and input 4 controls output 4. This controller has an integral BUS/SCS which means it can power all the SCS control unit sensors and devices connected to inputs 1, 3 and 4 (max. power: 200 mA). It has a dedicated BUS/SCS input (vertical) which allows units to be interconnected. A zone controller (Cat No. 0 026 45) will be connected to this input (vertical).

Technical characteristics

- Power supply: 100 240V \sim
- Consumption:
 - no-load: 3 W
 - max.: depending on the load
- Operating temperature: 5°C to + 45°C
- Protection index: IP 20
- Dimensions (H x W): 275 x 147 mm
- Installation: ceiling-mounted or in a suitable cable tray





* Ventilation output



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

These modules are used to control the lighting or other SELV functions via hand-held remote control units. They can control 2 lighting outputs (overhead and reading lights) as well as the roller blinds (raise, lower) and 1 any-function 16 A output.

To be fitted in bedhead strips or ceiling-mounted. Compatible with hand-held remote control unit Cat. No. 0 782 44.

Technical characteristics

• Power supply: 100 - 240 V

SYSTEM

- Operating temperature: 0 to 35°C
- Dimensions: 230 x 71 x 44 mm
- · Installation: in the bedhead strip or on the ceiling
- Connection via screw terminals

Remote control module for bedhead 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.





CONTENTS



HAND-HELD REMOTE CONTROL UNIT

For calling a nurse (using an NC push-button) via the door unit Cat. No. 0 766 06/07.

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

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 push-button)
- 3 Room lighting control (NO push-button)
- 4 Red indicator for call confirmation
- **5 and 6** Roller blind control (NO push-button)
- 7 Free function button (NO push-button)

Technical characteristics

- Power supply: sockets for hand-held remote control units
- Operating temperature: 5 to 40°C
- Antimicrobial
- Protection index: IP 67



2-MODULE CONTACT INTERFACE CAT. NO. 0 035 53

The DIN 0 035 53 contact interface is used to connect the BUS/SCS system to two switches or contacts of different types to obtain the largest possible number of advanced functions from a normal SCS control.

Technical characteristics

- Power supply: 18 27 V=
- Consumption:
 - standby: 9 mA
- with max. load: 0.2 W
 Operating temperature: + 5 to + 40°C
- Protection index: IP 20
- Dimensions: 2 DIN modules

Connection



- 1 Jumper housing
- **2** LED
- **3** Conventional device connection terminals
- 4 BUS
- 5 Button



BUS/SCS CONTACT INTERFACE CAT. NO 5 739 96

Contact interface Cat. No. 5 739 96 connects the BUS/ SCS to two switches or contacts of different types, so as to obtain the largest possible number of advanced functions from a normal SCS control.

Technical characteristics

- Power supply: 18 27 V=
- Operating temperature: + 5°C to + 40°C
- Protection index: IP 20
- Dimensions: 45 x 45 x 15 mm
- Installation: in the ceiling, in a Plexo box, in a modular distribution box or in a bedhead strip

Connection



- 1 Jumper housing
- **2** LED
- 3 Conventional device connection terminals
- 4 BUS



BUS/SCS MULTI-APPLICATION MODULAR CONTROLLER CAT. NO. 0 038 42

To be installed inside modular panels. This device controls lighting, blinds and motors.

Each output is independent and can be linked to a control unit or to one of the sensors Cat. Nos. 0 784 90 or 0 488 22.

Configuration via software Cat. No. 0 488 80 (free download available at www.legrand.com).

Technical characteristics

- Power supply: 18 27 V $_{=}$
- Consumption:
 - single loads: 28 mA
 - interlocking: 15.5 mA
- Operating temperature: + 5 to + 40°C
- Protection index: IP 20
- Dimensions: 2 DIN modules



- 1 Jumper housing
- 2 LEDs
- 3 Push-button
- 4 BUS





ZONE CONTROLLER CAT. NO. 0 026 45

6-module SCS IP interface with 2 functions: management of daily settings and/or IP interface.

To be used with power supply Cat. No. 0 634 42

Technical characteristics

- Power supply: 27 V
- Consumption: standby: 1.5 W
- Operating temperature: + 5 to + 40°C
- Protection index: IP 20
- Dimensions: 6 DIN modules



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

The power supply must be used to power the system's communication bus (BUS/SCS). Double-insulated SELV safety device.

Technical characteristics

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



Connection terminals (1-2); DC output
 Terminals (BUS) to connect the BUS/SCS system
 L + N power supply terminals



ZONE CONTROLLER POWER SUPPLY CAT. NO. 0 634 42

2-module modular power supply for the zone controller Cat. No. 0 026 45.

Technical characteristics

- Power supply: 220 240 V
- Output 1-2: 27 V ... 600 mA
- Consumption:
 - standby: less than 1 W - max.: 20 W
- Operating temperature: 5 to 40°C
- Protection index: IP 20
- Dimensions: 2 DIN modules





SCS-SCS EXTENSION CAT. NO. 0 035 62

For extending a BUS/SCS line over distances greater than 500 m.

This interface ensures communication between different BUS systems using SCS technology. It is used with modular controllers Cat. Nos. 0 384 42 and 0 038 44 and interfaces Cat. Nos. 0 035 53 and 5 739 96.

A power supply (Cat. No. 0 035 60/67) is required after each interface (Cat. No. 0 035 62).

Technical characteristics

- Power supply: 18 27 V=
- Consumption:
 - of the input card: 25 mA
 - of the output card: 5 mA
 - with max. load: 1 W
- Operating temperature: + 5 to + 40°C
- Protection index: IP 20
- Dimensions: 2 DIN modules



- 1 Output terminal (OUT)
- 2 Jumper housing
- 3 Input terminal (IN)
- 4 LED indicator
- 5 Push-button for virtual configuration





BUS/SCS CABLE CAT. NO. 0 492 33

Zero halogen cable for connecting BUS/SCS products.

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
- \bullet Electrical resistance: less than 72 Ω/km
- Operating temperature: -15°C to + 70°C
- Length: 200 m

ACTIMETRY SOFTWARE CAT. NO. 0 783 80

Integrated in an assisted living system installation, this software is used to monitor patient movement in rooms and bathrooms. It records sensor and lighting activations.

This software is currently provided by a developer under Legrand supervision. For more information, please contact your Legrand sales office.

Wiring



Clegrand



Llegrand

Head office:

128, av. du Maréchal-de-Lattre-de-Tassigny 87045 Limoges Cedex - France

Tel: (+33) 05 55 06 87 87 fax: (+33) 05 55 06 88 88

www.legrand.com