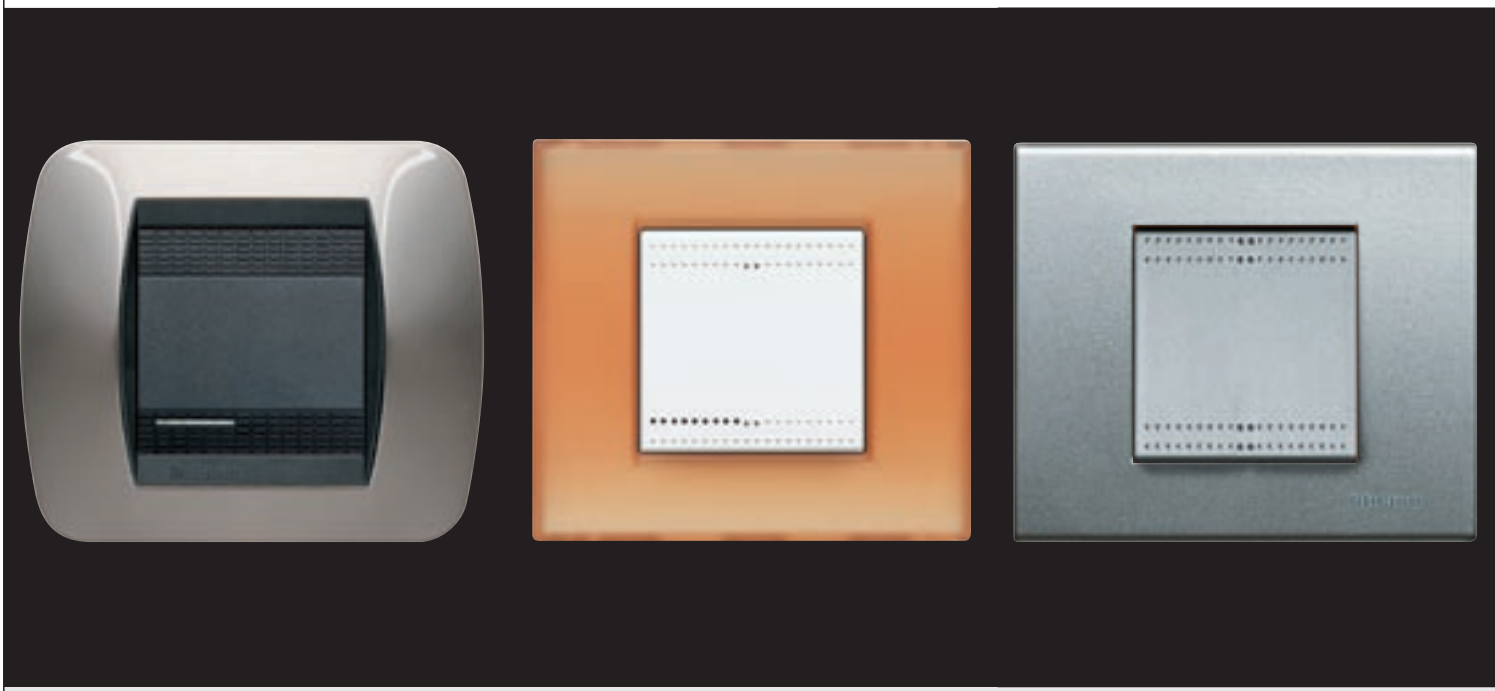
bticino

LIVING
LIGHT
LIGHT TECH

CATALOGUE 07



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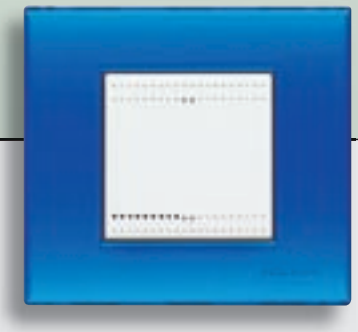
Everyone is dreaming of an ideal house BTicino knows how to make this dream come true

LIVING

LIGHT

LIGHT TECH



LIVING, LIGHT and LIGHT TECH designed for living

LIVING, LIGHT and LIGHT TECH is the most complete system for inside and outside electric devices conceived with a simple yet engaging idea: to develop **all electrical functions with three different looks** in order to offer the best technical solution for the style and environment in which they will be installed.

LIVING
Soft and rounded shapes surrounding elegant anthracite-grey-coloured devices.

LIGHT
Rational structures and white satin-finish switches suggest harmony and lightness.

LIGHT TECH
The metallic finish emphasizes the technological aspect of electric devices.

- all rooms of the house can be personalized with different cover plate colours
- cover plates can be changed easily at any time, for example when replacing the furniture

TECHNOLOGY and DESIGN at your system's service

Unlike the systems used a few years ago, modern electric systems do not only include switches and sockets. Today, **electronic technology** offers many useful solutions, which are not always very well known, that can make your house or office more comfortable and safe.

Light intensity adjusting dimmer

Anti-blackout emergency lamp

Protection against electric shocks

Chronothermostat for room air-conditioning

The look of the electric system consists mainly of two elements:

- the colour of the devices
- the **materials and finish of the cover plates**

The **cover plates**, or rather the frames surrounding the devices, are available in **more than 50 colours and materials** and have been chosen according to different furnishing styles and high quality levels.

Solid cherry essence wood

Zama metallic alloy with 24-carat gold finish

Zama metallic alloy with Tech finish

Polycarbon with gel finish

All FUNCTIONS
for a modern electric system

Bticino's design philosophy is based on three main principles:

- modular concept
- miniaturization
- multifunction

All Living, Light and Light Tech devices have been developed according to these principles and will allow you to combine different electrical functions with perfectly matching and attractive results at all times.

1. LIGHT CONTROL

The ergonomics of the controls is shown in the details:
switching on is easy thanks to little knurlings on the switch and, if you wish, light can be diffused through very thin clear lens to easily spot the controls in the dark.

Quiet electronic dimmers switch lights on and off and adjust the light intensity.

Dimmers can be activated manually with pushbuttons or knobs.

The infrared (IR) switches detect people when walking by and automatically switch on the light for a certain period of time.

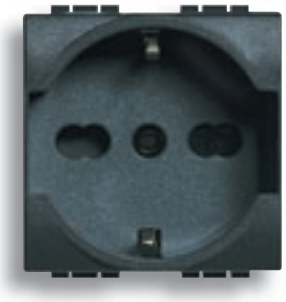
They are helpful in corridors and closets. IR's avoid searching for controls in the dark or when your hands are not free.

Modular concept:
all devices have been developed according to equal or multiple dimensions of a reference structure (module), thereby ensuring a perfect modularity in the light point.

2. POWER AND SIGNAL SOCKETS

A complete catalogue of sockets lets you solve all types of high quality domestic and commercial applications:

- sockets for different international standards
- TV and satellite jacks
- RJ11 telephone connectors
- RJ45 data connectors for networks
- fiber-optic connectors



General-purpose sockets house both Italian and German plugs. It would be a good idea to install one near electrically-powered appliances.

3. ENVIRONMENTAL CONDITION AND PROGRAMMING

The chronothermostat is an electronic device that adjusts the temperature in winter and summer: the consumption of the boiler is automated according to a daily and weekly cycle, thereby ensuring high comfort and remarkable energy saving.

Wall mounting

Flush mounting

Left the light on in the closet or in the stairway? The timer automatically turns off the light after a set time between 1 and 12 minutes.

Miniaturization:
even electronic items have been developed in the basic module, thus matching the style and installation of traditional appliances.

All FUNCTIONS for a modern electric system

4. PROTECTION AND SAFETY

The safety of domestic environments involves many aspects contained in a catalogue full of useful functions.

ELECTRICAL SAFETY

Automatic circuit breakers together with sockets protect people even more against accidental electrical contacts.

Circuit breakers are useful, e.g. for protecting the kitchen counter.

Other appliances (called SPD) can protect television sets, stereos and computers against damages caused by lighting.

LAMPS

Lamps integrated with electric systems automatically switch on when the power goes out.

A torch is a helpful tool that can be pulled out of the wall. It automatically goes on in case of a black-out.

An emergency lamp is the best solution to show you the way to the distribution board in case of a black-out.

GAS ALARM

Protection against natural methane gas or GPL leaks is guaranteed by automatic detecting systems.

In case of leaks from appliances, they automatically cut off the gas flow (with a solenoid valve being there) and emit an audible and visual warning alarm.

Multipurpose:
modular concepts and miniaturization give rise to the possibility of choosing which functions of the system you need to activate, thereby combining them as you wish in an integrated and attractively coordinated system.

5. SOUND SYSTEM

The sound system allows you to send the signal coming from an outside source (hi-fi or CD unit) or the music of a system's built-in radio alarm clock to the rooms of a house and office.

TOUCH SCREEN colour to control the new sound system Hi-Fi stereo 2 wires

6. BURGLAR ALARM

BTicino offers a professional, complete and technologically advanced burglar alarm integrated with the LIVING, LIGHT and LIGHT TECH styles, complete with all the performances and capabilities of modern digital electronics.

A complete range of devices allows you to program the burglar alarm according to the specific needs of the building to be protected.

The control unit with telephone dialling device allows you to send remote alarm and signalling messages.

7. MY HOME

With **MY HOME**, BTicino offers the possibility to plan solutions regarding comfort, safety, savings, communication and control, which are inconceivable in a traditional system.
MY HOME is available in three styles: LIVING, LIGHT e LIGHT TECH.

MY HOME

MY HOME:
For more information on this system, you may request specific documentation by visit the website **www.myhome-bticino.it**

Matching COLOURS and MATERIALS with the furniture

LIVING, LIGHT and LIGHT TECH offer 55 types of cover plates, all different in colour, finish and material, carefully selected to meet the **various decors** and progressive levels of choice.

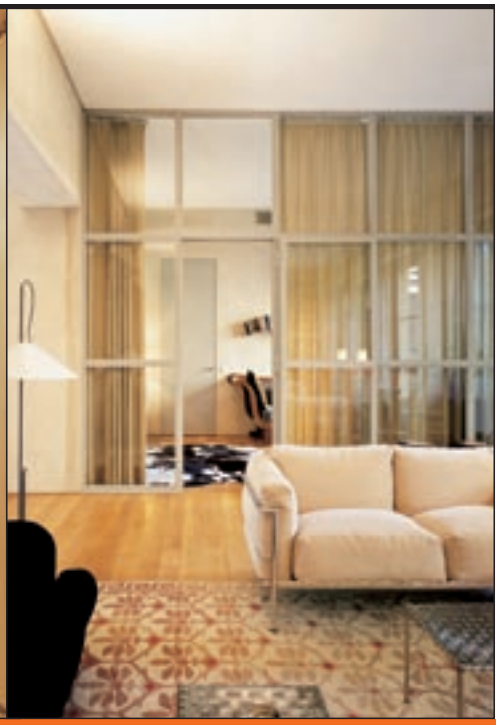
The cover plate is a frame placed around an electric device.

3 LINES OF DEVICES WITH 3 DIFFERENT STYLES

LIVING has a strong propensity for being noticed on the wall. It has been conceived to complete environments with high quality furniture, both classic and modern.

LIGHT expresses many decoration styles of white: mimetic transparency of the kristall cover plate, moderate elegance of the zama and solar personality of the gel finishes.

Natural evolution of Light. The **LIGHT TECH** line has a metallic finish that matches the appliances with the cover plates, thereby resulting in an original and new style.



MATERIALS AND FINISHES FOR DIFFERENT LEVELS OF CHOICE

The cover plate catalogue is arranged according to different levels of choice (included both in the Living and Light line).

SOLID WOOD

High quality and environment-friendly selected essences of wood are processed according to the Italian traditional furniture methods.

The match between the wooden cover plate and the metal key is particularly interesting.

METAL FINISH ZAMA

The zama cover plate is suitable for electro-chemical treatments. This is where the noblest finishes of the metal begin: satin polished 24-carat gold, silver, nickel and chromium.

PAINTED FINISH ZAMA

This group consists of a range of colours that goes from white to anthracite and from metallized aluminium to an earth effect.

Zama is a zinc and aluminium metallic alloy. The Native cover plate shows the natural aspect of the speckled zama before its next treatments.

Even Plastics are high quality in LIVING and LIGHT: bakelite is a tribute to Italy's design of the past; polycarbonate is finished with a rubber effect; the plain white is finely satin-finished to get a plasterboard look.

Jelly and opal cover plates with a rubber finish, which should be felt as well as seen.

Modular concept

LIVING, LIGHT and LIGHT TECH devices are, depending on their features and their function, made in modular concepts from 1 to 4.

1 MODULE 1	2 MODULES 1 + 1	3 MODULES 1 + 1 + 1	4 MODULES 1 + 1 + 1 + 1

Most of the products are made with dimensions of 1 or 2 modules.

Only more complex electronic devices or devices with particular manufacturing needs are produced in 3 or 4 modules

As for cover plates for horizontal and vertical flush-mounting installations, both 1-module devices (two for each housing) and 2-module devices (one for each housing) can be used.

1M + 1M

2M 2M

1M + 1M 2M 2M

Other cover plates for flush-mounting installations, having a different capacity of 3 and 7 modules (depending on the module), allow for the housing of devices in even more various combinations.

For example (see below), two 1-module switches, a 3-module programmer and a 2-module pull-out torch can be placed in a 7-module cover plate.

3M

3-module cover plate

2M + 2M

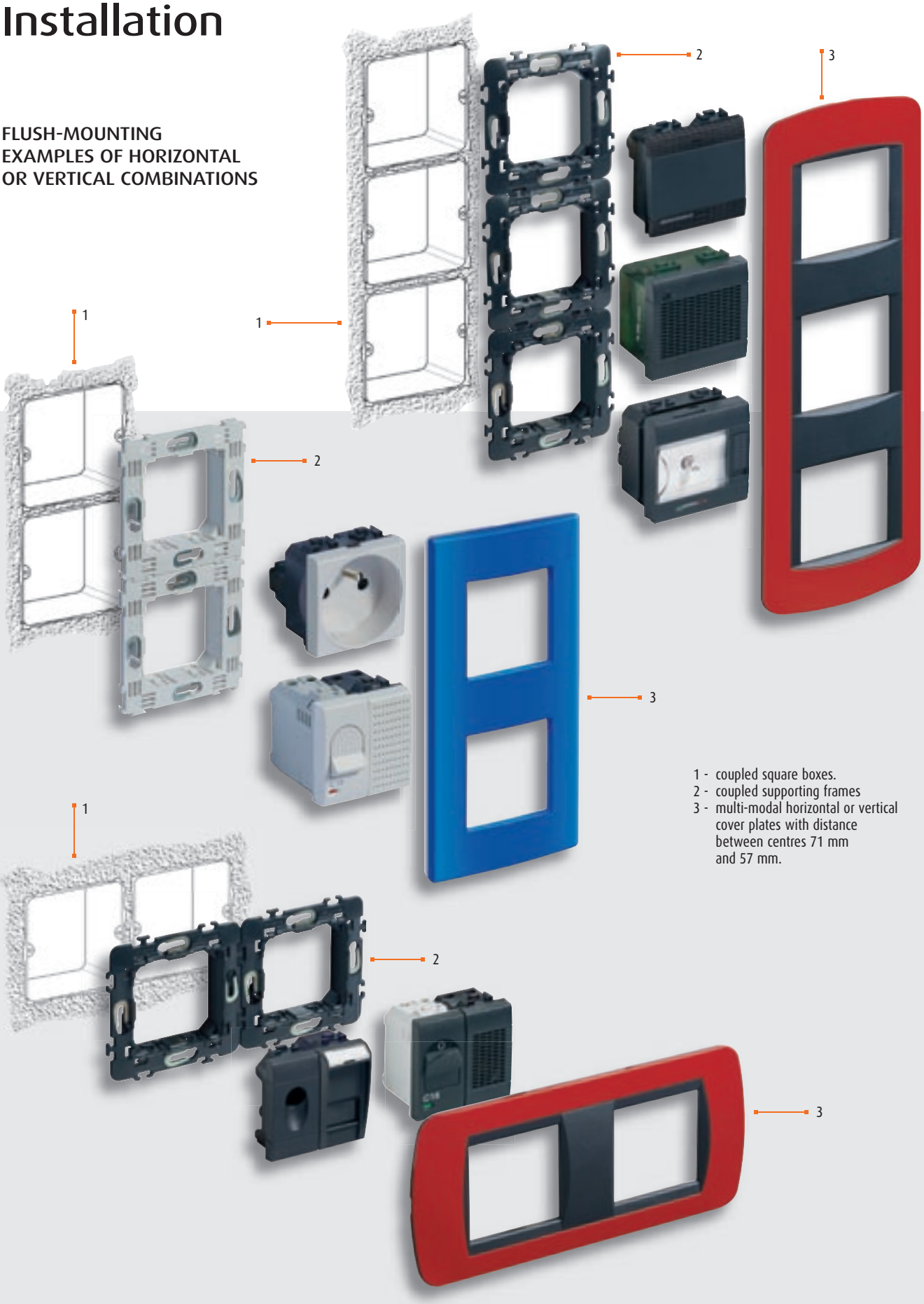
4-module cover plate

1M + 1M + 3M + 2M

7-module cover plate

Installation

FLUSH-MOUNTING EXAMPLES OF HORIZONTAL OR VERTICAL COMBINATIONS

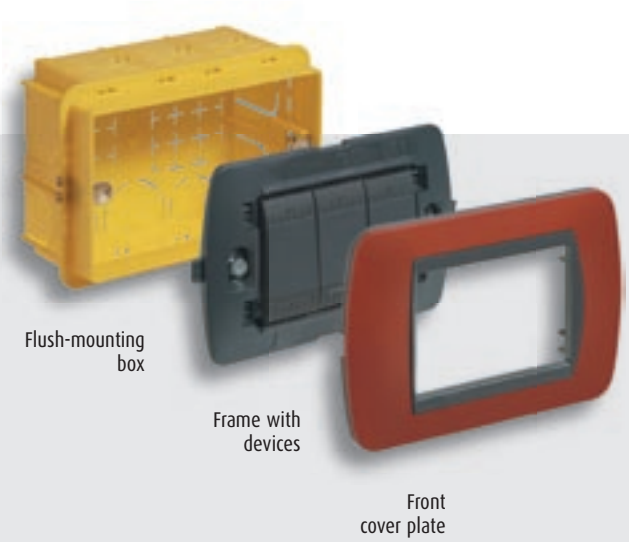


1 - coupled square boxes.
2 - coupled supporting frames
3 - multi-modal horizontal or vertical cover plates with distance between centres 71 mm and 57 mm.

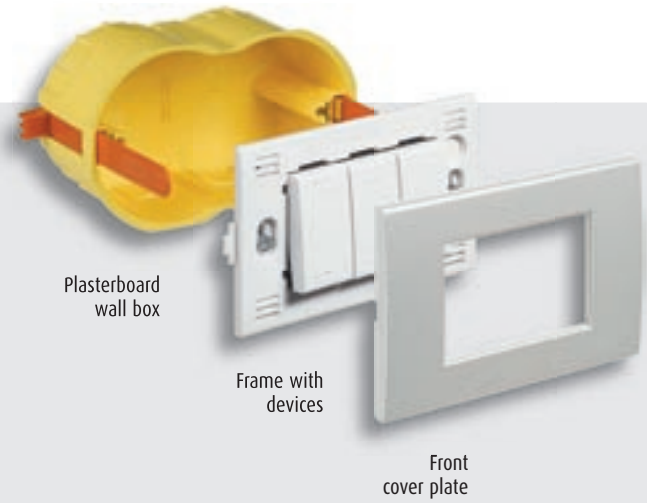
Installation

FLUSH-MOUNTING

For masonry walls



For plasterboard walls



WALL AND TABLE MOUNTING INSTALLATIONS

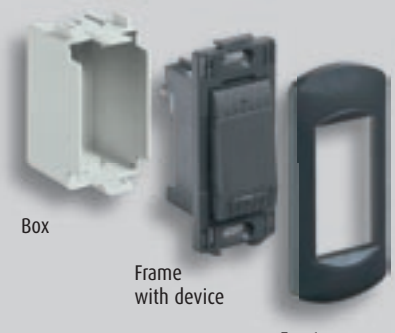
INSTALLATION IN PROTECTED BOX

IP40 internal housing

IP55 protected external housing

Protection cover

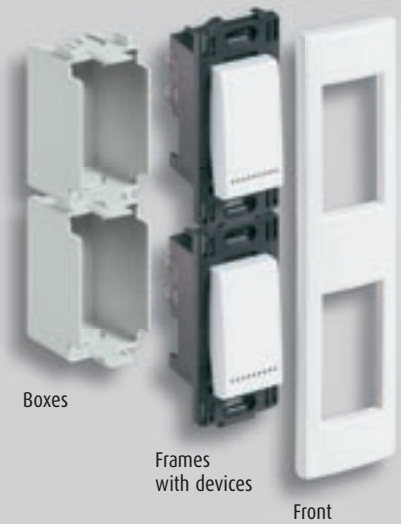
INSTALLATION ON RAILS



Box

Frame with device

Front cover plate



Boxes

Frames with devices

Front cover plate

Installation

DIVERSIFIED INSTALLATIONS FOR THE SERVICE SECTOR

1.
Multibox multipurpose flush-mounting distribution board

2.
Two-side floor pedestal

3.
Workstation trunking

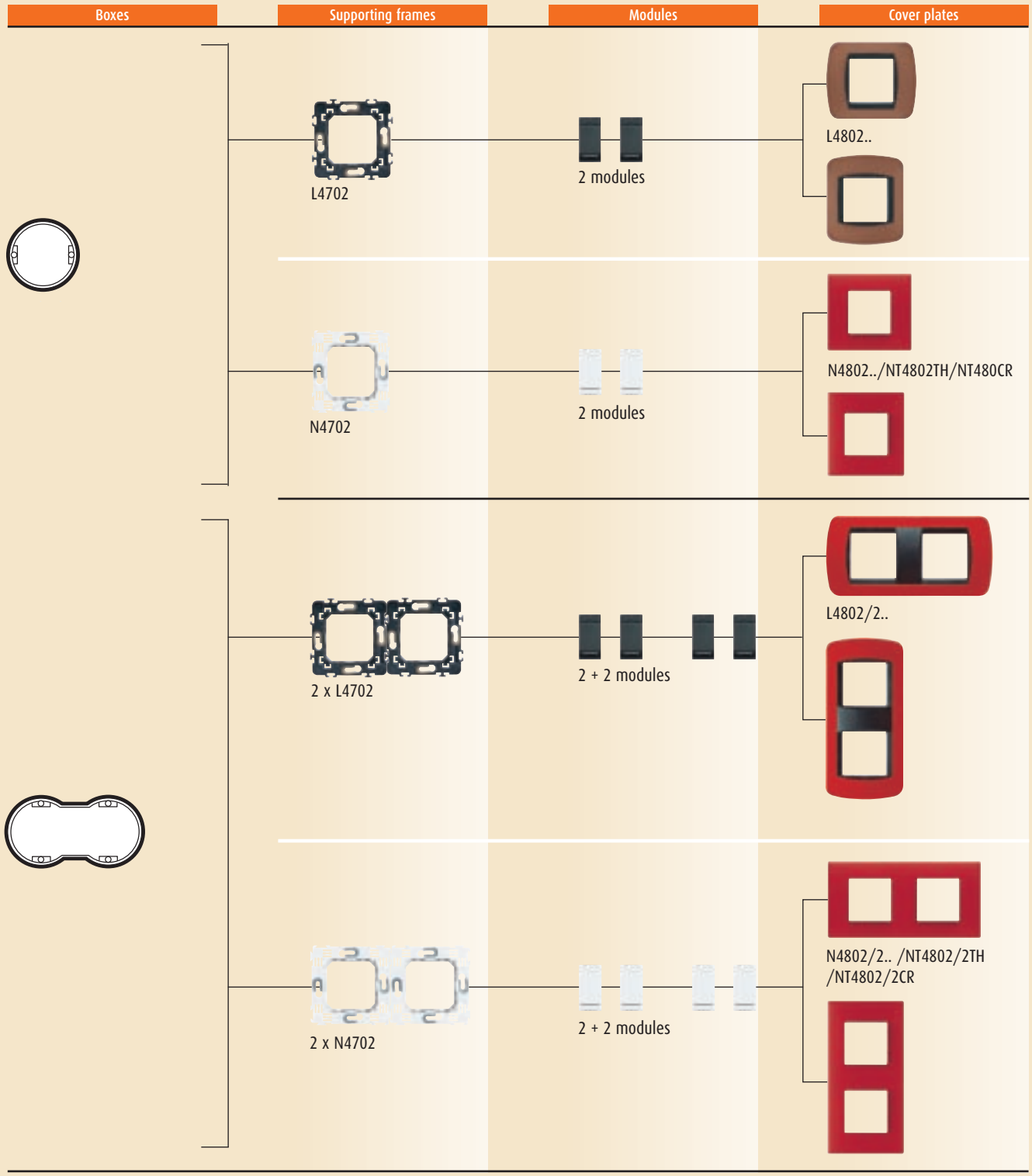
4.
One-side column

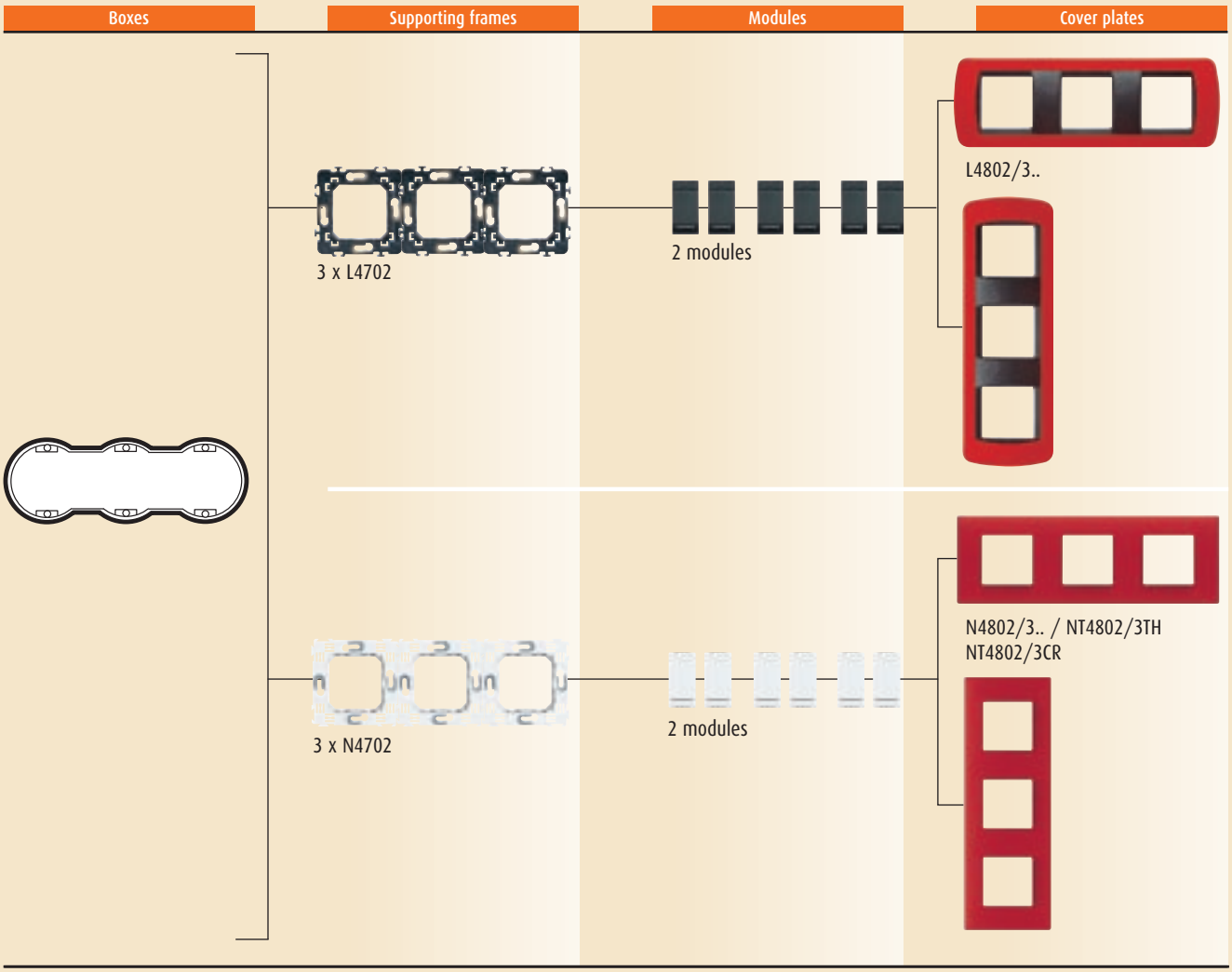
5.
Equipped Interlink trunking

6.
INTERLINK wall distribution board

4
6
1
5
3
2

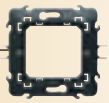
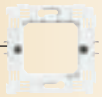
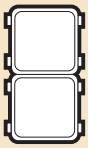
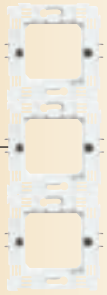
Assembly - centers 71mm fixing with screws





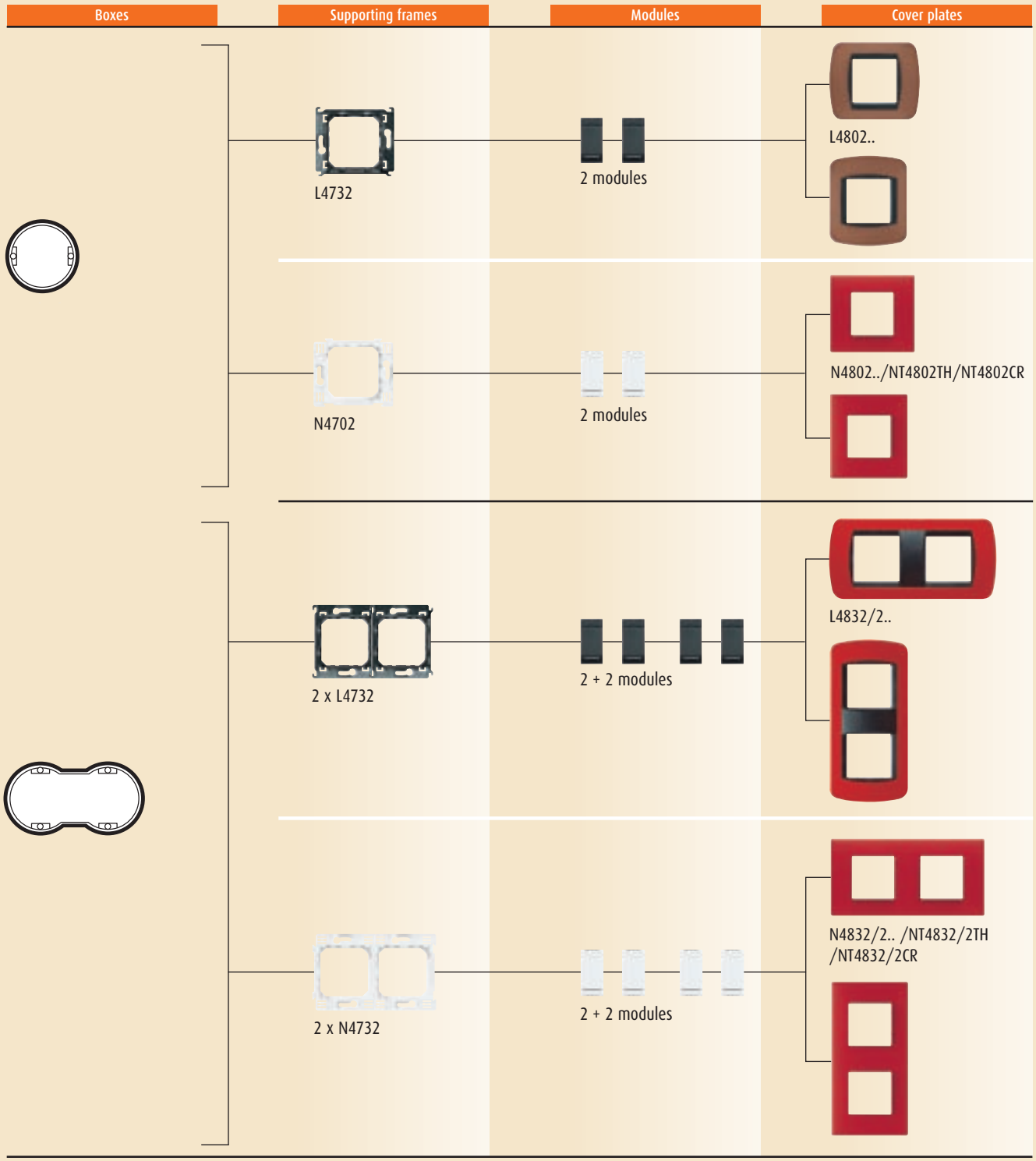
NOTE: cover plates Item number must be completed with the colour code that may be found in the following pages (e.g. N4802LB= 2 - module cover plate, white).
It is possible to fit the supporting frames with protective sheaths for painting (see section "Accessories").

Assembly - centers 71mm - fixing with clips

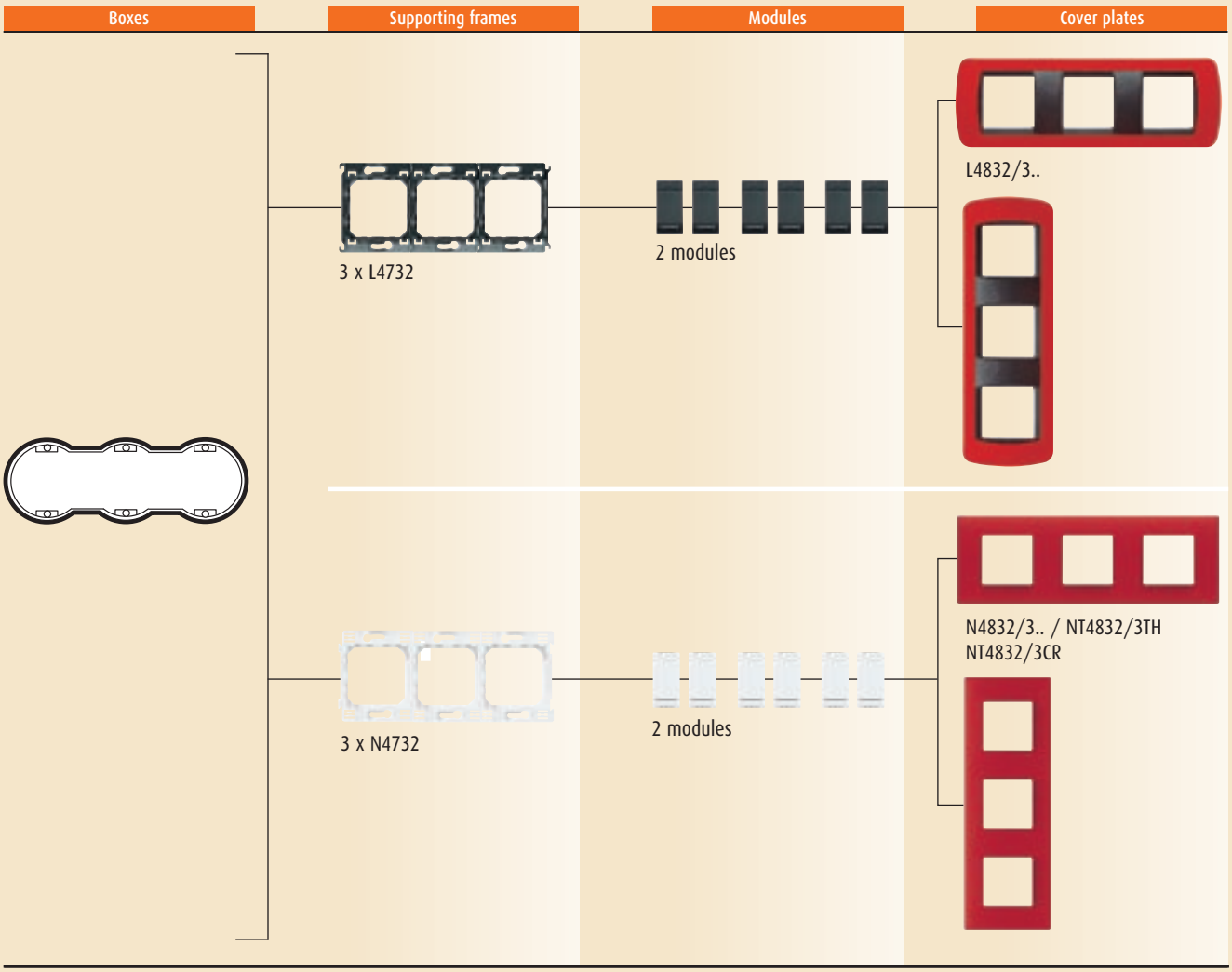
Boxes	Supporting frames	Modules	Cover plates
	 L4702G	2 modules	L4802..
	 N4702G	2 modules	N4802.. / NT4802TH /NT4802CR
	2 x L4702G	2 + 2 modules	L4802/2..
	2 x N4702G	2 + 2 modules	N4802/2 .. / NT4802/2TH /NT4802/2CR
	3 x L4702G	2 + 2 + 2 modules	L4802/3..
	 3 x N4702G	2 + 2 + 2 modules	N4802/3 .. / NT4802/3TH /NT4802/3CR

NOTE: cover plates Item number must be completed with the colour code that may be found in the following pages (e.g. N4802LB= 2 - module cover plate, white).

Assembly - centers 57mm fixing with screws

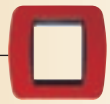
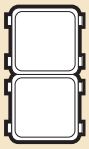


Assembly - centers 57mm fixing with screws



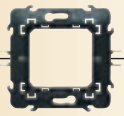
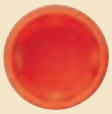
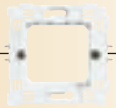
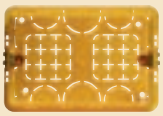
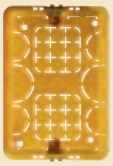
NOTE: cover plates Item number must be completed with the colour code that may be found in the following pages (e.g. N4802LB= 2 - module cover plate, white).

Assembly - centers 57mm fixing with clips

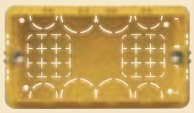
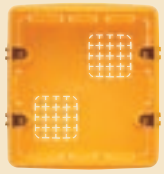
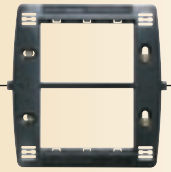
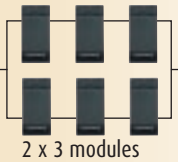
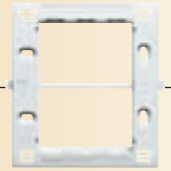
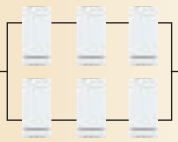
Boxes	Supporting frames	Modules	Cover plates
	L4702G	2 modules	 L4802..
	N4719G	2 modules	N4819.. NT4819TH NT4819CR
	N4732G	2 modules	N4802.. NT4802TH NT4802CR
	2 x L4732G	2 + 2 modules	L4832/2..
	2 x N4732G	2 + 2 modules	N4832/2 .. NT4832/2TH NT4832/2CR
	3 x L4732G	2 + 2 + 2 modules	L4832/3..
	3 x N4732G	2 + 2 + 2 modules	N4832/3 .. NT4832/3TH NT4832/3CR

NOTE: cover plates Item number must be completed with the colour code that may be found in the following pages (e.g. N4802LB= 2 - module cover plate, white).

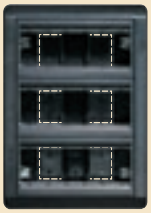
Assembly - BTicino flush-mounting boxes and plaster board walls

Boxes	Supporting frames	Modules	Cover plates
PB502 (Ø 68x51 mm)	 L4702G with clips	2 modules	L4802..
 500 (Ø 60)	 N4702G with clips	2 modules	N4802../NT4802TH/NT4802CR
	N4719G with clips	2 modules	N4819../NT4819TH/NT4819CR
PB503 (109x68x51 mm)	L4703 with 2 screws	3 modules	L4803...
 503E (106x71x52) 503ED horizontal and vertical coupler	N4703 with 2 screws	3 modules	N4803.../NT4803TH/NT4803CR
	N4719 with 2 screws	2 modules	N4819.../NT4819TH/NT4819CR
 503E (106x71x52)	L4722 with 2 screws	2 modules	L4819AC NOTE: AC is the only colour available
	N4722 with 2 screws	2 modules	N4819../NT4819TH/ NT4819CR

NOTE: cover plates Item number must be completed with the colour code that may be found in the following pages (e.g. N4802LB= 2 - module cover plate, white). Boxes Item 503E may be coupled with accessory Item 503ED. It is possible to fit the supporting frames with protective sheaths for painting (see section "Accessories").

Boxes	Supporting frames	Modules	Cover plates
 504E (133x74x53,5 mm)	L4704 with 2 screws	4 modules	L4804...
PB504 (131,5x68x51 mm)	N4704N with 2 screws	4 modules (LIGHT - LIGHT TECH)	N4804.../NT4804TH/NT4804CR
	N4704 with 2 screws	4 modules (LIGHT - LIGHT TECH)	N4804.../NT4804TH/NT4804CR
506L (183,5x90x53,5)	L4707 with 4 screws	7 modules	L4807...
PB506L (182x68x51 mm)	N4707 with 4 screws	7 modules (LIGHT - LIGHT TECH)	N4807.../NT4807TH/NT4807CR
 506E (106x117x52)	 L4726 with 4 screws	 2 x 3 modules	L4826...
PB506E (109x114x51 mm)	 N4726 with 4 screws	 2 x 3 modules (LIGHT - LIGHT TECH)	N4826.../NT4826TH/NT4826CR
	4958 loudspeaker 4070 internal siren	N4958 loudspeaker N4070 internal siren	NT4958 loudspeaker NT4070 internal siren

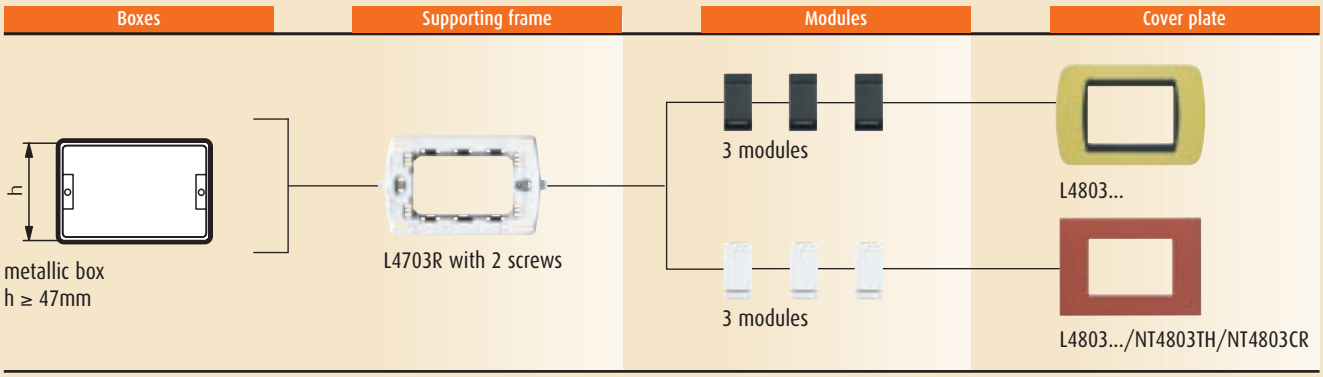
Assembly BTicino wall-mounting boxes

Wall mounting boxes	Supporting frames	Modules	Cover plates
502LP with supporting frame (93x80x38)		2 modules	L4802...
503LP (120x80x38)	L4703 with 2 screws	3 modules	L4803...
504LP (140x80x38)	L4704 with 2 screws	4 modules	L4804...
506LP (118x118x55)	4958 loudspeaker 4070 internal siren		
L4714 - with supporting frames and cover plates (215x215x60)		2 X 7 modules	
 150418GR - with supporting frames and cover plates (173x247x65)		3 X 6 modules	

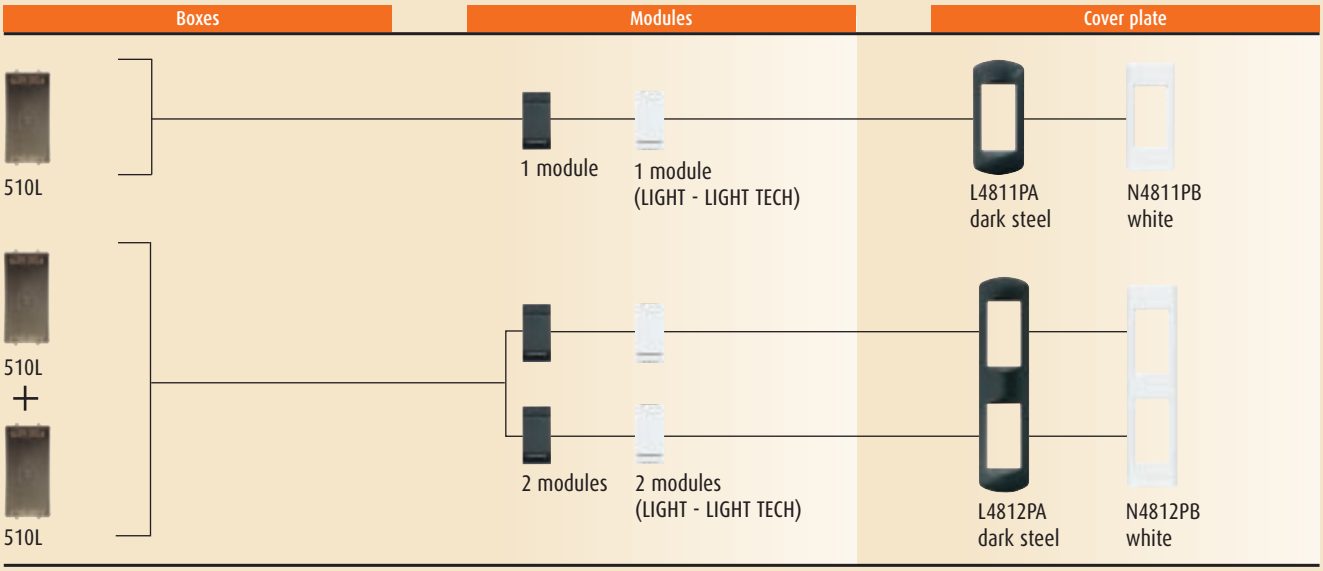
NOTE: cover plates Item number must be completed with the colour code that may be found in the following pages (e.g. N4802LB= 2 - module cover plate, white).

Wall mounting boxes	Supporting frames	Modules	Cover plates
503NP (114x79x46)	N4703 with 2 screws	3 modules (LIGHT - LIGHT TECH)	N4803... - NT4803TH - NT4803CR
503BP (114x79x46)	N4719 with 2 screws	2 modules (LIGHT - LIGHT TECH)	N4819... - NT4819TH - NT4819CR
504NP (136x79x46)	N4704N with 2 screws	4 modules (LIGHT - LIGHT TECH)	N4804... - NT4804TH - NT4804CR
	N4704 with 2 screws	4 modules (LIGHT - LIGHT TECH)	N4804... - NT4804TH - NT4804CR
506NP (118x118x55)	N4958 loudspeaker N4070 internal siren		
	NT4958 loudspeaker NT4070 internal siren		
N4714 - with supporting frames and cover plates (215x215x60)		2 x 7 modules (LIGHT - LIGHT TECH)	
150418BA - with supporting frames and cover plates (173x247x65)		3 x 6 modules (LIGHT - LIGHT TECH)	

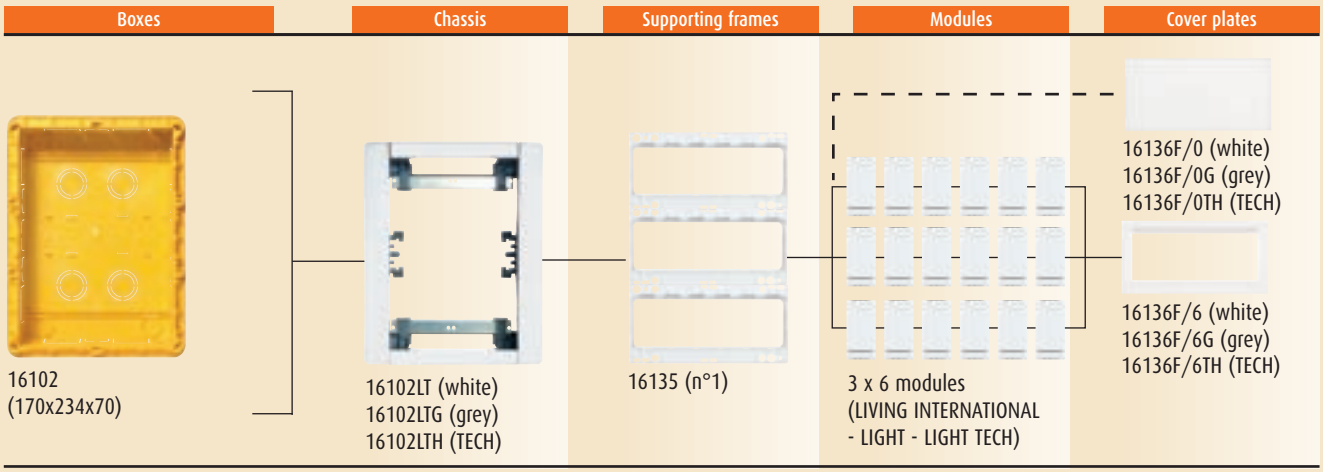
Assembly - Reduced supporting frame with screws for metallics boxes



Boxes for rail



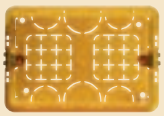
MULTIBOX flush mounting distribution board



Assembly - Table mounting devices holder

Boxe and supporting frame	Modules	Cover plate
504LIV (140x90x85)	4 modules	L4804...
150432 (LIVING-black) 150433 (LIGHT-white) 150434 (LIGHT TECH - tech)	4 modules (LIVING INTERNATIONAL - LIGHT - LIGHT TECH)	

Installation in flush-mounting boxes with protected covers IP55 IDROBOX

Boxes	Modules	IDROBOX protected covers
	3 modules	24603L - LIVING grey
 503E (106x71x52 mm)	3 modules 3 modules (LIGHT - LIGHT TECH)	24603S stone grey 24603 grey RAL7035
	3 modules (LIGHT - LIGHT TECH)	24603N - LIGHT white
	2 modules	24602L - LIVING grey
502 (80x64x48)	2 modules 2 modules (LIGHT - LIGHT TECH)	24602S stone grey 24602 grey RAL7035
	2 modules (LIGHT - LIGHT TECH)	24602N - LIGHT white

LIVING INTERNATIONAL
cover plates

Description	Light aluminium	Dark steel	Light titanium	Oxidized bronze
Metallic				
	AL	AC	TC	BO

Description	Metallic amaranth	Metallic blue	Metallic green	Metallic ochre
Metallescent				
	AT	BT	VT	OT

Description	Solid white	Solid black	Solid red	Solid blue
Contrast				
	BA	NR	RD	BD

Description	Scooter yellow	Terracotta	Drugstore green	Metro blue
Tonal				
	GT	TR	VR	BU

Description	Graphite	Black graphite	Titanium graphite	
Graphite	GF	GFN	GFT	

Description	Bright chrome	True gold	Black nickel	
Shiny	CR	OR	NN	

Description	Native	Bakelite	Brushed steel	Satin Finish Gold
Special	NA	BK	ACS	OS**

Description				
Customised cover plates	*			

* Upon request, LIVING cover plates may be supplied with graphical customisations. Any customisation, performed with techniques that guarantee high definition and do not etch the coat of paint, may be 1 or 2 colours.
** The "Satin Finish Gold" cover plates are available to order.

Description	White	Dark steel		
Polymer cover plates	PB	PA		

NOTES: Versions available: 2-module, 3-module 4-module and 7-module

LIGHT
cover plates

Description	Light White	Integral white	Opal white
White	LB	IB	OB

Description	Opal amber	Opal blue	Opal green
Opal	AP	BP	VP

Description	Jelly orange	Jelly blue	Jelly red
Jelly	AJ	BJ	RJ

Description	Pearl yellow	Pearl grey	Pearl azure
Micalescent	YN	GN	AN

Description	Rubber red	Tea green	Stone grey
Earths	RE	VE	GE

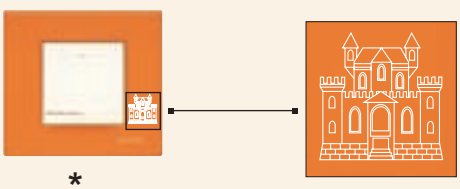
Description	Soft titanium	Glossy silver	Satin-finish gold
Metallic	TA	SA	OS

Description	Copper
Metallic	RA

Description	Natural aluminium	Kristall
Aluminium and KRISTALL	AA N4819AA - N4803AA N4804AA - N4807AA	KR

Description	Tech	Chrome
LIGHT TECH	TH	CR

Description
Customised cover plates



*

* Upon request, LIGHT cover plates may be supplied with graphical customisations. Any customisation, performed with techniques that guarantee high definition and do not etch the coat of paint, may be 1 or 2 colours.

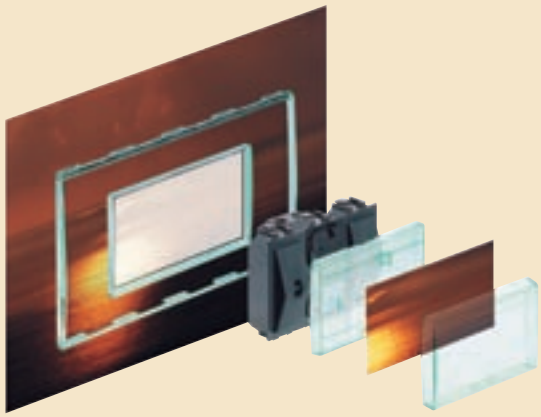
Wood cover plate
LIVING INTERNATIONAL

Description	American cherry-wood	Mahogany	European walnut	Briar
LIVING INTERNATIONAL wooden cover plate collections	LCA	LMG	LNC	LRN

Wood cover plate
LIGHT

Description	American cherry-wood	Ash	Pear-wood	
LIGHT wooden cover plate collection	LCA	LFR	LPR	

LIGHT KRISTALL
cover plate



Thanks to a particular undercover plate that can be dismantled and to its realization in transparent resin, the Kristall cover plate can be personalized by the usage of tapestry if one wishes to camouflage it or by using an image or a photo if one wishes to decorate it as desired. The devices with a transparent key, that are to be matched with the KRISTALL cover plate, allow the personalization of the light point with a desired image for the most complete integration in any architectonic contest.

KRISTALL COVER PLATE EXEMPLES OF USE

CATALOGUE

Basic control devices

LIVING INTERNATIONAL

L4001 L4011
L4003
L4005

L4001/2
L4003/2
L4005/2

LIGHT

N4001 N4001L N4011
N4003 N4003L
N4005 N4005L

N4001/2 N4001L/2
N4003/2 N4003L/2
N4005/2 N4005L/2

LIGHT TECH

NT4001L NT4011
NT4003L
NT4005L

NT4001L/2
NT4003L/2
NT4005L/2

Devices common to the three series:

L4001/0 - L4001LA/0
L4003/0 - L4003LA/0
L4005/0 - L4005LA/0

SWITCH (1 WAY, 2 WAY) - PUSHBUTTON

Lightable 1 way switch, 2 way switch, pushbutton with interchangeable key-cover

Item	Description
L4001 **N4001L** **NT4001L**	1 way switch 1P 16A - 250V a.c.
L4001/2 **N4001L/2** **NT4001L/2**	2 modules – as above
L4003 **N4003L** **NT4003L**	2 way switch 1P 16A - 250V a.c.
L4003/2 **N4003L/2** **NT4003L/2**	2 modules - as above
L4005 **N4005L** **NT4005L**	pushbutton 1P NO 10A - 250V a.c.
L4005/2 **N4005L/2** **NT4005L/2**	2 modules - as above

Lightable 1 way switch, 2 way switch, pushbutton to be completed with key-covers

Item	Description
L4001/0	1 way switch 1P 16A - 250V a.c.
L4003/0	2 way switch 1P 16A - 250V a.c.
L4005/0	pushbutton - 1P NO 10A - 250V a.c.

Lightable controls to be completed with key-cover automatic terminal

Item	Description
L4001LA/0	switch - 1P 16A - 250V a.c.
L4003LA/0	2 way switch - 1P 16A - 250V a.c.
L4005LA/0	pushbutton - 1P 10A - 250V a.c.

Unlightable 1 way switch, 2 way switch, pushbutton with interchangeable key-cover

Item	Description
N4001	1 way switch 1P 16A - 250V a.c.
N4001/2	2 modules - as above
N4003	2 way switch 1P 16A - 250V a.c.
N4003/2	2 modules - as above
N4005	pushbutton - 1P NO 1A - 250V a.c.
N4005/2	2 modules - as above

SWITCH 32A

Item	Description
L4011 **N4011** **NT4011**	switch 2P 32A - 127/250V a.c.

Lightable key-covers

LIVING INTERNATIONAL

L4911 L4911/2
L4915 L4915/2

L4911/3
L4915/3

L4911/15

LIGHT

N4911 N4911/2
N4915 N4915/2

N4911/3
N4915/3

LIGHT TECH

NT4911 NT4911/2
NT4915 NT4915/2

NT4911/3
NT4915/3

KEY-COVERS

Interchangeable and lightable key-covers for 1 way switches, 2 way switches, intermediate switches

Item	Description
L4911 **N4911** **NT4911**	1 module
L4911/2 **N4911/2** **NT4911/2**	2 modules with hinges
L4911/3 **N4911/3** **NT4911/3**	3 modules with hinges

Interchangeable and lightable key-covers for pushbuttons

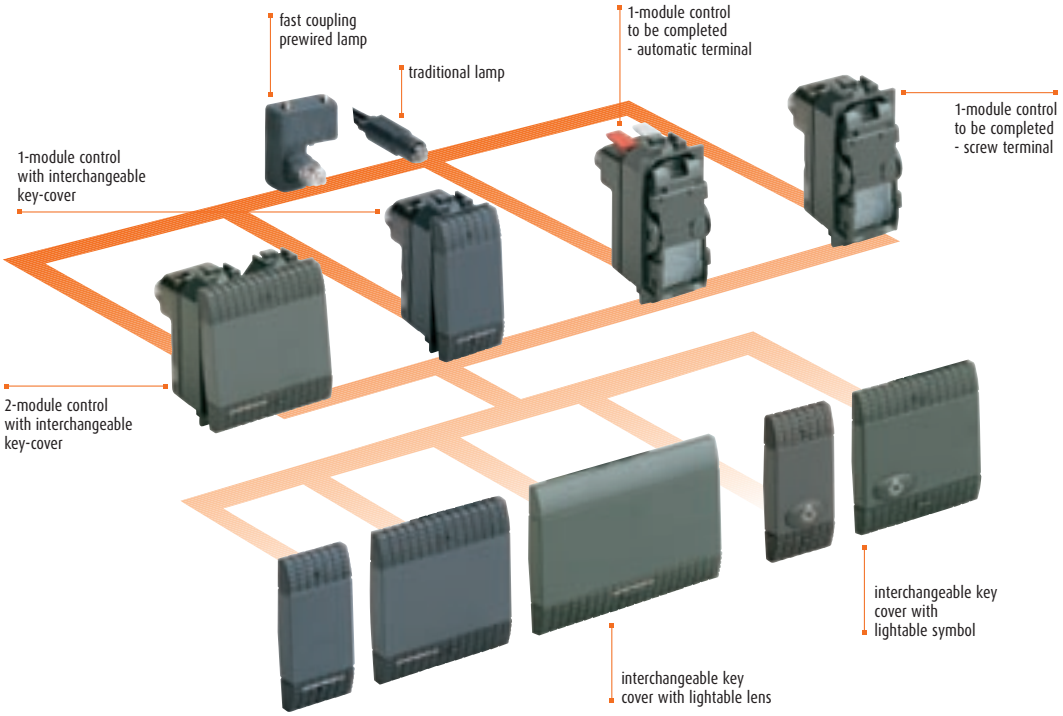
Item	Description
L4915 **N4915** **NT4915**	1 module
L4915/2 **N4915/2** **NT4915/2**	2 modules with hinges
L4915/3 **N4915/3** **NT4915/3**	3 modules with hinges

PAIR OF KEY-COVERS

Pair of key-covers - LIVING INTERNATIONAL for all controls

Item	Description
L4911/15	1.5 modules with hinges

VERSATILE BASIC CONTROL LIVING



Lightable key-covers

LIVING INTERNATIONAL

L4931... L4931/2...

L4931/3...

LIGHT

N4931... N4931/2...

N4931/3...

LIGHT TECH

NT4931TH NT4931/2TH

NT4931/3TH

LIVING INTERNATIONAL lightable key-covers

AC = dark steel

BA = solid white

OR = real gold

LIGHT key-cover colours

AN = pearl azure

GN = pearl grey

YN = pearl yellow

SA = shiny silver

TA = light titanium

METAL KEY-COVERS

Lightable interchangeable metal (zama) key-covers for all controls

Item	Description
L4931...	1 module
N4931...	
NT4931...	
L4931/2...	2 modules with hinges
N4931/2...	
NT4931/2TH	
L4931/3...	3 modules with hinges
N4931/3...	
NT4931/3TH	

NOTE: the Item code of the key-covers must be completed with one of the colour codes indicated below (Ex. L4931AC).

Interchangeable unlightable key-covers

LIVING INTERNATIONAL

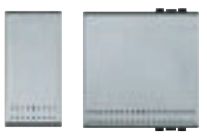
LIGHT

N911T N4911/2T

N4915T N4915/2T

LIGHT TECH

NT4911T NT4911/2T



NT4915T NT4915/2T

LIGHT KRISTALL

N4932 N4932/2 N4932/3

LIGHT AND LIGHT TECH KEY-COVERS

For 1 way switches, 2 way switches, intermediate switches

Item	Description
N4911T	1 module
NT4911T	
N4911/2T	2 modules with hinges
NT4911/2T	

For pushbuttons

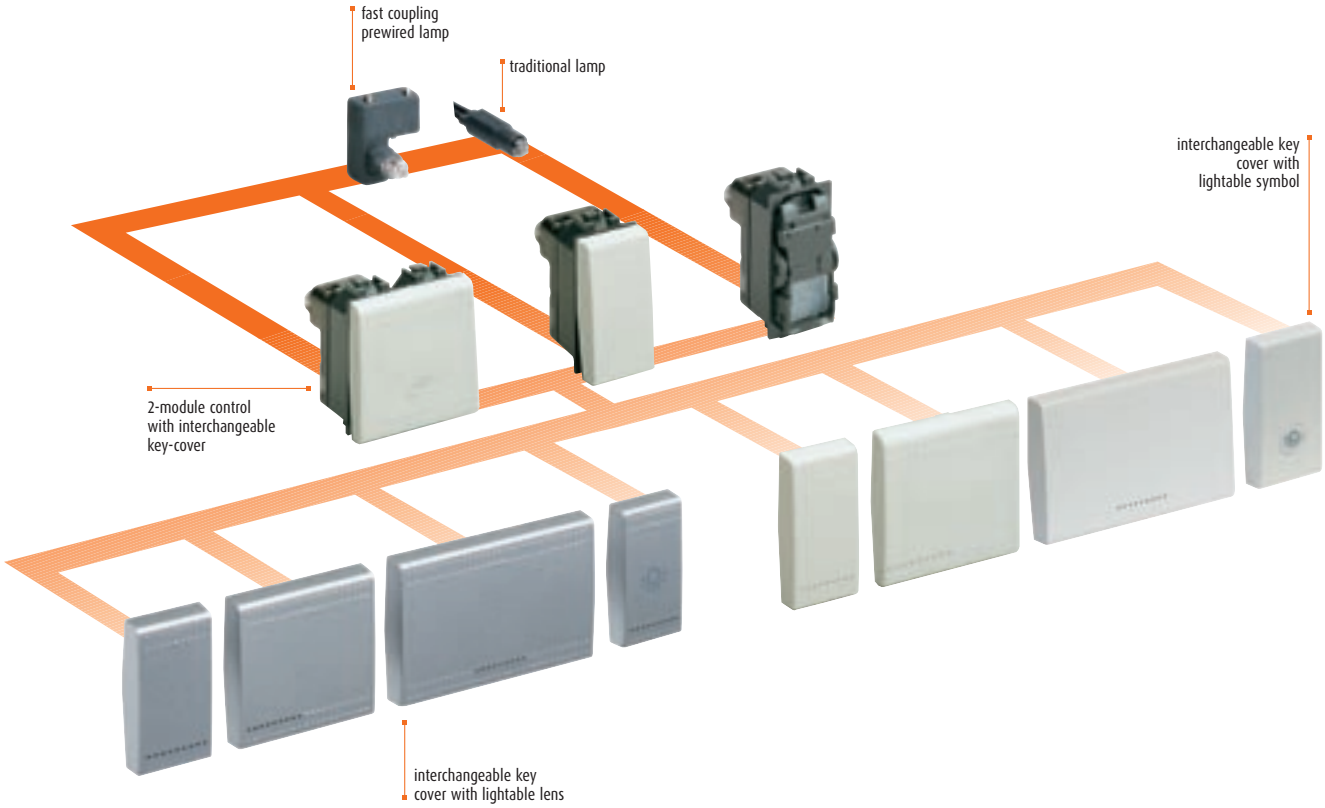
Item	Description
N4915T	1 module
NT4915T	
N4915/2T	2 modules with hinges
NT4915/2T	

KRISTALL KEY-COVERS

For all controls

Item	Description
N4932	1 module
N4932/2	2 modules - with hinges
N4932/3	3 modules - with hinges

VERSATILE BASIC CONTROL LIGHT AND LIGHT TECH



Key-covers with lightable symbols

LIVING INTERNATIONAL

L4921... L4921/2...

L4925... L4925/2...

LIGHT

N4921L... N4921L/2...

N4925L... N4925L/2...

LIGHT TECH

NT4921L... NT4921L/2...

NT4925L... NT4925L/2...

symbols

A B C

D E F

G H L

M N P

Q R

symbols

A B C

D E F

G H L

M N P

Q R

symbols

A B C

D E F

G H L

M N P

Q R

KEY-COVERS

Interchangeable key-covers with lightable symbols for 1 way switches, 2 way switches, intermediate switches

Item	Description
L4921...	1 module
N4921L...	
NT4921L...	
L4921/2...	2 modules with hinges
N4921L/2...	
NT4921L/2...	

Interchangeable key-covers with lightable symbols for pushbutton

Item	Description
L4925...	1 module
N4925L...	
NT4925L...	
L4925/2...	2 modules with hinges
N4925L/2...	
NT4925L/2...	

NOTE: complete the key-covers Item code with the reference letter for each symbol.

Control devices

LIVING INTERNATIONAL

L4002 L4012 L4022 L4391

L4004 L4004/2

L4027 L4028H

L4016

LIGHT

N4002 N4012 N4022 N4931

N4004 N4004L N4004L/2

N4027 N4028H

N4016

LIGHT TECH

NT4002 NT4012 NT4022 NT4931

NT4004L NT4004L/2

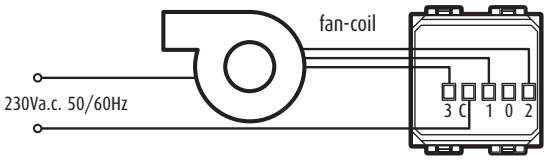
NT4027

NT4016

DEVICES COMMON TO THE THREE SERIES

2124N

EXAMPLE OF USE ITEM L/N/NT4016



L/N/NT4016

SWITCHES 16A 250V A.C.

Item	Description
L4002	2P 1 way switch
N4002	
NT4002	
L4012	2P key operated 1 way switch
N4012	
NT4012	

JACK OPERATED SWITCH

Item	Description
L4391	Jack operated switch with 2 NO
N4391	contacts – 48V 10A (for plug Item
NT4391	2124N see page dedicated to plugs)

2 WAY SWITCH 16A 250V A.C.

Item	Description
L4022	1P key operated 2 way switch
N4022	
NT4022	

INTERMEDIATE SWITCH 16A 250V A.C.

Item	Description
L4004	1P intermediate switch, prepared
N4004L	for interchangeable and lightable
NT4004L	key-covers with lamps Item 11250L, 11250LV, 11251L and 11252L (lightable)
N4004	as above – unlightable
L4004/2	2 modules – as above (lightable)
N4004L/2	
NT4004L/2	

CHANGEOVER SWITCH 16A 250V A.C.

Item	Description
L4027	1P double pushbutton switch 1-0-2
N4027	
NT4027	
L4028H	1P double pushbutton switch 3
N4028H	position for hotel installation - room condition indications: “Please don’t disturbe” and “Please make-up the room”

ROTARY SWITCH 3A 250V A.C.

Item	Description
L4016	Selector – 1 way rotary switch – 4
N4016	positions for controlling air
NT4016	conditioners, fans control, etc.

JACK

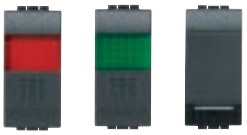
Item	Description
2124N	Jack for item L/N/NT4391

Control devices and relays

LIVING INTERNATIONAL

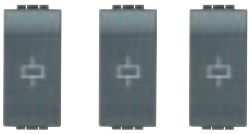
L4034 L4036 L4037

L4033



L4038R L4038V L4044

L4040



L4330/230 L4330/12 L4330/24 L4341 L4341/34

LIGHT

N4034 N4036 N4037

N4033

N4038R N4038V N4044

N4040

N4330/230 N4330/12 N4330/24 N4341 N4341/34

LIGHT TECH

NT4034 NT4036 NT4037

NT4033

NT4038R NT4038V NT4044

NT4040

NT4330/230 NT4330/12 NT4330/24 NT4341 NT4341/34

PUSHBUTTONS 10A 250V A.C.

Item	Description
L4034 **N4034** **NT4034**	1P NC pushbutton, prepared for interchangeable key-covers
L4036 **N4036** **NT4036**	Double pushbutton 1P (NO) + 1P (NO)
L4037 **N4037** **NT4037**	Interlocked double pushbutton 1P (NO) + 1P (NO)
L4033 **N4033** **NT4033**	1P (NO) cord pushbutton
L4038R **N4038R** **NT4038R**	1P (NO) pushbutton + lamp-holder for lamps 11250L, 11251L or 11252L - red diffuser
L4038V **N4038V** **NT4038V**	As above - for lamps 11250LV, 11251L or 11252L - green diffuser
L4044 **N4044** **NT4044**	2P (NO) pushbutton with independent contacts for traditional hospital system
L4040 **N4040** **NT4040**	1P (NO) pushbutton + lightable name plate with lamps L4743/12, L4743/24, L4744/230 and L4744/230V

MONOSTABLE RELAYS

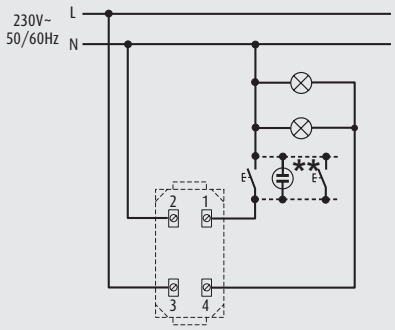
Item	Description
L4330/230 **N4330/230** **NT4330/230**	Monostable relay with NO/NC contact 250V a.c. 10A (resistive) 4A (inductive) coil power supply 230V a.c.
L4330/12 **N4330/12** **NT4330/12**	As above – coil power supply 12V a.c.
L4330/24 **N4330/24** **NT4330/24**	As above – coil power supply 12V a.c.

ELECTRONIC STEP RELAY

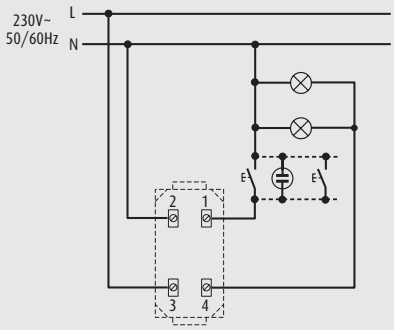
Item	Description
L4341 **N4341** **NT4341**	cyclic relay, switch 10AX 250V a.c. – 3 wires
L4341/34 **N4341/34** **NT4341/34**	cyclic relay, switch 10AX 250V a.c. – 3/4 wires

ELECTRONIC RELAY: electrical connections

3 wire connections:
for items L/N/NT4341
and L/N/NT4341/34**



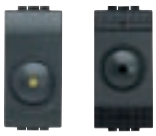
4 wire connections:
for item L/N/NT4341/34



** Light bulb cannot be installed with item L/N/NT4341/34

Dimmer

LIVING INTERNATIONAL



L4406
L4581

L4402

L4401

L4413
L4582

L4416
L4407
L4407/127

L4583

LIGHT

N4406
N4581

N4402

N4401

N4413
N4582

N4416
N4407
N4407/127

N4583

LIGHT TECH

NT4406

NT4402

NT4401

NT4413

NT4416
NT4407

DEVICES COMMON TO THE THREE SERIES

L4405/60 - L4405/105

Table to choose the dimmers

Loads Type	Power	Voltage (Va.c.)	Frequency (Hz)	Item
Resistive ferromagnetic transf.	60 to 500 W	250 ± 10%	50 and 60	L/N/NT4401
Resistive	60 to 500 W	230	50	L/N/NT4402
Resistive	100 to 500 W	230	50 and 60	L/N/NT4406
For electronic transformer	60 to 250 VA	230	50	L/N/NT4407
For electronic transformer	50 to 250 VA	110-127	50 and 60	L/N4407/127
Resistive-ferromagnetic transf.	60 to 500 VA	230	50	L/N/NT4413
Resistive	50 to 500 W	127	50 and 60	L/N4581
	50 to 1000 W	230		
Ferromagnetic transf.	50 to 500 W	127	50 and 60	L/N4582
Resistive	50 to 1000 W	230		
Ferromagnetic transf.	50 to 300 W	127	50 and 60	L/N4583
Resistive	50 to 500 W	230		
Resistive	60 to 500 W	230	50	L/N/NT4416

DIMMER

Item	Description
L4401 **N4401** **NT4401**	Knob-dimmer - TRIAC/IGBI - SOFT START and SOFT STOP anti-dazzling function - built-in fuse - 2 modules
L4402 **N4402** **NT4402**	Rotary dimmer built-in two way switch - MOS FET tech. - built-in fuse - 1 modules
L4406 **N4406** **NT4406**	Rotary dimmer - 1 modules
L4407 **N4407** **NT4407**	Touch dimmer for electronic transformer - 2 modules
L4407/127 **N4407/127**	As above-voltage 110-127V a.c.
L4413 **N4413** **NT4413**	Touch dimmer- TRIAC/IGBT tech. SOFT START and SOFT STOP anti-dazzling function - built-in fuse - 2 modules
L4581 **N4581**	Rotary dimmer - 1 modules
L4582 **N4582**	Touch dimmer - 2 modules
L4583 **N4583**	Rotary dimmer - 2 modules
NOTA: to choose the dimmer according to the technical features see the table below	

SLAVE/DIMMER

Item	Description
L4416 **N4416** **NT4416**	"Slave dimmer" TRIAC/IGBT tech. SOFT STARTand SOFT STOP anti-dazzling function - built-in fuse - For increasing the installed power controlled by a main dimmer (Item L/N/NT4413) - 2 modules

ELECTRONIC TRANSFORMERS

Electronic transformers for halogen lamps

Item	Description
L4405/60	Electronic transformer for low voltage halogen lamps - supply 230Va.c. - 50Hz – output 12V - controllable power 20W to 60W
L4405/105	As above – controllable power 35W to 105W

Electronic control devices

LIVING INTERNATIONAL

L4425
L4425/127

L4426
L4426/127

L4432
L4432/127

L4431 L4545

LIGHT

N4425
N4425/127

N4426
N4426/127

N4432
N4432/127

N4431 N4545

LIGHT TECH

NT4425

NT4426

NT4432

NT4431 NT4545

DEVICES COMMON TO THE THREE SERIES

L4531 - L4532

L4546

4482/7

4482/16

IR RECEIVERS WITH BUILT-IN RELAY

Item	Description
L4425 **N4425** **NT4425**	1 channel receiver with relay output - cyclic or monostable 6A cosφ 1 relay function - 230Va.c., 50 and 60Hz – 2 modules
L4425/127 **N4425/127**	as above – 110/127Va.c., 50 and 60Hz
L4426 **N4426** **NT4426**	2 channel receiver module with output through 2 interlocked relays 4A cosφ 1 – 230Va.c. 50 and 60Hz – 2 modules
L4426/127 **N4426/127**	as above – 110/127Va.c., 50 and 60Hz

PASSIVE IR SWITCHES

Item	Description
L4431 **N4431** **NT4431**	Switch with passive IR movement detector – relay output 6A resistive/ 2A inductive – 230Va.c. - 50 and 60 Hz
L4432 **N4432** **NT4432**	as above - can be activated from external pushbuttons too - relay output 6A resistive/2A inductive - with O-A-I selector – 230Va.c., 50 and 60Hz – 2 modules
L4432/127 **N4432/127**	as above – 110/127Va.c.

CODED KEY

Item	Description
L4531	Combination control with insertion of a 4 digit customizable code - switch function - non-powered contact 6A cosφ 1 at 250Va.c. and 8A at 35Vd.c. - 230Va.c., 50 and 60Hz - 2 modules
L4532	control as above – pushbutton function

KEY FOB SWITCH

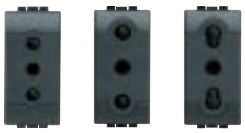
Item	Description
L4545 **N4545** **NT4545**	Key fob switch for lights and devices control in hotel rooms - time-lag switching off - max. load 30VA - 230Va.c. - 3 modules
L4546	Key fob for switch - as above

REMOTE CONTROLS

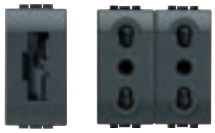
Item	Description
4482/7	7 channel IR remote control – powered with two 1.5V batteries type AAA
4482/16	16 channel IR remote control – powered with four 1.5V batteries type AAA

Socket outlets – Italian standard

LIVING INTERNATIONAL



L4113 L4119 L4180



L4115 L4180/2

L4180/3

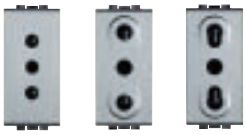
LIGHT

N4113 N4119 N4180

N4115 N4180/2

N4180/3

LIGHT TECH



NT4113 NT4119 NT4180

NT4115 NT4180/2

NT4180/3

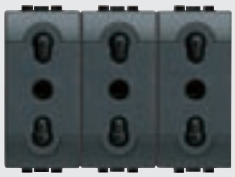
SOCKET OUTLETS – ITALIAN STANDARD

Item	Description
L4113	Socket 2P+E 10A 250Va.c. - center line
N4113	of holes 19mm - shuttered contact
NT4113	tubes Ø 4mm
L4119	Socket 2P+E 16A 250Va.c. – center line
N4119	of holes 26mm – shuttered contact
NT4119	tubes Ø 5mm
L4180	Socket 2P+E 10A/16A 250Va.c.
N4180	- center line of holes 19mm and
NT4180	26mm - shuttered contact tubes
L4115	Irreversible safety socket 2P+E 10A
N4115	250Va.c. for plug Item 2200NA or
NT4115	2200NN (see pages dedicated to the plug)

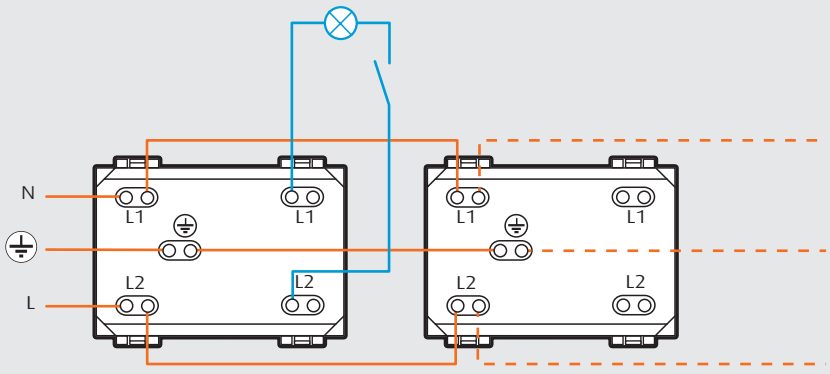
DUPLEX AND TRIPLEX SOCKET OUTLETS

Item	Description
L4180/2	Enbloc unit with two sockets 2P+E
N4180/2	10A and 16A 250V a.c. – center
NT4180/2	distance 19mm and 26mm – shuttered
L4180/3	Enbloc unit with three sockets 2P+E
N4180/3	10A and 16A 250V a.c. – center
NT4180/3	distance 19mm and 26mm – shuttered

Duplex / Triplex



Back



NOTE: double and triple pre-wired 10/16A socket with auxiliary terminals for small shunt.

Socket outlets – Italian standard

LIVING INTERNATIONAL

L4140

L4141

L4140/16

L4177

LIGHT

N4140

N4141

N4140/16

N4177

LIGHT TECH

NT4140

NT4141

NT4140/16

NT4177

DEVICES COMMON TO THE THREE SERIES

L4180R

L4140R

L4141R

L4140/16R

*

*

SOCKET OUTLETS – ITALIAN STANDARD

Item	Description
L4140 **N4140** **NT4140**	Socket 2P+E 10/16A with side contacts and central earthing-contact for SCHUKO sockets and 10A plugs with lined up pins - type P30 - center line of holes 19mm - shuttered contact tubes
L4141 **N4141** **NT4141**	Socket 2P+E 10/16A with side earthing-contact of SCHUKO type - shuttered contact tubes
L4140/16 **N4140/16** **NT4140/16**	Socket 2P+E 16A with side contacts and central earthing-contact for SCHUKO sockets and P30 type plugs with lined up pins 10/16A 250Va.c. - center line of holes 19mm – shuttered contact tubes

SHAVER SOCKET

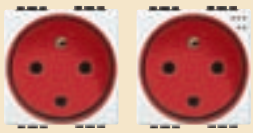
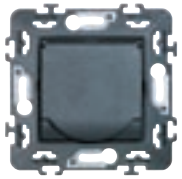
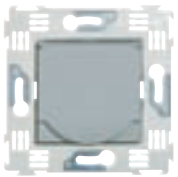
Item	Description
L4177 **N4177** **NT4177**	Shaver socket with insulating transformer – supply 230Va.c. 50 and 60Hz - output 115/230Va.c. 20VA
L4177/127 **N4177/127** **NT4177/127**	As above – supply 127Va.c. 50 and 60Hz - output 127/230Va.c.

RED SOCKET OUTLETS

Red socket outlets for preferential users

Item	Description
L4180R	Socket 2P+E 10A/16A 250Va.c. - center line of holes 19mm – shuttered contact tubes
L4140R	Socket 2P+E 16A with side contacts and central earthing-contact for Schuko sockets and P30 type plugs with lined up pins - center line of holes 19mm – shuttered contact tubes
L4140/16R	Socket 2P+E 10/16A 250Va.c. with side contacts and central earthing-contact for Schuko sockets and P30 type plugs with lined up pins center line of holes 19mm and 26mm – shuttered contact tubes
L4141R	Socket 2P+E 10/16A with side earthing-contact for Schuko sockets - shuttered contact tubes
***	The socket outlets are available in other colours too. Before ordering, please get in touch with the local BTicino sales organisation.

Socket outlets – European standards

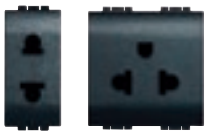
LIVING INTERNATIONAL	LIGHT	LIGHT TECH
L4142 L4143	N4142 N4143	NT4142 NT4143
L4144 L4145	N4144 N4145	NT4144 NT4145
L4146 L4147	 N4146 N4147	
L4148A L4148AL	N4148A N4148AL	NT4148A NT4148AL
 L4148AP	N4148AP	 NT4148AP
L4148APX	N4148APX	NT4148APX
L4148AR L4148AV	N4148AR N4148AV	

SOCKET OUTLETS - EUROPEAN STANDARDS

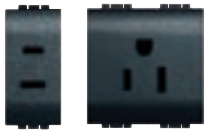
Item	Description
L4142 **N4142** **NT4142**	Socket 2P+E 10/16A 250Va.c. – shuttered contact tubes – French standard – 2 modules
L4143 **N4143** **NT4143**	Socket 2P 10/16A 250Va.c. – shuttered contact tubes – French standard – 2 modules
L4144 **L4144** **NT4144**	Socket as above 2P+E 10/16A 250Va.c. – with pilot lamp – 2 modules
L4145 **N4145** **NT4145**	Socket as above 2P+E 10/16A 250Va.c. – with cover – 2 modules
L4146 **N4146**	Socket 2P 10/16A 250Va.c. with indexing slot
L4147 **N4147**	Socket 2P 10/16A 250Va.c. with indexing slot and pilot lamp
L4148A **N4148A** **NT4148A**	SCHUKO socket 2P + T 10/16A with automatic terminals - German standard - 2 modules
L4148AL **N4148AL** **NT4148AL**	Socket as above - with pilot lamp
L4148AP **N4148AP** **NT4148AP**	Socket as above - with cover
L4148APX **N4148APX** **NT4148APX**	Socket as above - with identification cover
L4148AR **N4148AR**	Socket as above - red for preferential users
L4148AV **N4148AV**	Socket as above - green for preferential users

Socket outlets – Euro-American standard

LIVING INTERNATIONAL



L4125S L4126S
L4125 L4126

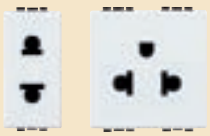


L4127S L4128S
L4127 L4128

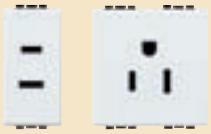
L4185S L4129S
L4185

L4188S
L4188

LIGHT



N4125S N4126S
N4125 N4126

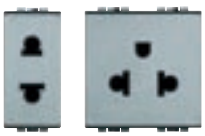


N4127S N4128S
N4127 N4128

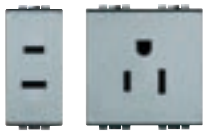
N4185S N4129S
N4185

N4188S
N4188

LIGHT TECH



NT4125S NT4126S
NT4125 NT4126



NT4127S NT4128S
NT4127 NT4128

NT4185S
NT4185

NT4188S
NT4188

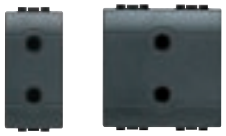
SOCKET OUTLETS

Socket outlets – Euro-American standard

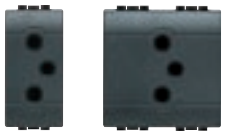
Item	Description
L4125S **N4125S** **NT4125S**	Socket 2P 16A 127/250Va.c. - unshuttered contact tubes - Euro-American standard
L4125 **N4125** **NT4125**	As above – 127/250Va.c. – shuttered contact tubes
L4126S **N4126S** **NT4126S**	Socket 2P+E 16A 127/250Va.c. – unshuttered contact tubes – Euro-American standard – 2 modules
L4126 **N4126** **NT4126**	As above – 127/250Va.c. – shuttered contact tubes
L4127S **N4127S** **NT4127S**	Socket 2P 15A 127/250Va.c. – unshuttered contact tubes – American standard
L4127 **N4127** **NT4127**	As above – 127/250Va.c. – shuttered contact tubes
L4128S **N4128S** **NT4128S**	Socket 2P+E 15A 127/250Va.c. – unshuttered contact tubes – American standard – 2 modules
L4128 **N4128** **NT4128**	As above – 127/250Va.c. – shuttered contact tubes
L4185S **N4185S** **NT4185S**	Universal duplex socket 2P+E 16A 127/250Va.c. – unshuttered contact tubes – Euro-American standard – 3 modules
L4185 **N4185** **NT4185**	As above – 127/250Va.c. - shuttered contact tubes
L4129S **N4129S**	Socket 2P+E 15A 127/250Va.c. - unshuttered contact tubes - American standard - 1 module
L4188S **N4188S** **NT4188S**	Universal duplex socket 2P+E 15A 127/250Va.c. – unshuttered contact tubes – American standard – 3 modules
L4188 **N4188** **NT4188**	As above – 127/250Va.c. - shuttered contact tubes

Socket outlets – different standards

LIVING INTERNATIONAL

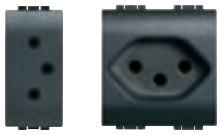


L4122 L4122/2



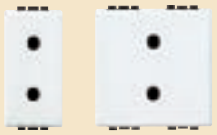
L4124 L4124/2

L4183 L4122ET

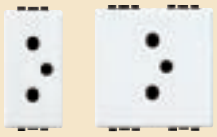


L4164/12 L4164/13

LIGHT



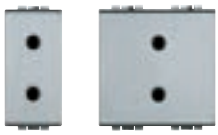
N4122 N4122/2



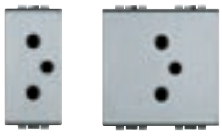
N4124 N4124/2

N4183 N4122ET

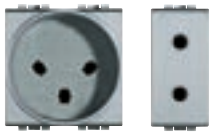
LIGHT TECH



NT4122 NT4122/2



NT4124 NT4124/2



NT4183 NT4122ET

SOCKET OUTLETS

Socket outlets – different standards

Item	Description
L4122 **N4122** **NT4122**	Socket 2P 10A 250Va.c. - contact tubes Ø 4mm - center line of holes 19mm - Spanish standard
L4122/2 **N4122/2** **NT4122/2**	Socket as above – 2 modules
L4124 **N4124** **NT4124**	Socket 2P+E 10A 250Va.c. - contact tubes Ø 4mm - center line of holes 19mm - off-center earthing contact tube - Spanish standard
L4124/2 **N4124/2** **NT4124/2**	Socket as above – 2 modules
L4183 **N4183** **NT4183**	Socket 2P+E 10/16A 250Vc.a. – special standard - 2 modules
L4122ET **N4122ET** **NT4122ET**	Socket 2P 10A 250Vc.a. – contact tubes Ø 4 - 4.8mm - center line of holes 19mm - Egypt standard
L4164/12	Socket 2P+E 10A 250Vc.a. – Swiss standard – 1 module
L4164/13	Socket as above – 2 modules

TV + SAT jacks

LIVING INTERNATIONAL

L4202D L4205D/2
L4202P L4201D/2
L4202PT L4201P/2
L4202DC

L4210D

L4211D L4269F

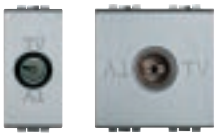
LIGHT

N4202D N4205D/2
N4202P N4201D/2
N4202PT N4201P/2
N4202DC

N4210D

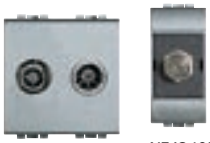
N4211D N4269F

LIGHT TECH



NT4202D NT4205D/2
NT4202P NT4201D/2
NT4202PT NT4201P/2
NT4202DC

NT4210D



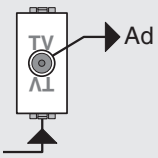
NT4211D NT4269F

DEVICES COMMON TO THE THREE SERIES

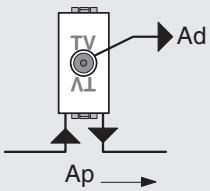
S2133

75RT (N)

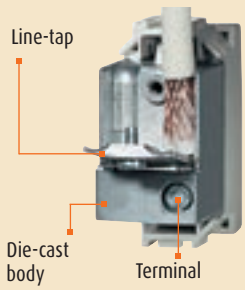
Shunted jacks



Pass-throught jacks



Back view



SCREENED TV + SAT JACK

Screened TV + SAT jacks in die-cast housing with current flow

Item	Description
L4202D **N4202D** **NT4202D**	Shunted coaxial jack - Ø 9.5mm - male connector - 1 module
L4205D/2 **N4205D/2** **NT4205D/2**	Jack as above - female connector - 2 modules
L4202P **N4202P** **NT4202P**	As above, pass-through jack
L4202PT **N4202PT** **NT4202PT**	As above, pass-through jack - with built-in 75Ω impedance adapter

SCREENED TV JACK

Screened TV jack in die-cast housing without current flow

Item	Description
L4202DC **N4202DC** **NT4202DC**	Shunted coaxial jack - Ø 9.5mm - male jack - 1 module
L4201D/2 **N4201D/2** **NT4201D/2**	As above - female jack - 2 modules
L4201P/2 **N4201P/2** **NT4201P/2**	Pass-through coaxial jack - Ø 9.5mm

SCREENED TV + RD + SAT JACKS

Screened TV + RD + SAT jacks in die-cast housing with current flow

Item	Description
L4210D **N4210D** **NT4210D**	As above - for installation into rectangular box Item 503E, 504E, 506L
L4211D **N4211D** **NT4211D**	Double coaxial shunted jack for TV and FM-LMC reception - Ø 9.5mm

TYPE F TV JACK

Item	Description
L4269F **N4269F** **NT4269F**	Type F TV female connector - 75Ω impedance - screw coupling

PLUGS

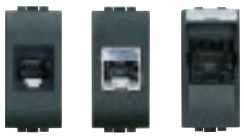
Plugs, mobile TV jacks and terminal resistance

Item	Description
S2133	Mobile TV plug and jack - Ø 9.5mm – white – for TV + SAT jacks and L/N/NT4206D
75RT(N)	Terminal resistance for lines closing with 75Ω impedance in installations with cascade connection – to be added to the last pass-through jack

Connectors
RJ45

LIVING INTERNATIONAL

L4279/5E L4279/6 L4279/5S L4279/6S



L4262/5E L4262/6 L4262/5S L4262/6S L4261AT5 L4261AT6

L4262

LIGHT

N4279/5E N4279/6 N4279/5S N4279/6S

N4262/5E N4262/6 N4262/5S N4262/6S N4261AT5 N4261AT6

N4262

LIGHT TECH

NT4279/5E NT4279/6 NT4279/5S NT4279/6S

NT4262/5E NT4262/6 NT4262/5S NT4262/6S NT4261AT5 NT4261AT6

NT4262

RJ45 CONNECTORS

RJ 45 data transmission/telephone connectors. Specially designed for data and telephone transmission. These connectors are widely used for computer networks with a 4-pair cable.

Item	Jack type	Cat.	For plug Item	Connection type
L4262/5E N4262/5E NT4262/5E	RJ45	5E	2841/4	with insul.(1) UTP
L4262/6 N4262/6 NT4262/6	RJ45	6	2841/4	with insul.(1) UTP
L4262/5S N4262/5S NT4262/5S	RJ45	5E	-	with insul.(1) FTP
L4262/6S N4262/6S NT4262/6S	RJ45	6	-	with insul.(1) FTP
L4279/5E N4279/5E NT4279/5E	RJ45	5E	2841/4	with insul. toolless type UTP
L4279/6 N4279/6 NT4279/6	RJ45	6	2841/4	with insul. toolless type UTP
L4279/5S N4279/5S NT4279/5S	RJ45	5E	2841/4	with insul. toolless type FTP
L4279/6S N4279/6S NT4279/6S	RJ45	6	2841/4	with insul. toolless type FTP
L4261AT5 N4261AT5 NT4261AT5	RJ45	5	2841/4	with insul.(2) UTP
L4261AT6 N4261AT6 NT4261AT6	RJ45	6	2841/4	with insul.(2) UTP
L4262 N4262 NT4262	RJ45	3	2841/4	with insul.(3) UTP

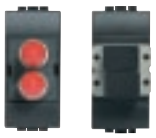
1) connection type 110.
2) connection type SYSTIMAX.
3) connection with AMP Barrel.

Data and telephone sockets

LIVING INTERNATIONAL

L4267/12 L4258/11N

L4262/11 L4231
L4262/12 L4231S



L4268ST L4268SC

L4268LC L4268MT
L4268MT/N

LIGHT

N4267/12 N4258/11N

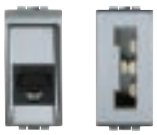
N4262/11 N4231
N4262/12 N4231S

N4268ST N4268SC

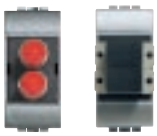
N4268LC N4268MT
N4268MT/N

LIGHT TECH

NT4267/12 NT4258/11N



NT4262/11 NT4231
NT4262/12 NT4231S



NT4268ST NT4268SC

NT4268LC NT4268MT
NT4268MT/N

RJ11 - 12 TELEPHONE CONNECTORS

These connectors have been designed for meeting the requirements of telephone connections.

Item	Jack type	For plug Item	Connection type
L4267/12 **N4267/12** **NT4267/12**	RJ12	2841/2 2841/3	with insul.(1)
L4258/11N **N4258/11N** **NT4258/11N**	RJ11	2841/2	K10
L4262/11 **N4262/11** **NT4262/11**	RJ11	2841/2	with insul.(1)
L4262/12 **N4262/12** **NT4262/12**	RJ12	2841/2 2841/3	with insul.(1)

1) connection type 110.

TELEPHONE SOCKETS

Item	Description
L4231 **N4231** **NT4231**	Telephone socket with line interruption downstream - for plug Item 2021
L4231S **N4231S** **NT4231S**	Phone socket without line interruption downstream - for plug Item 2021

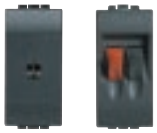
JACK FOR OPTICAL FIBER CONNECTIONS

Item	Description
L4268ST **N4268ST** **NT4268ST**	Coupling jack for optical fiber - ST cable socket - duplex
L4268SC **N4268SC** **NT4268SC**	Coupling jack for optical fiber - SC cable socket - duplex
L4268LC **N4268LC** **NT4268LC**	Connector for fiber - optic cable sealing and type LC - duplex
L4268MT **N4268MT** **NT4268MT**	Connector for fiber-optic cable 62.2/125 µm with cable sealing and MTRJ
L4268MT/N **N4268MT/N** **NT4268MT/N**	Connector for fiber-optic cable 50/125 µm with cable sealing and type MTRJ

Data sockets

LIVING INTERNATIONAL

L4269R L4291 L4292



L4293 L4294

L4265

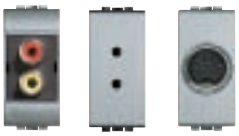
LIGHT

N4269R N4291 N4292

N4293 N4294

N4265

LIGHT TECH



NT4269R NT4291 NT4292

NT4293 NT4294

NT4265

SPECIAL SOCKET OUTLETS

Item	Description
L4269R **N4269R** **NT4269R**	RCA type double connector - with red and yellow collars - to crimp
L4291 **N4291** **NT4291**	Mini socket 2P - contact tubes ø 3mm - center line of holes 13mm - for auxiliary and similar circuits - 6A 24V SELV - terminal connection (for plug 2120 see pages on plugs)
L4292 **N4292** **NT4292**	5 pole DIN connector for hi-fi and similar devices - to weld
L4293 **N4293** **NT4293**	2 pole DIN connector - to weld
L4294 **N4294** **NT4294**	Connector for home cinema loud speakers

AMP C.O. SYSTEM

Item	Description
L4265 **N4265** **NT4265***	Housing for interchangeable modules for distribution through shielded and unshielded cable - cat5 with IDC connector

* this Item can be combined with LIVING INTERNATIONAL or LIGHT interchangeable modules

Control

LIVING INTERNATIONAL

L4441

L4442
L4442/127

L4448
L4448/127

L4449

L4450

LIGHT

N4441

N4442
N4442/127

N4448
N4448/127

N4449

N4450

LIGHT TECH

NT4441

NT4442

NT4448

NT4450

ROOM THERMOSTAT

Item	Description
L4441 **N4441** **NT4441**	Electronic room thermostat for heating and conditioning systems designed to be connected to a "summer/winter" commutator - regulation field for temperature 5-30°C - 2 leds to signal the functional condition - relay output with 1 commutation contact 2A 250Va.c. - power supply 230V a.c., 50 and 60Hz - 2 modules
L4442 **N4442** **NT4442**	Electronic room thermostat for heating and conditioning systems with a built-in "summer/winter" commutator - regulation field for temperature 5-30°C - 2 leds to signal the functional condition - relay output with a C-NO 2A 250V a.c. contact - power supply 230V a.c., 50 and 60Hz - 2 modules
L4442/127 **N4442/127**	As above - power supply 127Va.c., 50 and 60Hz

CHRONOTHERMOSTAT

Item	Description
L4448 **N4448** **NT4448**	Daily/weekly electronic chronothermostat for heating and conditioning systems - functioning: commutation on 4 programmes - liquid crystal display - back-up battery - power supply 230V a.c. - output contact in exchange 2A cosφ 0,5 - 5A cosφ 1 230V a.c., 50 Hz - 3 modules
L4448/127 **N4448/127**	As above - power supply 127Va.c., 50 and 60Hz
L4449 **N4449**	Daily/weekly electronic chronothermostat for heating and conditioning systems - functioning: commutation on 7 programms - liquid crystal display - power supply with batteries 2X1,5V - possibility of connection to a temperature and remote teleactivationan external probe - output contact in exchange 1A 230V a.c. - 3 modules

WALL MOUNTING CHRONOTHERMOSTAT

Item	Description
L4450 **N4450** **NT4450**	Daily/weekly electronic chronothermostat for heating and conditioning systems - liquid crystal display -power supply with battery 2x1,5V - output contact in exchange 1A cosφ 0,5 - possibility of connection to a temperature external probe

LIVING INTERNATIONAL	LIGHT	LIGHT TECH
L4461 L4661/127	N4461 N4661/127	NT4461
L4466 L4666/127 L4470 L4470/127	N4466 N4666/127 N4470 N4470/127	NT4466 N4470

TIMER SWITCH

Item	Description
L4461	Electronic timer switch with adjustment
N4461	1 to 12 minutes - distant control with
NT4461	pushbuttons - power supply 230Va.c., 50 and 60Hz - output contact 6A resistive/2A inductive 230Va.c.
L4461/127	As above - power supply 127Va.c. 50
N4461/127	and 60Hz

PROGRAMMING DEVICE

Item	Description
L4466	24 hour / 7 day electronic program-
N4466	ming device - 4 daily cycles with
NT4466	independent or repeatable program ming - power supply 230Va.c., 50 and 60Hz- output contact 8A resistive/2A inductive 230Va.c.
L4466/127	As above - power supply 127Va.c., 50
N4466/127	and 60Hz.

ALARM CLOCK

Item	Description
L4470	Electronic alarm clock with daily
N4470	programming - illuminated display
NT4470	- with working reserve - power supply 230Va.c., 50 and 60Hz
L4470/127	As above - power supply 127Va.c., 50
N4470/127	and 60Hz

Audible signalling devices

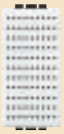
LIVING INTERNATIONAL

L4351/12 L4355/12
L4351/230
L4351/127

L4356/12 L4357/12
L4356/230
L4356/127

LIGHT

N4351/12 N4355/12
N4351/230
N4351/127



N4356/12 N4357/12
N4356/230
N4356/127

LIGHT TECH

NT4351/12 NT4355/12
NT4351/230
NT4351/127

NT4356/12 NT4357/12
NT4356/230
NT4356/127

BELLS

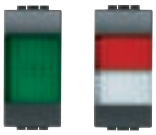
Item	Description
L4351/12 **N4351/12** **NT4351/12**	Bronze bell 12Va.c. - 5VA - 80dB
L4351/230 **N4351/230** **NT4351/230**	Bronze bell 230Va.c. - 8VA - 80dB - 50 and 60 Hz
L4351/127 **N4351/127**	Bronze bell 127Va.c. - 8VA - 80dB
L4355/12 **N4355/12** **NT4355/12**	Electronic bell - 3 different sounds - with front volume adjustment - 12Va.c./d.c. - 2 modules

BUZZERS

Item	Description
L4356/12 **N4356/12** **NT4356/12**	Buzzer 12Va.c. - 5VA - 74dB
L4356/230 **N4356/230** **NT4356/230**	Buzzer 230Va.c. - 8VA - 75dB - 50 and 60 Hz
L4356/127 **N4356/127**	Buzzer 127Va.c. - 8VA - 75dB
L4357/12 **N4357/12** **NT4357/12**	Electronic buzzer - 12Va.c./0.9VA - 12Vd.c./0.5W - 70dB

Luminous signalling devices

LIVING INTERNATIONAL



L4371A
L4371T
L4371R
L4371V

L4372AV
L4372RT

L4373H

LIGHT

N4371A
N4371T
N4371R
N4371V

N4372AV
N4372RT

N4373H

LIGHT TECH

NT4371A
NT4371T
NT4371R
NT4371V

NT4372AV
NT4372RT

DEVICES COMMON TO THE THREE SERIES

(*) See at right side

L4734/12
L4734/24
L4734/230

PILOT LIGHTS

Item	Description
L4371A **N4371A** **NT4371A**	Lampholder with orange diffuser - for lamps Item 11250L - 11251L - 11252L
L4371T **N4371T** **NT4371T**	Lampholder with transparent diffuser - for lamps Item 11250L - 11251L - 11252L
L4371R **N4371R** **NT4371R**	Lampholder with red diffuser - for lamps Item 11250L - 11251L - 11252L
L4371V **N4371V** **NT4371V**	Lampholder with green diffuser - for lamps Item 11250L - 11251L - 11252L
L4372AV **N4372AV** **NT4372AV**	Double lampholder with 2 diffusers: 1 orange + 1 green - for lamps Item 11250L (11250LV into green lamphol-der) - 11251L - 11252L
L4372RT **N4372RT** **NT4372RT**	1 orange + 1 green - for lamps Item 11250L (11250LV into green lamphol-der) - 11251L - 11252L

PILOTS LIGHT FOR HOTELS

Item	Description
L4373H **N4373H**	Double lampholder with red and green diffusers - "do not disturbe / make up the room" indicator - for lamps item 11250L (11250LV into green lampholder) - 11251L - 11252L

(*) OFF-DOOR LIGHT UNITS

Item	Description
L4385/12R **L4385/12V** **L4385/12B**	Power supply 12V - red, green, white
L4385/24R **L4385/24V** **L4385/24B**	Power supply 24V - red, green, white
L4385/127R **L4385/127V** **L4385/127B**	Power supply 127V - red, green, white
L4385/230R **L4385/230V** **L4385/230B**	Power supply 230V - red, green, white

NOTE: for all models we recommend a mounting height between 160 and 205

SPARE LAMPS

Spare lamps for off-door light units

Item	Description
L4745/12	Spare lamp E10 12V - 5W
L4745/24	Spare lamp E10 24V - 5W
L4745/230	Spare lamp E10 230V - 5W

SIGNALLING LAMP

Spare lamps for off-door light units

Item	Description
L4374/12	Signalling lamp with white light led - 12Va.c.
L4374/24	Signalling lamp with white light led - 24Va.c.
L4374/230	Signalling lamp with white light led - 230Va.c.

Indicators and emergency lamps

LIVING INTERNATIONAL

L4380

LIGHT

N4380

LIGHT TECH

NT4380

DEVICES COMMON TO THE THREE SERIES

L4384/1
L4384/3

L4386/1 - L4386/1L - L4386/1/127
L4386/3 - L4386/3L - L4386/3/127

L4382/12
L4382/24
L4382/230

L4784/1
L4784/3

L4786/1
L4786/3

L4380/B

STEP MARKER LIGHT

Item	Description
L4382/12	Step marker light with white light led - 12Va.c.
L4382/24	Step marker light with white light led - 24Va.c.
L4382/230	Step marker light with white light led - 230Va.c.

PORTABLE EMERGENCY LIGHT UNIT

Item	Description
L4380 **N4380** **NT4380**	Plug-in miniature emergency light unit - automatic functioning upon power failure - with recharging base - interchangeable Ni-Cd batteries - power supply 110/127/220/230Va.c., 60Hz - 2 modules - 50 and 60 Hz
L4380/B	Spare battery for Item L/N/NT4380

EMERGENCY LIGHT

Item	Description
L4384/1	Emergency light that illuminates automatically upon power failure - LED indicating mains status - local disactivating pushbutton - possible distant exclusion through switch - replaceable rechargeable Ni-Cd battery - 1 hour duration - power supply 230Va.c., 60Hz - 1W lamp - 4 modules - 50 and 60 Hz
L4384/3	As above - 3 hour duration
L4386/1 **L4386/1/127**	As above - 1 hour duration - 1.3W lamp - 6 modules, 50 L4386/1/127 and 60Hz for model 127V
L4386/3 **L4386/3/127**	As above - 3 hour duration, 50 and 60Hz for model 127V
L4386/1L	As above - with permanent illumination - for rooms that need light for 24h a day - 1 hour duration
L4386/3L	As above - 3 hour duration
L4784/1	Spare battery for Item L4384/1
L4784/3	Spare battery for Item L4384/3
L4786/1	Spare battery for Item L4386/1 and L4386/1L
L4786/3	Spare battery for Item L4386/3 and L4386/3L

Electrical safety devices

LIVING INTERNATIONAL

L4321

L4301/6
L4301/10
L4301/16

L4305/6
L4305/10
L4305/16

L4311/10
L4311/16

L4536

LIGHT

N4321

N4301/6
N4301/10
N4301/16

N4305/6
N4305/10
N4305/16

N4311/10
N4311/16

N4536

LIGHT TECH

NT4321

NT4301/6
NT4301/10
NT4301/16

NT4305/6
NT4305/10
NT4305/16

NT4311/10
NT4311/16

NT4536

FUSE CARRIER

Item	Description
L4321 **N4321** **NT4321**	Fuse carrier for fuses 5x20 and 6.3x32 - max. 10A 250Va.c.

CIRCUIT BREAKERS

Automatic thermal magnetic circuit breakers

Item	Description
L4301/6 **N4301/6** **NT4301/6**	2 pole automatic thermal magnetic with 1 protected pole indicator of open/ closed contacts - breaking capacity 1500A 127/230Va.c.
L4301/10 **N4301/10** **NT4301/10**	Circuit breaker as above - 10A - breaking capacity 3000A 127/230Va.c.
L4301/16 **N4301/16** **NT4301/16**	Circuit breaker as above - 16A - breaking capacity 3000A 127/230Va.c.

"SALVAVITA"

Residual current thermal magnetic automatic circuit breakers

Item	Description
L4305/6 **N4305/6** **NT4305/6**	"Salvavita" double pole RCBO with 1 protected pole IΔn 10mA - 6A 127/230Va.c. - indicator of open/ closed contacts - test pushbutton - breaking capacity 1500A 127/230Va.c. - 2 modules
L4305/10 **N4305/10** **NT4305/10**	"Salvavita" as above - 10A - breaking capacity 3000A 127/230Va.c.
L4305/16 **N4305/16** **NT4305/16**	"Salvavita" as above - 16A - breaking capacity 3000A 127/230Va.c.

INTERLOCKED SOCKETS

Sockets 2P+E with tulip contact – degree of protection 2.1 - interlocked with two-pole automatic thermal magnetic circuit breakers with 1 protected pole – 2 modules

Item	In	Vn	Breaking capacity
L4311/10 **N4311/10** **NT4311/10**	10A	230Va.c.	3000A - 230Va.c.
L4311/16 **N4311/16** **NT4311/16**	16A	230Va.c.	3000A - 230Va.c.

CURRENT DISCHARGER

Item	Description
L4536 **N4536** **NT4536**	1P Overvoltage discharger to be combined with the users mains socket - rated discharge voltage In=1kA - max. current Imax.=2kA - max. protection voltage Up=1kV - rated voltage Un=110-230Va.c. - max. permanent voltage Uc=250Va.c.

Sound diffusione system
HI-FI 2 wires

LIVING INTERNATIONAL	LIGHT	LIGHT TECH
L4560	N4560	NT4560
L4563	N4563	NT4563
L4683	N4683	NT4683

DEVICES COMMON TO THE THREE SERIES

L4561

F500
F500COAX

3495

SOUND SOURCES

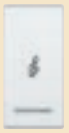
Item	Description
L4560 **N4560** **NT4560**	Flush-mounted RCA input – two modules to control a stereo source
L4563 **N4563** **NT4563**	Living flush-mounting device, with knob for power ON/OFF adjustment, volume control and programmed radio station or CD track change – 2 modules

CONTROLS

Item	Description
L4683 **N4683** **NT4683**	TOUCH SCREEN
L4684	colour touch screen

SOUND SOURCES

Item	Description
L4561	device for controlling stereo sources set with infrared remote control – possibility of controlling the source via the amplifiers or special commands – 4 DIN modules – complete with RCA/RCA cable and cable with jack for connecting the IR transmitter
F500	RDS stereo radio tuner – 4 DIN modules – complete with depth compensator for DIN rail
F500COAX	RDS stereo radio tuner with coaxial connector for external aerial – 4 DIN modules – complete with depth compensator for DIN rail
3495	source isolator for stereo sources class I - with two couples female connectors RCA where to "IN" connecting the stereo sources (stereo systems, CD players or "OUT" audio PC) and to "OUT" connect the RCA input or device for controlling stereo - is possible connecting the stereo sources class II (when there are two or more stereo sources class II)

LIVING INTERNATIONAL	LIGHT	LIGHT TECH
L4911BF	N4911BFM	NT4911BFM
L4911AF L4911AI L4911BE	N4911AFM N4911AIM  N4915BEM	NT4911AFM NT4911AIM NT4915BEM
336983	336982	336984

LIGHTABLE BUTTON-COVERS

Item	Description
L4911BF **N4911BFM** **N4911BFM**	lightable button-cover, sound system functions
L4911AF **N4911AFM** **NT4911AFM**	lightable button-cover ON-OFF-GEN
L4911AI **N4911AIM** **NT4911AIM**	lightable button-cover ON-OFF -adjustment
L4911BE **N4915BEM** **NT4915BEM**	lightable button-cover, treble clef

CONNECTORS FOR INTERFACE

Connectors for the interface of the stereo control BUS cable

Item	Description
336983	8-contact connector to connect interface Item L4686 to the BUS
336982	as above - LIGHT series
336984	as above - LIGHT TECH series

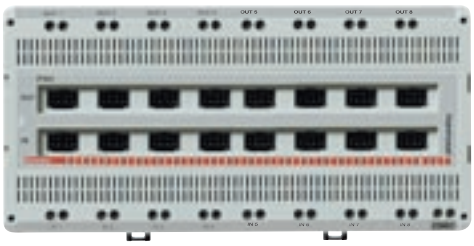
Sound diffusione system
HI-FI 2 wires

DEVICES COMMON TO THE THREE SERIES

L4651/2

L4562

F502



F441M

F441

CONTROLS

Item	Description
L4651/2	special control for managing the amplifiers to be completed with the lightable button-covers for switching devices on and off, volume control, source changing and programmed radio station changing – for 2 modules

AMPLIFIERS

Item	Description
F502	amplifier 4 DIN mod.
L4562	flush mounting amplifier

AUDIO - VIDEO NODE

Item	Description
F441M	Multi-channel matrix with cross-connection, mixing switch functions for the distribution of both the stereo sound source signal and audio/video signals of the 2-wire audio/video door-entry system – 8 inputs (first 4 for the two-wire audio/video system and the others for the stereo sound source) and 8 outputs – 10 DIN modules – complete with depth compensator for DIN rail
F441	audio/video node for mixing audio sources (Max 4 sources) to 4 outputs – 6 DIN modules – complete with depth compensator for DIN rail and system cable

LIVING INTERNATIONAL

L4565

LIGHT

N4565

LIGHT TECH

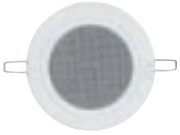
NT4565

APPARECCHI COMUNI ALLE TRE SERIE

L4566

L4567

L4569



L4566/10

346000

3499

L4568

LOUDSPEAKERS

Item	Description
L4565 **N4565** **NT4565**	loudspeaker 16 ohm for box 506E - 12W
L4566	ceiling-mounted loudspeaker 8 ohms - 100W
L4566/10	ceiling-mounted loudspeaker 8 ohms - 10 cm diameter - 100W
L4567	wall-mounted loudspeaker 8 ohms - 40W
L4568	8 ohm loudspeaker with dimensions equal to a 60x60 cm false ceiling panel for false ceiling installation - RSW - white
L4569	loudspeaker from outside - 8 ohms - 70W

POWER SUPPLIES

Item	Description
346000	power supply unit for sound system - input 230V a.c. output 27V d.c. - maximum absorbed 1,2A - fastening on DIN rail occupyin 8 modules
346001	power supply unit for sound system - input 230V a.c. output 27V d.c. - maximum absorbed 1A - fastening on DIN rail occupyin 8 modules

LINE TERMINATOR

Item	Description
3499	line terminator – to be installed on the used outputs of the audio/video node

Burglar alarm system

LIVING INTERNATIONAL	LIGHT	LIGHT TECH
L4600/4	N4600/4	NT4600/4
L4600/1 L4603/4	N4600/1 N4603/4	NT4600/1 NT4603/4
L4607/4 L4603/8	N4607/4 N4603/8	NT4607/4 NT4603/8
L4604	N4604	NT4604

4-ZONE CONTROL UNIT

Item	Description
L4600/4 **N4600/4** **NT4600/4**	Miniature control unit - it allows the connection/disconnection of the system, the control of 4 zones, the programming of up to 30 remote controls, the carrying out of system tests and the alarms management with relevant signalling and memory

SINGLE ZONE CONTROL UNIT

Item	Description
L4600/1 **N4600/1** **NT4600/1**	Miniature control unit - it allows the connection/disconnection of the system, the control of 1 zone, the programming of up to 30 remote controls, the carrying out of system tests and the alarms management with relevant signalling and memory

ZONE SUBDIVIDER 1 TO 4

Item	Description
L4603/4 **N4603/4** **NT4603/4**	Receiver for connecting/ disconnecting the system by means of remote control - pushbuttons for controlling 4 zones - zones and system status signalling through LED - it can be coupled with the single zone control unit in order to extend the system from 1 to 4 zones
L4607/4 **N4607/4** **NT4607/4**	As above - with transponder item 3530, item 3530S and item 3540

ZONE EXPANDER 5 TO 8

Item	Description
L4603/8 **N4603/8** **NT4603/8**	Module for expanding the zones that can be subdivided - control pushbuttons of zones 5 to 8 - zones status signalling through LED - it can be coupled with 4 zone or single zone control unit + zone expander 1 to 4 - for expanding the system up to 8 zones

ELECTRONIC CONNECTING KEY

Item	Description
L4604 **N4604** **NT4604**	Receiver for the system connection/ disconnection through remote control - zones status signalling through LED - possibility to set the activation of fixed zones - auxiliary channel available for the activation of access controls (door locks)

COMMON DEVICES

3500N

3500GSM

3530
3530S

3540

4050

CONTROL UNIT

Item	Description
3500N	unit with PSTN integrated telephone dialing device – it enables you to manually switch the system on and off, with transponder and IR remote control; bi-directional communication between the user, the burglar alarm system and the automation
3500GSM	unit as above but with PSTN and GSM integrated telephone dialing device. GSM antenna is supplied

TRANSPONDER

Item	Description
3530	portable badge – when brought close to the transponder reader it activates it allowing the transfer of the signal generated on the BUS – does not require batteries for power – can be automatically coded by means of the transponder reader
3530S	as above – thin
3540	as above – key-holder

IR REMOTE CONTROL

Item	Description
4050	portable infrared remote control to switch the system on or off – can be coded automatically via the unit – powered with two lithium batteries (supplied) – life: 50000 operations

Burglar alarm system

LIVING INTERNATIONAL	LIGHT	LIGHT TECH
L4614 L4615	N4614 N4615	NT4614 NT4615
L4620 L4610 - L4613	N4620 N4610 - N4613	NT4620 NT4610 - NT4613
L4611 L4612 L4612/12	N4611 N4612 N4612/12	NT4611 NT4612 NT4612/12

COMMON DEVICES

3480

F482

RELAY ACTUATOR

Item	Description
L4614 **N4614** **NT4614**	Relay activating module with multiple configuration - C-NO-NC contacts, 24Vd.c. 0.4A cosφ 0.4

AUXILIARY CHANNEL INTERFACE

Item	Description
L4615 **N4615** **NT4615**	Interface module for NO or NC auxiliary contacts - optoinsulated input 5-12Va.c./d.c.

RADIO EXPANDER

Item	Description
L4620 **N4620** **NT4620**	Radio tuner module - to be used for remote assistance to people in difficulties - to be coupled with remote control Item L4621 - it can be used with radio detectors

PASSIVE IR DETECTORS

Item	Description
L4610 **N4610** **NT4610**	Volumetric passive IR movement detector - alarm signalling LED with memory - range 8 meters, angle of detection 105°, 14 beams on 3 levels - pre-alarm auxiliary channel
L4611 **N4611** **NT4611**	Movement detector as above - angle of detection can be reduced from 105° down to 0° - swinging lens on 2 axes

DOUBLE-TECHNOLOGY DETECTORS

Item	Description
L4613 **N4613** **NT4613**	Double-technology volumetric presence sensor made up of two detectors: an infrared detector to trace warm bodies (IR) and a microwave detector to trace movement (MW). The alarm is activated only when both tracing technologies are activated.

CONTACT INTERFACE

Item	Description
L4612 **N4612** **NT4612**	NC contact interface module - possibility of connecting a balanced/ non-balanced contact protection line
L4612/12 **N4612/12** **NT4612/12**	Interface module for shutters protecting cord detector - it can also be connected with NC/NO and glass breaking detectors Item 3516
F482	NC electromagnetic contact interface module – can connect 2 balanced and unbalanced contact protection lines – alarm indication LED with operation memory
3480	as above – Basic module container

LIVING INTERNATIONAL

L4607

L4605

4070

LIGHT

N4607

N4605

N4070

LIGHT TECH

NT4607

NT4605

NT4070

DEVICES COMMON TO THE THREE SERIES

4072L
4072A

4075N

KEYLOCK DISCONNECTOR AND SIRENS

Item	Description
L4605 **N4605** **NT4605**	Module for disarming and blocking the system through mechanical key - LED signalling of system status - fitted with hiding cover - safety key with 10,000 combinations
4070 **N4070** **NT4070**	Internal siren for installation on flush-mounting box Item 506E - to be equipped with 6V battery 0.5Ah Item 3507/6 – sound intensity 90dB(A) at 3m distance - protected against rip-off and tampering
4072L	External siren with built-in battery for supplying the whole system – to be equipped with 12V battery 12Ah Item 3505/12
4072A	External siren - to be equipped with 12V battery 7Ah - to be combined with power supply Item E47ADC

TELEPHONE DIALLING DEVICE

Item	Description
4075N	Dialling device to be connected with the telephone line, that can automatically dial up to 16 telephone numbers + a "jolly" number, sending six different alarm messages

TRANSPONDER READER

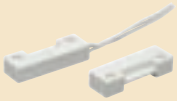
Item	Description
L4607 **N4607** **NT4607**	Transponder reader for switching the system ON and OFF by means of transponder (badge) Item No. 3530 - Auxiliary channel available for activations

Burglar alarm system

DEVICES COMMON TO THE THREE SERIES

3510

3513



3511

3510M

3510PB

3512

3516

3514

3518 - 3519
3518/150
3518/50

ELECTROMAGNETIC CONTACT

Item	Description
3510	NC electromagnetic contact interface detectors and protection line – version for flush mounting
3510M	sensor as above – brass, high mechanical resistance – used for non-ferromagnetic window and door frames with a low section profile
3510PB	sensor as above – brass, high mechanical resistance – used for all types of window and door frames and armored doors
3511	sensor as above – version for visible mounting
3512	sensor as above – die-cast aluminum for swing door or sliding door installations. For floor installations
3513	sensor as above – version for visible mounting on metal surfaces (main doors)

DETECTOR FOR ROLLING SHUTTERS

Item	Description
3514	detector to protect rolling shutters or similar winding shutters – can also manage an opening magnet (supplied) to check the perimeter

PIEZOELECTRIC DETECTOR

Item	Description
3516	piezoelectric window-breaking detector. Installation by means of double-sided adhesive tape, supplied

INFRARED BARRIERS

Articolo	Descrizione
3518/50	active infrared barriers, to protect windows and doors. The device is made up of 2 columns, one acts as a TRANSMITTER (TX), the other as a RECEIVER (RX). When several IR beams are broken the alarm is immediately triggered – length 0.5 meters
3518	as above – length 1 meter
3518/150	as above – length 1.5 meters
3519	as above – length 2 meters

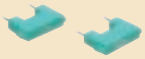
DEVICES COMMON TO THE THREE SERIES

L4630

L4669S

N4640

L4621

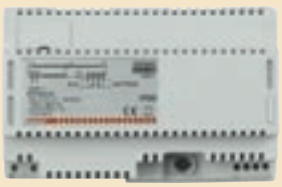


(*) for items see at right side

3515

3501K

E46ADCN
E46ADCN/127



E47ADCN

E48

E48A1
E48A2

VARIOUS ACCESSORIES

Item	Description
3515	Spare plug-in terminals
L4630	Tampering device for protection of IDS devices
L4669S	SCS isolated twisted pair consisting of 2 flexible wires with sheath twisted and not screened for IDS - isolation 300/500V - conforms to CEI 46-5 and CEI 20-20 - 100 m. reel

(*) CONFIGURATOR SET

(*) Configurator set - package of 10 pieces

Item	Description
3501/1	Configurator 1
3501/2	Configurator 2
3501/3	Configurator 3
3501/4	Configurator 4
3501/5	Configurator 5
3501/6	Configurator 6
3501/7	Configurator 7
3501/8	Configurator 8
3501/9	Configurator 9
3501/K	Configurator kit - configurator from n° 0 to n° 9

IR MINI DETECTORS

Item	Description
N4640	Passive IR movement detector - detection range 8 meters, opening 105°, 14 beams on 3 levels - wall, sloping and angle-mounting

RADIO REMOTE CONTROL

Radio remote control for remote assistance

Item	Description
L4621	Radio remote control for sending remote assistance alarms - it can be coded automatically through radiotuner Item L4620, N4620 and L4610 NT4620 - power supply through 2 Lithium batteries (supplied) - duration: two years

POWER SUPPLIES

Item	Description
E46ADCN	Power supply for burglar-alarm system to be used with external siren Item 4072L – input 230V a.c. output 27V d.c. SELV – maximum absorbed current 450mA – 8 DIN modules
E46ADCN/127	Power supply as above - input 127V a.c.
E47ADCN	Power supply as above to be used with optional external siren Item 4072A – 8-module version for fastening on DIN rail for wall-mounted containers Item F115/8A – made for the connection of 1 12V 7/12/24Ah battery for self-supply of the whole system
E48	Basic unit for supplying MY HOME systems with several installations (Burglar alarm, Automation, etc.) to be combined with the accessory modules item E48A1 and item E48A2 – Power supply 110-230V a.c., output 29-35V c.c. 1.2A, absorbed power 131VA cosφ0.99 - 10 DIN modules
E48A1	Accessory module for supplying 27V d.c. 1.2A power to the Burglar alarm, Automation and Temperature control systems – possible to connect 12V 7.2-24Ah back-up battery – Size: 4 DIN modules – Pd=7W
E48A2	Accessory module for supplying 27V d.c. 1.2A power to the Burglar alarm, Automation, Temperature control and 2 wire Video Door Entry systems - possible to connect 12V 7.2÷24Ah back-up battery – Size: 4 DIN modules – Pd=4.6W

Burglar alarm system

DEVICES COMMON TO THE THREE SERIES

502LPA

502NPA

502PA

F115/8A
F115/8B

335919
3559

3505/12

3507/6

WALL-MOUNTING BOXES

Wall-mounting boxes for modular devices

Item	Description
502LPA **502NPA**	Low-profile surface-mounting box - fitted with tampering device - 2 modules - complete with supporting frame and white faceplate for Light version (LB - LIGHT white colour)
502PA	Angular surface-mounting box - with tampering device - 2 modules - complete with supporting frame and white faceplate for Light version (LB - LIGHT white colour)

Wall-mounting boxes for power supply and batteries

Item	Description
F115/8A	Wall-mounting DIN housing for power supply Item E47ADC
F115/8B	Housing for 12V battery 7Ah for supplying the IDS through power supply Item E47ADC - tampering contact against opening attempts

CONNECTING CABLES

Item	Description
335919	serial PC connecting cable for programming the units item 3500N and 3500GSM
3559	as above - connection through USB port

BATTERIES

Item	Description
3505/12	12V battery 12Ah for external siren Item 4072L
3507/6	6V battery 0.5Ah for internal siren Item 4070, N4070, NT4070, telephone dialling device item 4075N and control unit with telephone dialling device Item 3500

Gas detectors

LIVING INTERNATIONAL

L4511/12 L4512/12

L4520 L4541

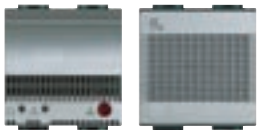
LIGHT

N4511/12 N4512/12

N4520 N4541

LIGHT TECH

NT4511/12 NT4512/12



NT4520 NT4541

DEVICES COMMON TO THE THREE SERIES

N719

F91/12E

L4525/12NO

GAS DETECTORS

Item	Description
L4511/12 **N4511/12** **NT4511/12**	Methane gas detector with optical and audible alarm (85dB) - internal self-diagnosis - prearranged for the control of signal repeaters - power supply 12Va.c./d.c. - 2 modules
L4512/12 **N4512/12** **NT4512/12**	LPG detector with optical and audible alarm (85dB) - internal self-diagnosis - prearranged for the control of signal repeaters - power supply 12Va.c./d.c. - 2 modules

SIGNAL REPEATER

Item	Description
L4520 **N4520** **NT4520**	Signal repeater for gas detectors - optical/audible alarm - relay output with 1 switching contact 6A resistive 2A inductive - 2 modules

TRANSFORMER

Item	Description
L4541 **N4541** **NT4541**	Safety transformer - input 230Va.c. - 50/60Hz - output 12Va.c. - 4VA - 2 modules

WALL-MOUNTING DETECTOR

Wall-mounting methane gas detector

Item	Description
N719	Methane gas detector with optical and audible alarm (85dB) - internal self-diagnosis - internal relay 6A cosφ 1 - solenoid valve control with manual reset 2 to 200 VA (12 to 230V a.c.) - power supply through sheathed or single pole cables in trunking at sight or flush pipes

DIN TRANSFORMER

Item	Description
F91/12E	Safety transformer - input 230Va. c. - 50/60Hz -output 12Va.c. - 6VA - housing for DIN rail - 3 modules

SOLENOID VALVE

Item	Description
L4525/12NO	NO gas solenoid valve - manual reset - power supply 12V 50Hz - power 3VA - consumption in non-working condition: 0 - max. pressure 500 mbar - IP65 protection degree - working temperature -15+60°C - 3/4 " threaded caps and 1/2 " reductions supplied

Hearing request

LIVING INTERNATIONAL

L4550

504LIV

150432

LIGHT

N4550

150433

LIGHT TECH

NT4550

150434

DEVICES COMMON TO THE THREE SERIES

4930/05

4930/1

4930/3

392123

MODULES

Item	Description
L4550 **N4550** **NT4550**	Electronic module for hearing request – management up to 9 set out and changeable messages – management of messages in 4 languages: Italian, Spanish, English and French

POWER SUPPLIES

Item	Description
4930/05	Power supply 230V a.c./9V d.c. SELV 0.6A – for a system that includes a master and a reader – execution for DIN 35 rail – 3 modules
4930/1	Power supply 230V a.c./9V d.c. SELV 1.3A – for a system that has maximum 5 devices among masters and readers – execution for DIN 35 rail – 6 modules
4930/3	Power supply 230V a.c./9V d.c. SELV 1.3A – for a system that has maximum 12 devices among masters and readers – execution for DIN 35 rail – 10 modules

ACCESSORIES

Item	Description
504LIV	Table device-holders – 4 LIVING INTERNATIONAL modules – with supporting frame
392123	Infrared remote control for message programming – optional
150432	Device-holder for 4 LIVING INTERNATIONAL modules
150433	Device-holder for 4 LIGHT modules
150434	Device-holder for 4 LIGHT TECH modules

NOTE: Ask Bticino sales officers for the availability of device-holders 150432 - 150433 – 150434

Devices for video door entry systems

LIVING INTERNATIONAL	LIGHT	LIGHT TECH
334513	334512	334514
336993	336992	336994
391613	391612	391614

DEVICES

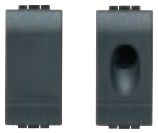
Devices for door entry/video door entry systems

Item	Description
334513 **334512** **334514**	Intercom for audio and video systems, analog and digital – with door lock and staircase light facility – 4 modules
336993 **336992** **336994**	Electronic bell for call signal repetition from a audio or video entrance panel – with front adjustment of call volume – 2 modules
391613 **391612** **391614**	Flush-mounting camera with swinging lens – automatic adjustment of focus and brightness – with built-in microphone – 2 modules

NOTE: for further information see "Door entry systems" catalogue.

Blank plates and accessories

LIVING INTERNATIONAL



L4950 L4953

L4951 L4750

LIGHT

N4950 N4953

N4951 N4750

LIGHT TECH

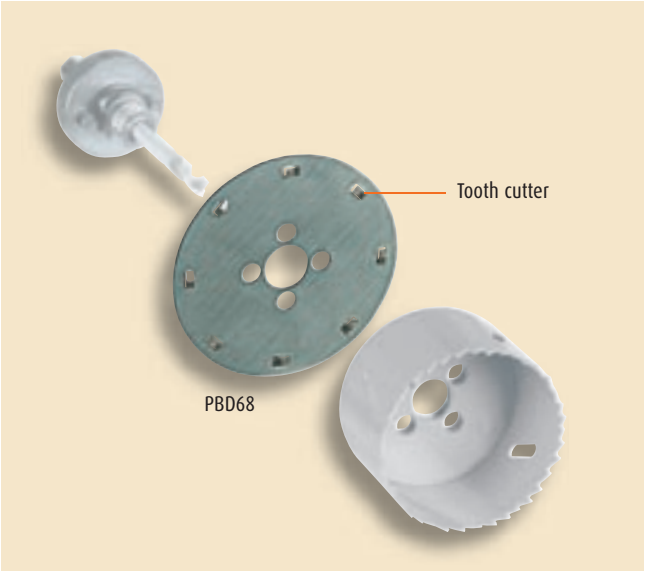
NT4950 NT4953

NT4951

DEVICES COMMON TO THE THREE SERIES

L4782 L4783 L4784 L4787

503CG 503EV 503EC 503DE 503ED



BLANK PLATES

Item	Description
L4950 **N4950** **NT4950**	Blank plate
L4953 **N4953** **NT4953**	Blank plate with output Ø 9 mm
L4951 **N4951** **NT4951**	Blank plate with knockout

SCREW COVERING SEALS

Item	Description
L4750 **N4750**	Screw covering seals for device-hol der supports Item L/N4719, L/N4703, L4704 and N4704N

PROTECTION SHEATHS

Item	Description
L4782	Protection sheath for 2 module support - Living International Item L4702G – can be used during finishing plastering works
L4783	Protection sheath for 3 module support - can be used during finishing plastering works
L4784	Protection sheath for 4 module sup-port - can be used during finishing plastering works
L4787	Protection sheath for 7 module sup-port - can be used during finishing plastering works

ACCESSORIES FOR BOX ITEM 503E

Item	Description
503CG	Protecting cover for flush-mounting box Item 503E - can be used during finishing plastering works
503EV	Internal divider - material: resin - for boxes Item 503E new design
503EC	Finishing cover for flush-mounting box Item 503E - for closing when used as junction box - can be painted
503DE	Internal divider - material: resin - for boxes Item 504E
503ED	Horizontal and vertical coupler for box Item 503E

ACCESSORY FOR HOLLOW MILLING CUTTER

Item	Description
PBD68	Disk-type cutter for the installation of boxes in plasterboard

NOTE: PBD068 is an accessory used with the hollow milling cutter, diameter 68 mm, for the installation of Bticino boxes for plasterboard PB5... (see previous page). This disk creates a reduction which allows the box to be flush-mounted with the wall.

Lamps and plugs

11250L
11250L/127
11250LV
11250LV/127

11251L
11252L

L4741/230
L4741/127
L4741/230V
L4741/127V

L4745/12
L4745/24
L4745/127
L4745/230

LAMPS

Item	Description
11250L	locating discharge lamp 230V – plug with studs - transparent
11250L/127	locating discharge lamp 127V – plug with studs - transparent
11250LV	locating discharge lamp 230V - plug with studs - green
11250LV/127	locating discharge lamp 127V - plug with studs - green
11251L	signalling incandescent lamp 12V
11252L	signalling incandescent lamp 24V
L4741/230*	prewired locating discharge lamp 230V 1.5mA – transparent (for items L/N/NT4001 and L4003/0, L/N/NT4003 and L4003/0, L/N/NT4005 and L4005/0)
L4741/127	prewired locating discharge lamp 127V 1.5mA - transparent (for items L/N/NT4001 and L4003/0, L/N/NT4003 and L4003/0, L/N/NT4005 and L4005/0)
L4741/230V	prewired locating discharge lamp 230V 1.5mA – green (for items L/N/NT4001 and L4003/0, L/N/NT4003 and L4003/0, L/N/NT4005 and L4005/0)
L4741/127V	prewired locating discharge lamp 127V 1.5mA – green (for items L/N/NT4001 and L4003/0, L/N/NT4003 and L4003/0, L/N/NT4005 and L4005/0)
L4745/12	incandescent lamp E10 - 12V 5W – for flaps
L4745/24	incandescent lamp E10 - 24V 5W – for flaps
L4745/127	incandescent lamp E10 - 127V 5W – for flaps
L4745/230	incandescent lamp E10 - 230V 5W – for flaps

* not suitable for backlighting pushbuttons that control relays or electronic devices

USING LAMPS FOR BACKLIGHTING

For devices - items	L4741/230 – /127** L4741/230V – /127	11251L – 11252L	11250L – 11250LV 11250L/127 – 11250LV/127	L4745/230 – /127 – /24 – /12
L/N/NT4001, L/N/NT4003, L/N/NT4005, L4001/0, L4003/0, L4005/0	■	■	■	
L/N/NT4002, L/N/NT4004		■	■	
L/N/NT4034, L/N/NT4044, L/N/NT4038R, L/N/NT4038V*		■	■	
L/N/NT4040		■	■	
L/N/NT4371A, L/N/NT4371T, L/N/NT4371R, L/N/NT4371V*		■	■	
L/N/NT4372AV*, L/N/NT4371RT, L/N4373H*		■	■	
L4385/12..., L4385/24..., L4385/230...				■

* for pilot lamps with a green diffuser with power supply voltage 230V, use lamp 11250LV
** not suitable for backlighting pushbuttons that control relays or electronic devices

2200NN

2200NA

2120N

2124N

BTICINO SYSTEM IRREVERSIBLE PLUGS

10A irreversible wander plugs for BTicino L/N/NT4115 safety sockets with totally isolated holes

	loose products
Item	Description
2200NA	Plug 2P+T 10A ivory
2200NN	Plug 2P+T 10A black

SPECIAL PLUGS

	loose products
Item	Description
2120N	2P special plug for tiny plugs L/N/NT4291 – pins Ø 3mm – center distance 13mm – for auxiliary circuits SELV up to 25V 6A
2124N	Plug-in key for jack connectors L/N/NT4391 – pin Ø 5mm

Installation in protected housing
IP40 - IP55 IDROBOX

24401

24402

24403

24404

24404/2

24406

HORIZONTAL SURFACE-MOUNTING HOUSINGS

Horizontal surface-mounting housings complete with base and cover - IP40.
For devices LIVING, LIGHT and LIGHT TECH

Item	No. holes Ø 23 mm		No. of modules that can be installed	Partitions Item No. 25701V
	With cable entry gland	Breakable through		
24401	1	2	1	
24402	1	2	2	
24403	1	4	3	
24404		9	4	
24404/2		9	2+2	1
24406		11	3+3	1

24501

24502

24503

24504

HORIZONTAL SURFACE-MOUNTING HOUSINGS

Horizontal surface-mounting housings complete with base and cover - IP55.
For devices LIVING, LIGHT and LIGHT TECH

Item	No. holes Ø 23 mm		No. of modules that can be installed
	With cable entry gland	Breakable through	
24501	1	2	1
24502	1	2	2
24503	1	4	3
24504		9	4

Installation in protected housing
IP40 - IP55 IDROBOX

25700

25700F/16
25700F/20

25701
25701V

25702

25550/180

25550/270

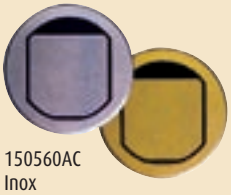
ACCESSORIES FOR HOUSINGS IP40 - IP55

Item	Description
25700	Flexible cable entry gland Ø 5 to 14-16-20 mm – IP55
25700F/16	Quick-coupling pipe gland IP55 for pipes Ø 16 mm
25700F/20	Quick-coupling pipe gland IP55 for pipes Ø 20 mm
25701	Horizontal partition
25701V	Vertical partition
25702	Internal terminal for earth connection

IP54 IR SWITCH

Item	Description
25550/180	Angle of detection 180° - Relay contact 8A 250Va.c.
25550/270	Angle of detection 270° - Relay contact 8A 250Va.c.

Wiring accessories
Floor boxes



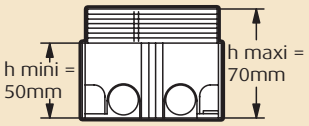
150560AC
Inox

150560OT
Brass

150560F
Cutter for raised floor

150560S
Underfloor flush-mounting box

150560SB
Box for cement floors



WIRING ACCESSORIES - FLOOR BOXES

These new floor boxes were planned for being equipped with 1 or 2 module devices of the wiring accessories series Living International, Light and Light Tech. Thanks to the cover with automatic shutting and hinge made of caoutchouc, they allow a very good protection degree (IP24-7). There are two finishes that can be stepped on: inox steel and brass, both of them particularly polished and which can carry a max. split up weight of 500kg. By means of two specific boxes, the installation can be made in cement floors (with a min. depth of 50mm) or in raised technical floors (with a min. depth of 60mm).
Dimensions:
- ext. diameter 100 mm
- protrusion from the floor max. 4.5 mm

Item	Description
150560AC	2 module column, inox
150560OT	2 module column, brass
150560SB	Box for cement
150560S	Underfloor flush-mounting box
150560F	Cutter diam. 86mm

TECHNICAL INFORMATION

SECTION INDEX

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Luminous controls

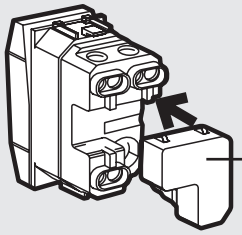
PREWIRED LAMP AND LUMINOUS CONTROLS

LIVING	LIGHT	LIGHT TECH
L4741/230 e /127	L4741/230 e /127	L4741/230 e /127
L4741/230V e /127	L4741/230V e /127	L4741/230V e /127

PREWIRED LAMP

This new Item allows to quickly and easily light up switches or pushbuttons with locating lamps.
In fact, for the mechanical coupling and the electrical connection, it is enough to fit the lamp into the special socket in the back of the control device.
For other functions different from the locating one, or for 12V or 24V input, the control devices can be lighted with the lamps Item No. 11250L, 11250LV, 11251L, 11252L.

LAMP INSTALLATION



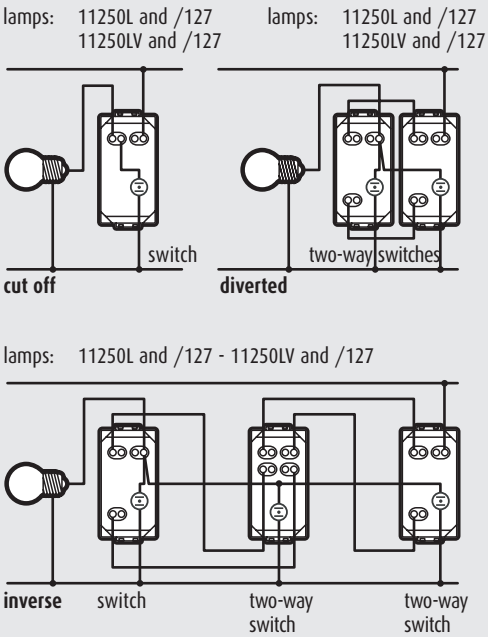
L4741/230 - L4741/127
L4741/230V - L4741/127V
230V a.c. - 1.5mA
127V a.c. - 1.5 mA

LUMINOUS CONTROLS

The following diagrams allow for the implementation of light points that can be identified with locating lamps or pilot lamps; they adapt to basic control devices (switches, two-way switches, intermediate switches) of all BTicino domestic lines (LIVING, LIGHT and LIGHT TECH).

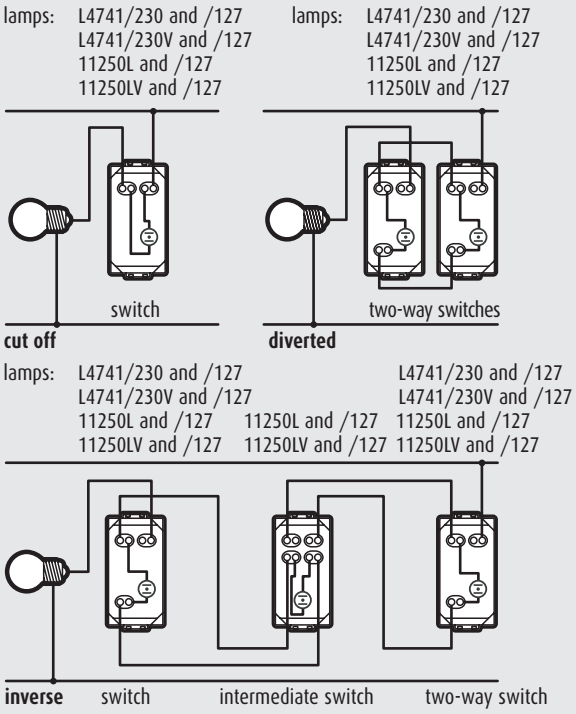
PILOT LAMP

For indicating the operation status of users' equipment not visible from the control point.

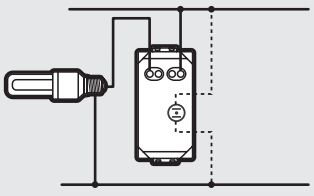


LOCALIZATION LAMP

For identifying control pushbuttons in the dark.



This diagram may be useful in case of controls acting on relays, electronic devices or energy saving lamps (for example, compact fluorescent lamps).



Dimmer

KNOB DIMMER

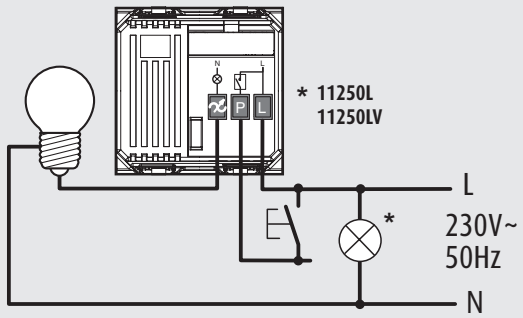
Device	LIVING	LIGHT	LIGHT TECH
A	L4401	N4401	NT4401

This dimmer can control ferromagnetic transformers and incandescent lamps (power between 60W and 500W) from one or more points.
Pressing the centre pushbutton will activate the load thus setting it to the level of the last adjustment that was made. Pressing it again will deactivate it. The fine-adjustment of the levels occurs using the knob.
When switching on, the devices enable the load in order to gradually reach the set level of brightness to avoid dazzling phenomena (soft-start); switching off also occurs gradually (soft-stop).
The dimmer is designed using new technology which ensures compliance with the standards on the emission of electromagnetic disturbances without the use of filter coils, hence ensuring equipment noiselessness.
An inbuilt fuse type T2,5H250V selfprotects dimmers against short circuits.
Using dimmers powered by uninterrupted power supplies or by a generator set may cause malfunction.

Installation notes
For proper operation of all dimmers, follow the instructions below during installation:
- do not use two or more dimmers together in the same box
- do not install in boxes where there are thermostats

Technical features
- power supply: 230V a.c. ± 10%
- type of load: resistive or ferromagnetic transformer
- power: (see dimmer page on catalogue section)

Wiring diagram



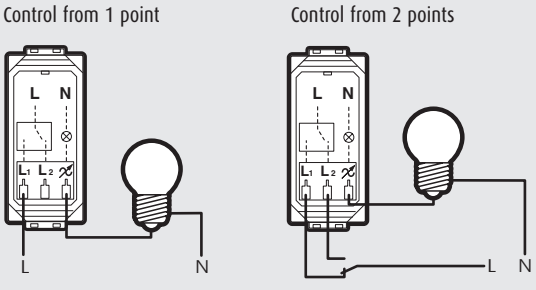
Example of use remote pushbutton with locating lamps

Device	LIVING	LIGHT	LIGHT TECH
A	L4402	N4402	NT4402
B	L4406	N4406	NT4406
C	L4581	N4581	NT4581
D	L4583	N4583	NT4583

Knob dimmers allow for resistive load adjustment. They can be supplied with or without a built-in two-way switch.
Devices "B" and "C" must be protected with a fuse type T2,5H 250V, thereby making it possible to adjust the load from one point and switching on and off from different points through two-way switches or external switches. Instead, device "A" makes it possible to adjust the load and to switch it on and off through the built-in two-way switch; it can therefore be replaced with a normal switch or two-way switch without modifying the system. It has been designed with a new technology which does not require the use of the filter coil, thereby making it absolutely noiseless but, at the same time, in compliance with the standards on the emission of electromagnetic disturbances.

Technical features
- power supply: "A" and "B"=230V a.c. "A"=50Hz and 60Hz "B"=50Hz "C" and "D"= 110-127-230V a.c. 50 and 60Hz
- type of load: resistive (incandescent lamps only)
- power: (see dimmer page on catalogue section)

Wiring diagram – device "A"



Dimmer

PUSHBUTTON DIMMER AND PUSH-PUSH

	LIVING	LIGHT	LIGHT TECH
A	L4413	N4413	NT4413
B	L4582	N4582	NT4582

These dimmers can control resistive loads and ferromagnetic transformers (power between 60VA and 500VA) from one or more points. They are designed with a new technology which ensures compliance with the standards on the emission of electromagnetic disturbances without the use of filter coils.This feature allows the devices to be totally noiseless. The quick pressure of the knob, or one of the pushbuttons connected externally, activates the load and sets it according to the level of the last adjustment that was made; a second quick pressure deactivates it. When switching on, the devices enable the load in order to gradually reach the set level of brightness to avoid dazzling phenomena (soft-start); switching off also occurs gradually (soft-stop).

An inbuilt fuse type T2,5H250V selfprotects dimmers against short circuits. Using dimmers powered by uninterrupted power supplies or by a generator set may cause malfunction.

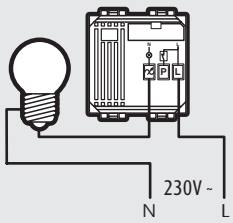
Installation notes
For proper operation of all dimmers, follow the instructions below during installation:
- do not use two or more dimmers together in the same box
- do not install in boxes where there are thermostats

Technical features

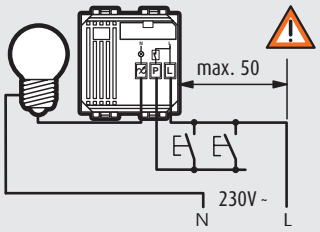
- power supply: "A"=230Va.c. 50Hz, "B"=110-127-230V a.c. 50 and 60 Hz
- type of load: resistive or ferromagnetic transformer
- power: (see dimmer page on catalogue section)

Wiring diagrams

Control and adjustment from 1 point



Control and adjustment from 2 or more points



DIMMER FOR ELECTRONIC TRANSFORMERS

	LIVING	LIGHT	LIGHT TECH
A	L4407	N4407	NT4407
B	L4407/127	N4407/127	

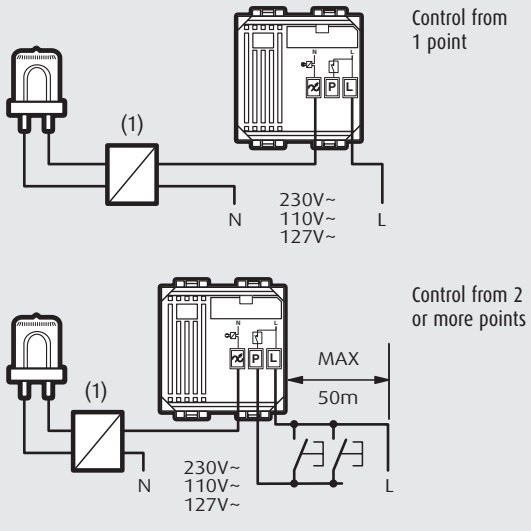
This dimmer can control electronic transformers for powering up low voltage quartz-iodine lamps (with power between 60VA e 250VA, 50 to 250VA for L/N4407/127). It is designed with a new technology which ensures compliance with the standards on the emission of electromagnetic disturbances without the use of filter coils. This feature allows the device to be totally noiseless. The quick pressure of the local pushbutton, or one of the pushbuttons that can be connected externally, activates the load and sets it according to the level of the last adjustment that was made; a second quick pressure deactivates it. An extended pressure of the pushbutton makes it possible to adjust the min-max / max-min load. When switching on, the device enables the load to gradually reach the set level of brightness in order to avoid dazzling phenomena (soft-start); switching off also occurs gradually (soft-stop).
An inbuilt fuse type T2,6H250V selfprotects dimmers against short circuits. Using a dimmer powered by uninterrupted power supplies or by a generator set may cause malfunction.

Installation notes
For proper operation of all dimmers, follow the instructions below during installation:
- do not use two or more dimmers together in the same box
- do not install in boxes where there are thermostats item L/N/NT4441 and item L/N/NT4442.

Technical features

- power supply: "A" 230Va.c. 50Hz - "B" 110-127V a.c. 50Hz
- type of load: for electronic transformers
- power: "A" 60 to 250 VA - "B" 50 to 250VA

Wiring diagram



(1) electronic transformers

SLAVE DIMMER

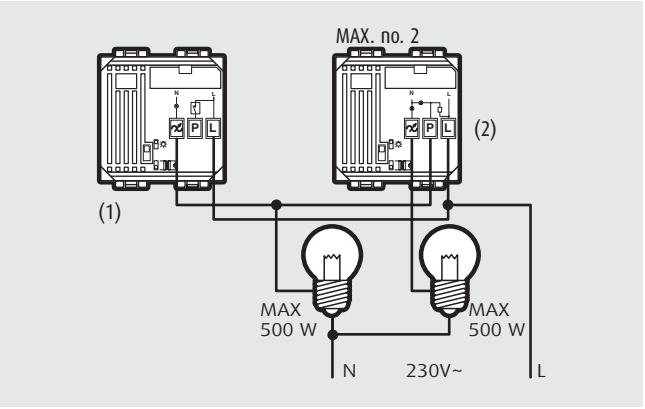
LIVING	LIGHT	LIGHT TECH
L4416	N4416	NT4416

This device can regulate loads only if it is controlled by another dimmer, to which must be properly combined. In this way it is possible to obtain an increase in the power controlled by the main dimmer, that has the "master" function. One or maximum two "slave" can be connected to the following dimmers: L/N/NT4413. It is not possible to act directly on the slave dimmer.

Technical features

- power supply: 230Va.c. 50Hz
- type of load: resistive or ferromagnetic transformer
- power: 60 to 500 VA

Wiring diagram



(1) L/N/NT4403 - 4413 (2) L/N/NT4416

ELECTRONIC TRANSFORMERS

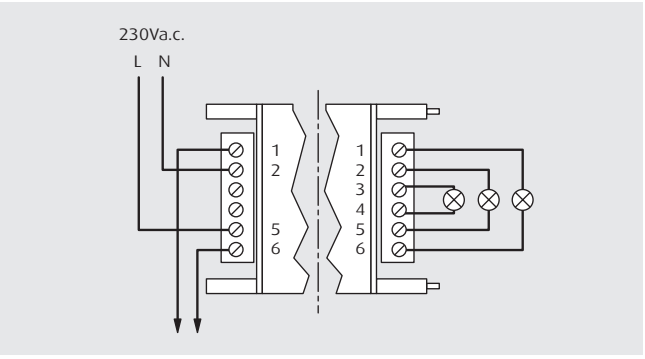
Device	LIVING	LIGHT	LIGHT TECH
A	L4405/60	L4405/60	L4405/60
B	L4405/105	L4405/105	L4405/105

Electronic transformers can power up low voltage quartz-iodine lamps with power between 20W and 60W (L4405/60) or between 35W and 105W (L4405/105) and can be adjusted from the dimmer (L/N/NT4407).
They have a terminal set up for connecting up to three 20W lamps (.../60) or three 35W lamps (.../105) and can also be installed inside furniture.

Technical features

- power supply: 230Va.c. 50Hz
- output voltage: 12V
- type of load: resistive
- power of device "A": 10 to 60W
- power of device "B": 35 to 105W
- operating temperature: 0 to 50 °C
- max conductor size: 2.5 mm²

Wiring diagram



CODED KEYS

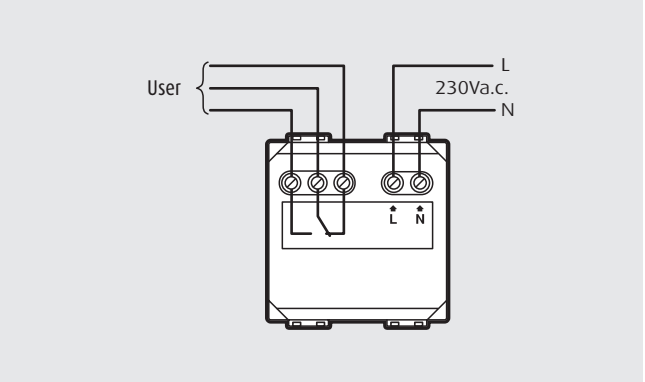
LIVING
L4531
L4532

These keypad controls Item L4531 – L4532 allow the control of electric devices through a 4-digit secret code; they find application in public places, offices, hospitals, schools where activation of electric devices control is to be performed only by its staff. The same devices can also be used to control electric locks, so to make a first-level control of the accesses.

Technical data

- power supply: 230V 50/60Hz
- controllable loads:
  250Va.c. - 6A - cosφ=1; 35V d.c. 8A
- the device can control higher electrical power by means of an external relay.
- operating temperature: 0-40 °C
- max conductor size: 2.5 mm²
- memory time of codes in case of power supply failure: 10 years

Wiring diagram



Electronic control devices

IR REMOTE CONTROL SYSTEM

LIVING	LIGHT	LIGHT TECH
L4425 and L4425/127	N4425 and N4425/127	NT4425
L4426 and L4426/127	N4426 and N4426/127	NT4426
4482/7	4482/7	4482/7
4482/16	4482/16	4482/16

The infrared remote control system lets you switch on and off or adjust electric loads or activate drapery, blinds, etc... from remote control points. All this is electrically carried out in a safe manner since there are no electrical connections between the control point (remote control) and the user (load). This feature makes it possible to install this system in places where high safety is required, places where there are disabled persons and wherever it is impossible to physically connect a control point and a controlled device.

The system includes:
- a 7-channel or 16-channel remote control
- 1-channel receivers
- 2-channel receivers
- dimmer receiver

Features of remote controls
Remote controls can be of two types: with 7 or 8 pushbuttons. The first version controls up to 7 receivers in the same room and it is suitable for domestic environments.The second version has 16 channels: the first 8 are directly controlled with the 8 pushbuttons (flicking the selector will changeover to the next 8 channels. The latter model is normally used in service industry applications. To make their use easier, it is possible to apply labels with specific symbols next to the pushbuttons. These symbols should be used to remember the functions of each channel. 1.5V batteries - type AA - are housed in the bottom part.

Features of receivers
Receivers are available in the following versions: version with dimmer or with 1 or 2 channels, relays and built-in local control pushbuttons for controlling single or double loads. By using the microswitches located under the removable front cover, it is possible to select the receiving channel and the cyclic or monostable relay operation mode (switch or pushbutton function).

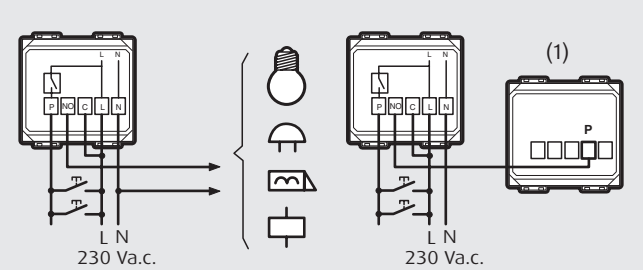
Technical features L/N/NT 4425 and L/N 4425/127 1 CHANNEL RECEIVER

- power supply: 230Va.c. 50/60Hz (127V a.c. 50/60 Hz item L/N 4425/127)
- controllable loads:
  6A resistive loads or incandescent lamps
  2A cosφ 0.5 fluorescent lamps and inductive loads
- relay: cyclic and monostable
- receiver: 1 channel

Technical features L/N/NT 4426 L/N 4426/127 2 CHANNEL RECEIVER

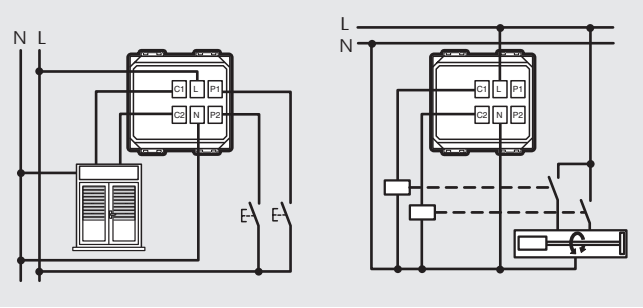
- power supply: 230Va.c. 50/60Hz (127V a.c. 50/60 Hz art. L/N 4426/127)
- controllable loads:
  4A resistive loads or incandescent lamps
  750W gear motors
- relays: no. 2 - interlocked
- receiver: 2 channels

Wiring diagram L/N/NT 4425



(1) L/N/NT4413 - 4432 - 4461

Wiring diagram L/N/NT 4426

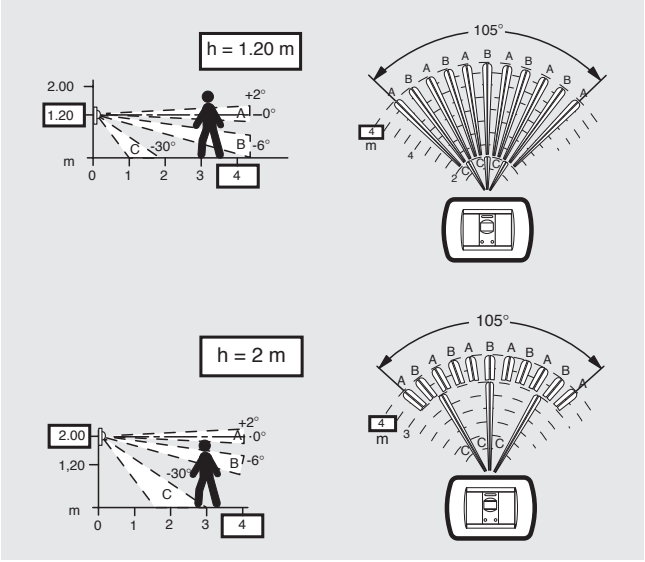


PASSIVE IR SWITCH

Device	LIVING	LIGHT	LIGHT TECH
A	L4431	N4431	NT4431
B	L4432	N4432	NT4432
C	L4432/127	N4432/127	—

The passive IR switch opens up new prospects in the field of automatic mechanisms, allowing to automatically switch on devices as passers-by approach (for example, light turns on without touching any switch or pushbutton). It is possible to adjust the device sensitivity threshold according to the room natural lighting and to adjust the end-of-operation delay after last movement has been detected, to optimise performance.
The detection range can be widened by installing several devices at different places, with outputs connected in parallel.
Volumetric coverage is achieved with 3 levels of rays A, B and C with plus-2, minus-6 and minus-30 degrees orientation relative to the installation axis, and reaches 4 meters.

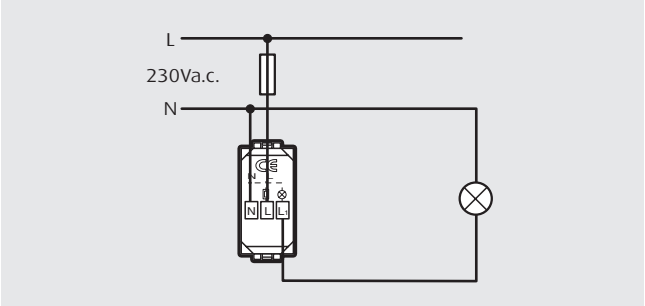
Covering fields



Technical features – device "A"

- power supply: 230Va.c. 50Hz
- controllable loads:
  2A resistive load, incandescent lamps and ferromagnetic transformer
  2A cosφ 0.5 inductive load
- adjustment of time for switching on: from 30 seconds to 10 minutes
- twilight adjustment: from 5 lux to dark.

Wiring diagram



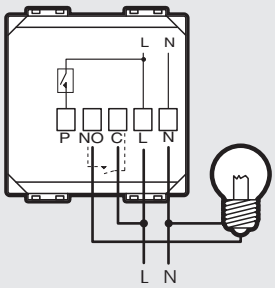
Technical features – device "B"

Power supply: 230V a.c. 50/60Hz
- controllable loads:
  2A inductive load and fluorescent lamp
  6A resistive load, incandescent lamps and ferromagnetic transformer
- adjustment of time for switching on: from 30 seconds to 10 minutes
- twilight adjustment: from 5 lux to dark
- controllable with external pushbuttons
- selector O-A-I (manual operation with external pushbuttons, automatic and external pushbuttons always ON).

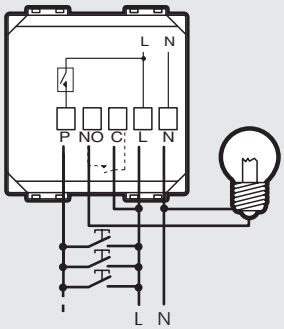
Technical features – device "C"

Power supply: 110-127V a.c. 50 and 60Hz
- controllable loads:
  2A inductive load and fluorescent lamp
  6A resistive load, incandescent lamps and ferromagnetic transformer
- adjustment of time for switching on: from 30 seconds to 10 minutes
- twilight adjustment: from 5 lux to dark
- controllable with external pushbuttons
- selector O-A-I (manual operation with external pushbuttons, automatic and external pushbuttons always ON).

Basic wiring diagram



Wiring diagram with pushbuttons (IR + timer)



Socket outlets

SAFETY SOCKETS

LIVING	LIGHT	LIGHT TECH
All standard sockets		

The (totally separated) tulip safety sockets can be accessed only with a special plug that closes the contact when it is completely in.
The contact is guaranteed by the pressure of special spiral springs.
Plugs with a different capacity cannot be interchanged, thus it is possible to substantially separate several circuits.

More significant testing conditions

- testing voltage: gradual 2000V 50Hz per minute
- insulation resistance tested at 500V: > 5M Ω.
- breaking test: 100 plug connection/disconnection operations at 275V a.c. cosφ 0.6 - 12.5A (for 10A plugs), 20A (for 16A plugs).
- extended operational test: 10.000 10000 plug connection/disconnection operations at 250V a.c. cosφ 0.6 with rated current.

Rated features and classification (according to Standards CEI 23-16/VII-1971 and 23-5/I-1972) of plug-in sockets for domestic uses and the like.

Type of DEVICE	No. of poles	Coupling mode	Reference abbreviation	Rated current	Type of current	Rated voltage	Type of device	Terminal position	Maximum conductor size
separated tulip plug-in sockets	2P+E	irreversible	P13	10A	~ 50Hz	250V~	modular	back	4mm²
separated tulip plug-in sockets	2P+E	irreversible	P19	16A	~ 50Hz	250V~	modular	back	4mm²
shielded tulip plug-in sockets	2P+E	reversible	P11	10A	~ 50Hz	250V~	modular	back	2x4mm²
shielded tulip plug-in sockets	2P+E	reversible	P17	16A	~ 50Hz	250V~	modular	back	2x4mm²
shielded tulip 2-center sockets	2P+E	reversible	P11/17	10 and 16A	~ 50Hz	250V~	modular	back	2x4mm²
plug-in sockets with earth side contacts	2P+E	reversible	—	10/16A	~ 50Hz	250V~ and d.c.	non-modular	back	2x4mm²

SHAVER SOCKET

	LIVING	LIGHT	LIGHT TECH
A	L4177	N4177	NT4177
B	L4177/127	N4177/127	NT4177/127

The transformer is connected to power line only when the plug is inserted by means of a pushbutton (1) to avoid useless loss, heating and humming, and is protected by a thermal effect device which automatically disconnects the primary when load exceeds 20VA.
Reconnection is automatic after the protective device has cooled down.
The shaver socket is typically installed in hotels, pensions and similar, for customer's safety and to avoid illegal use of the bathroom's socket.

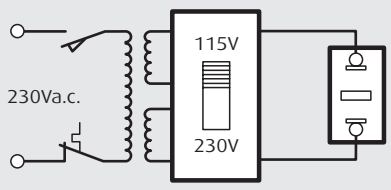
Technical features "A"

20VA transformer:
- primary 230V a.c. ± 10% 50Hz
- two 115V or 230V a.c. secondaries that can be selected with a commutator
- max conductor size: 2.5 mm²

Technical features "B"

20VA transformer:
- primary 127V a.c. 50 and 60 Hz
- two 127V or 230V a.c. secondaries that can be selected with a commutator
- max conductor size: 2.5 mm²

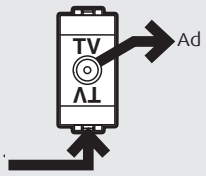
Wiring diagram



TV + SAT jacks

DIRECT SOCKETS (EXTENSIONS)

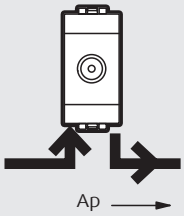
	Ad	Zo		–	B1	FM	VHF	UHF	SAT IF	
				22 / 0.6	40-68	87.5-108	120-470	470-862	950-2150	2150-2400
	dB	Ω	V/mA	KHz / V	MHz	MHz	MHz	MHz	MHz	MHz
L/N/NT4202D	≤1.5	75	≤500							
L/N/NT4202DC	≤1.5									



	Zo	Ad	OUT		–	B1	FM	VHF	UHF	SAT IF	
					22	47-68	87.5-108	120-470	470-862	950-2050	2150-2400
	Ω			mA	KHz	MHz	MHz	MHz	MHz	MHz	MHz
L/N/NT4210D	75	dB	TV			≤1		1.7 - 0.5	0.5 - 3.5		
			RD				1.5 - 2.5				
			SAT	500						2 - 0.7	

PASS-THROUGH JACKS

		Zo	B1	FM	VHF	UHF	SAT IF	
			40-68	87.5-108	120-470	470-862	950-2250	2150-2400
	dB	Ω	MHz	MHz	MHz	MHz	MHz	MHz
L/N/NT4202P	Ad	75			14 ±1			
	Ap				≤2			
L/N/NT4202PT	Ad				≤11.5			



LEGEND:
Ap = Pass through attenuation
Zo = Characteristic impedance
Ad = Direct attenuation (or bridging)

TV COAXIAL JACKS FEMALE CONNECTOR

Features

Item No. L/N/NT4205D/2

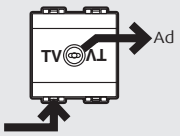
	Attenuation	
Frequency (MHz)	Ad (dB)	Zo (Ω)
40 to 2050	< 1	75

Item No. L/N/NT4201D/2

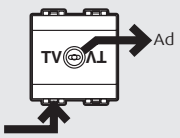
	Attenuation			
Frequency (MHz)	Ap (dB)	Ad (dB) ± 0.2	Ai (dB)	Zo (Ω)
40		0.3	75	
800		0.5	75	
2050		1.5	75	

Item No. L/N/NT4201P/2

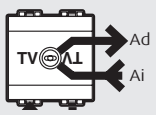
	Attenuation				
Frequency (MHz)	Ap (dB) ± 0.2		Ad (dB) ± 1	Ai (dB)	Zo (Ω)
40	0.8	13	≥ 35	75	
800	0.8	13	≥ 35	75	
1750	1	14	≥ 30	75	
2050	1.3	15	≥ 20	75	



TV + SAT shunted jacks



TV shunted jacks



TV pass-through jacks

Ap = Pass-through attenuation
Ad = Direct attenuation (or bridging)
Ai = Inverse attenuation
Zo = Characteristic impedance

Control

TIMER

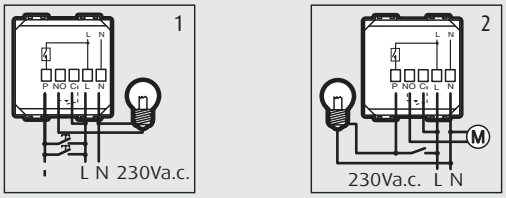
	LIVING	LIGHT	LIGHT TECH
A	L4461	N4461	NT4461
B	L4461/127	N4461/127	NT4461

This timer, which is delayed when de-energized, allows you to have traditional circuits for stairway lights, air extractor controls, etc.
It can be controlled with pushbuttons or switches.
The delay time count when turned off starts when the pushbutton/switch contact is opened.

Common technical features

- power supply: "A" 230V a.c. ± 10% 50/60Hz "B" 127V a.c. ± 10% 50 and 60Hz
- remote control with pushbuttons or directly on the device with built-in pushbutton
- contact signal closed with pilot lamp (yellow LED)
- max conductor size 2x2.5mm²
- time delay setting: continuously from 1 to 12 minutes
- overall size: 2 modules
- controllable loads:
  6A resistive load and ferromagnetic transformer
  2A incandescent, fluorescent lamp and inductive load

Wiring diagrams



1 - The lamp turns on when the pushbutton is pressed and stay on for the set time.
2 - The lamp and motor turn on when closing the switch. On opening of the switch, the lamp goes off while the motor keeps running for the set time.

ROOM THERMOSTATS

Device	LIVING	LIGHT	LIGHT TECH
A	L4441	N4441	NT4441
B	L4442	N4442	NT4442
C	L4442/127	N4442/127	—

These thermostats control the room temperature through an electronic detector that operates an output relay.
The following parts are on the front part of the devices:
- knob for setting the selected temperature
- LED for indicating the operation status
- commutator for selecting "summer/winter"

Common technical features – devices "A", "B" and C"

- power supply "A" e "B" 230V a.c. ± 10% 50/60Hz 0,6W -
  "C" 127V a.c. ± 10% 50 and 60Hz
- output contacts 2A 250V a.c.
- room temperature setting range: 5 to 30°C
- recommended installation height from floor:
  1.5m (away from heat sources and draughts)
- do not install in boxes where there are dimmers
- max conductor size = 2x2.5mm2
- overall size: 2 modules

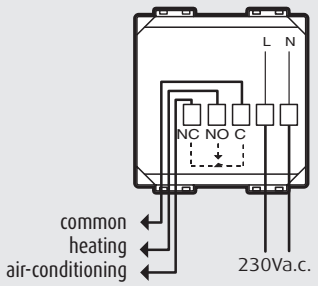
Technical features – device "A"

- for heating and air-conditioning systems (boilers, fan-coil units, air-conditioners, fan heaters)
- set up for external "summer/winter" commutator
- switched output contact

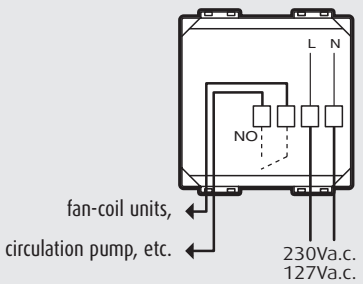
Technical features – device "B" and "C"

- for heating and air-conditioning systems (boilers, fan-coil units, air-conditioners, fan heaters)
- built-in "summer/winter" commutator
- output contact NO

Wiring diagram – device "A"



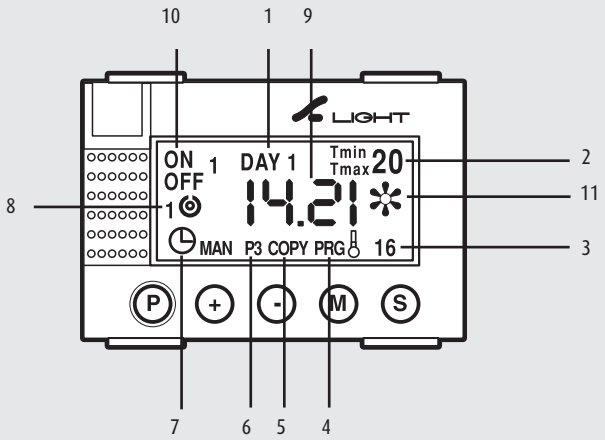
Wiring diagram – device "B" and "C"



ELECTRONIC CHRONOTHERMOSTAT 230V A.C.

	LIVING	LIGHT	LIGHT TECH
A	L4448	N4448	NT4448
B	L4448/127	N4448/127	–

The electronic chronothermostat, perfectly modular with the other devices, takes up 3 modules and can be replaced with any type of pre-existing timer or chronothermostat provided that a power line voltage is available in the installation area. The output on the switched contacts pilot-operated by a relay is totally independent and separated from the programming and adjustment electronic circuit.



Keys

+	forward movement (continuous pressure = fast forward movement)
-	backward movement (continuous pressure = fast backward movement)
M	memory
P	programming setup
S	program selection
P+M	device reset

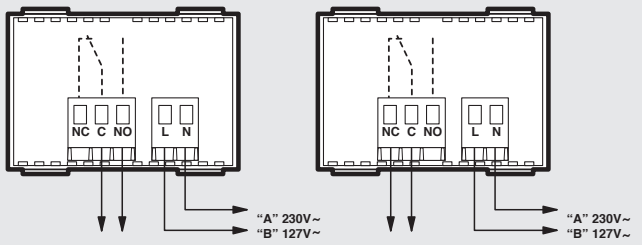
Indexes

1	day of the week
2	value of set temperature
3	value of room temperature
4	programming in progress
5	copying of the programming
6	type of program (MAN, P1, P2, P3)
7	time setting in progress (hour, minutes, day)
8	output operation status
9	hour - minute
10	programming phase (ON1, OFF, ON2, OFF2, etc..)
11	antifreeze function

Technical data

- 4 types of programs: MAN, P1, P2, P3
- manual control
- possibility to program two different temperatures
- permanent indication on the liquid cristal display of: the time, day of the week, room temperature, type of program selected and device output operation status
- back-up battery for saving data: 30 day battery life
- minimum time between a programmed operation and the next: 1 minute
- temperature values that can be set: 7 to 35°C (with a one-degree minimum interval)
- operating voltage: "A" 230V a.c. ± 10% 50Hz - "B"127/110V a.c. ± 10% 50/60Hz
- voltageless switched contact: 5A cosφ 1 - 2A cosφ 0.5
- max conductor size: 2x2.5mm² for heating and air-conditioning systems (boilers, fan-coil units, air-conditioners, fan heaters)
- set up for external "summer/winter" commutator.

Wiring diagram



boiler, circulation pump

air-conditioner, fan, etc.

Control

3V BATTERY-OPERATED ELECTRONIC CHRONOTHERMOSTAT

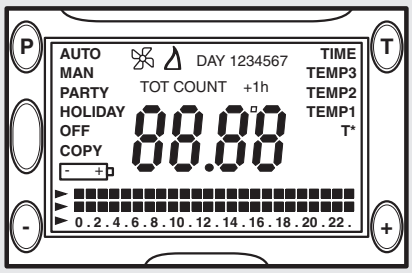
LIVING	LIGHT	LIGHT TECH
L4449	N4449	N4449

The chronothermostat, which can be used for heating and air-conditioning systems, makes it possible – through several programming possibilities – to adjust the temperature at any time of the day and in a differentiated manner, every day of the week. It is possible to choose how to use a standard program (already stored but can be changed according to the specific needs of the user) or to create a new one with a simple programming procedure. A large display shows you at all times the program settings, the status of the system and the temperature of the room. The chronothermostat has a base for making electrical connections to the system (which can be installed on the supporting frames, for series LIVING INTERNATIONAL, LIGHT and LIGHT TECH) and a removable part including its controls and a large display.

Technical data

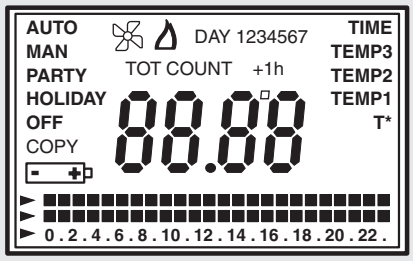
- minimum time between a programmed operation and the next: 15 minutes
- max no. of temperature changes in a day: 8 (4 ON/OFF cycles)
- temperature interval shown on the display: 5°C to 45°C
- temperature values that can be set: 7°C to 35°C (with a 0.5°C minimum interval)
- accuracy of controlled temperature: ± 0.5°C
- power supply: two 1.5V alkaline batteries type LR67AA
- battery life, no longer than two years
- charge back-up: 2 minutes for replacing the batteries
- flush-mounting or wall-mounting installation with boxes and supporting frames for series LIVING INTERNATIONAL, LIGHT, LIGHT TECH
- voltageless output contact rate: 1A
- possibility of connecting an external gauge for the temperature (NTC R 25°C = 100kΩ - max connection length, 5 metres)
- possibility of remote controlling the chronothermostat (for example, with a phone call through the PBX switchboard).
- max conductor size: 2.5 mm²

Recurrent function keys



P selecting operation modes
T temporary display of the temperature values or of the current time
+ - adjustment of temperature and time parameters:
+ forward movement – backward movement (the extended pressure on the pushbutton enables the fast forward movement)

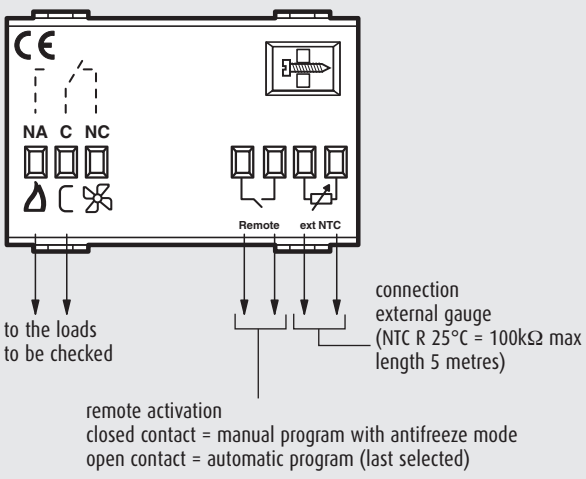
Numerical display



Numerical display
Constantly displays the room temperature.
Use the T key to cyclically display
TEMP3-TEMP2-TEMP1, TIME and ANTIFREEZE TEMPERATURE.
When programming, it displays different parameters to be set.

Various indications
TIME – procedure for setting/displaying the time and current day
+1h – daylight saving time
– battery symbol – dead batteries signal
– copying of the daily programming.

Wiring diagram



WALL MOUNTING CHRONOTERMOSTAT - 3 V BATTERIES

LIVING	LIGHT	LIGHT TECH
L4450	N4450	NT4450

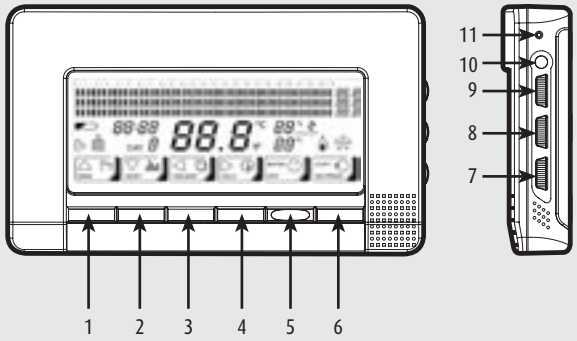
The L/N/NT4450 chronothermostat measures the room temperature and adjusts the heating or air-conditioning system it is connected to. The operation mode can be chosen between one of the preset modes or customized modes, depending on your needs. The large display shows the temperature profile — in other words the relation between the time and the temperatures to be maintained -, the temperature measured, the relative humidity, the calculated perceived temperature, the time and the day of the week. The chronothermostat is powered with batteries.Settings and data are stored in a non-volatile RAM which preserves them even when the batteries are flat. The L/N/NT4450 chronothermostat is set for being connected with a separate temperature.

Technical data

Power supply	2 alkaline AA 1.5 V batteries
Battery life	More than 1 year
Outputs	1 single-pole relay voltage 250 Vc.a. capacity 5(3) A
Inputs	Separate temperature probe NTC, R25°C=10kΩ, BETA 3435 Max. length of connection: 10 metres
Electrical connections	Screw terminals
Insulation	Double ⧈
Protection degree	IP20 (normal pollution)
Storage of settings	Non-volatile storage.
Microdisconnection	1BU
Software	Class A
Temperature setting range	2 °C – 40 °C
Antifreeze temperature setting range	2 °C – 7 °C
Maximum temperature	T45
Local signalling	LCD Display
Local controls	7 keys 3 rotating selector switches
Dimensions (L x A x P)	155 X 91 X 20
Reference temperature gradient	4 K/h
Display of relative humidity	20% - 90%

The L/N/NT4450 Chronothermostat device is fully compliant with the CEI EN 60730-1 standards and with its secondary parts.

Controls

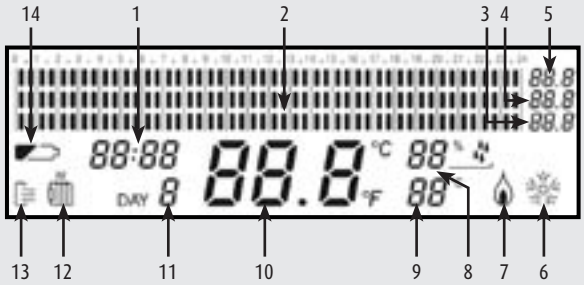


Indexes

1. Key for selecting the Manual operation mode or for increasing a value (▲) *
2. Key for selecting the Automatic operation mode or for decreasing a value (▼) *
3. Key for selecting the Holiday operation mode or for moving to the previous value (◀) *
4. Key for selecting the Jolly operation mode or for moving to the next value (▶) *
5. Key for Off / Enter functions *
6. Key for Programming, Copy or Statistical Data Display functions *
7. Rotating selector switch for correcting temperatures: T1, Manual temperature, Jolly temperature and Antifreeze temperature *
8. Rotating selector switch for correcting temperature T2 or the duration of the Jolly operation mode *
9. Rotating selector switch for correcting temperature T3 or the duration of the Wild operation mode
10. Summer / Winter switching key
11. Chronothermostat reset key

* The function associated with the key or selector switch depends on its current use and is indicated by the icon above it

Signalling

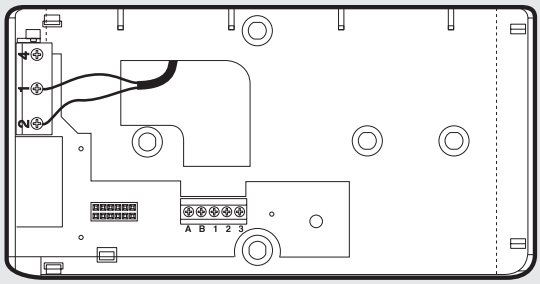


Indexes

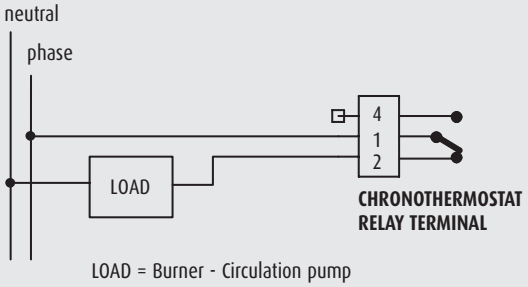
1. Time
2. Temperature profile
3. Temperature value T1 or duration, in days, of the Jolly operation mode
4. Temperature value T2 or duration, in hours, of the Jolly operation mode
5. Temperature value T3
6. System ON in summer operation mode
7. System ON in winter operation mode
8. Percentage of relative humidity
9. Perceived temperature, displayed to the degree
10. Outside / room temperature
11. Current day (1 = Monday... 7 = Sunday; 8 = Holiday)
12. Winter operation mode
13. Summer operation mode
14. Battery charge level

Control

WIRING DIAGRAM

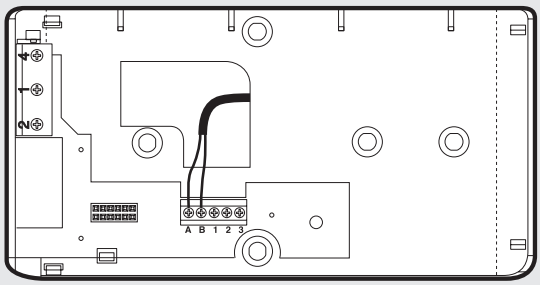


Connecting the heating and cooling system
Connect the two wires of the heating and cooling system to screw terminals 1 and 2, as shown in the picture. It is possible to use flexible conductors (max section 2.5 mm2) with the terminals. Terminal 4 is free and can be used for signalling or other purposes.



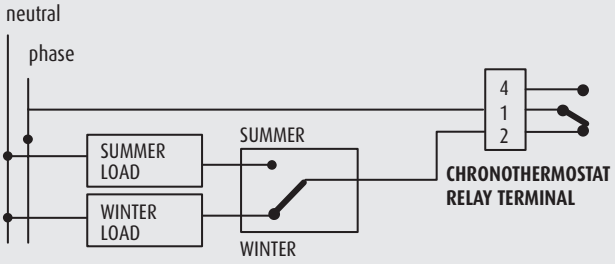
LOAD = Burner - Circulation pump

Please note: Make sure that the relay load does not exceed the values shown in the «Technical features».



Connecting the separate temperature probe
Connect the two wires of the separate temperature probe to screw terminals A and B, as shown in the picture.

If you want to control both the heating and cooling system, set up a two-way switch for selecting Summer/Winter, as shown in the picture:



When the season changes, set the two-way switch to the required position and switch over to the Summer/Winter by pressing the proper key on the chronothermostat.

PROGRAMMER

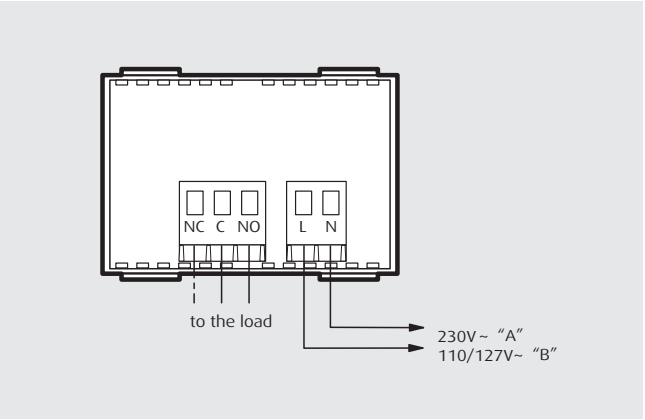
	LIVING	LIGHT	LIGHT TECH
A	L4466	N4466	NT4466
B	L4466/127	N4466/127	—

This daily/weekly cycle programmer enables the automatic connection or disconnection, with a maximum absorption of 8A, according to a fixed time set by a user.

Technical data

- daily/weekly cycle with 4 daily connections and disconnections
- operating voltage: "A" 230V a.c. ± 10% 50/60 Hz
  "B" 110/127V a.c. ± 10% 50/60 Hz
- voltageless switched contact
- controllable loads:
  2A inductive load
  4A fluorescent lamps
  6A incandescent lamp and ferromagnetic transformers
  8A resistive load
- minimum time between one operation and the next: 1 minute
- charge back-up: 30 days
- permanent indication on the liquid cristal display of: the time, day of the week and connected/disconnected load
- display, if required, of the program setting
- manual control
- max conductor size: 2.5 mm²

Wiring diagram "A" and "B"



ALARM CLOCK

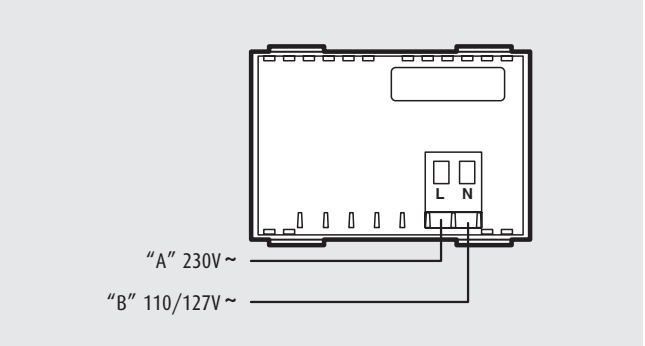
	LIVING	LIGHT	LIGHT TECH
"A"	L4470	N4470	NT4470
"B"	L4470/127	N4470/127	—

The illuminated liquid cristal display alarm clock is powered through the power line voltage and has an internal back-up battery that guarantees a life of one month in case of power supply failure. The display shows the time, minutes, day of the week and the symbol of the functioning clock. The sound signal, emitted through an electronic bell, can be disabled by pressing any pushbutton. In any case, it goes off after a minute.

Technical data

- electronic alarm clock with built-in bell
- power supply: "A" 230V a.c. ±10% 50/60Hz - "B" 110/127V a.c. ±10% 50/60Hz
- illuminated display
- charge back-up: 30 days
- indication on the liquid cristal display of: the time, minutes, day of the week and alarm clock activation
- max conductor size: 2.5 mm²

Wiring diagram "A" and "B"



Audible and luminous signalling devices

HEARING REQUEST

LIVING	LIGHT	LIGHT TECH
L4550	N4550	NT4550

The hearing request system allows the user, provided with the Master module, to control the entrance requests in the room in which the user is situated and, at the same time, to send reply messages to the display modules from which the request has been forwarded. The system can also be equipped with additional display modules to inform other people of what is happening.
The LIVING INTERNATIONAL, LIGHT AND LIGHT TECH hearing request system and paging module includes two main elements:
- the module (item L4550 - N4550 - NT4550)
- the power supply unit (item 4930/05 - item 4930/1 - 4930/3 supplied separately)

The system can be completed with a:
- selection pushbutton (item L-N-NT4005)
- remote control (item 392123 for setting up messages).

Depending on how it will be configured, the following functions can be assigned to the module:
- master
- answering system / paging module
- off-door

Technical data

power supply: 9Vd.c.
max absorbed current: 140 mA (each device)
operating temperature: 5 ° to 40 °C
degree of protection: IP30
preset messages (which can always be changed): 9
preset languages that can be selected: IT - E - GB - F
overall size: 3 modules

Terminal connection

C+ = positive for display modules
+ = positive for the master module
- = negative (common to all configurations)
S = terminal for configuration
Answering system / paging module
F = terminal for Off-door configuration

Wiring diagrams for the configuration of modules

The installation is carried out with two wires only.
When wiring, a simple "CONFIGURATION" can assign one of the following functions to the module:
- master station (Fig. 1)
- off-door external station (Fig. 2)
- answering system / paging module external station (Fig.3)

Fig.1: master station

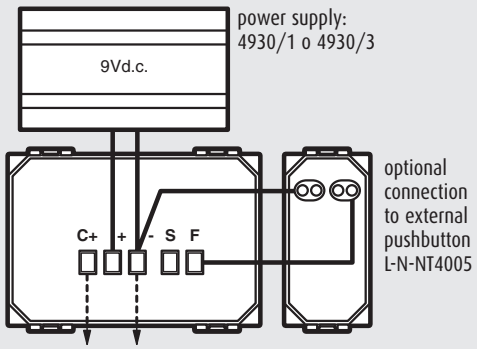


Fig.2: off-door external station

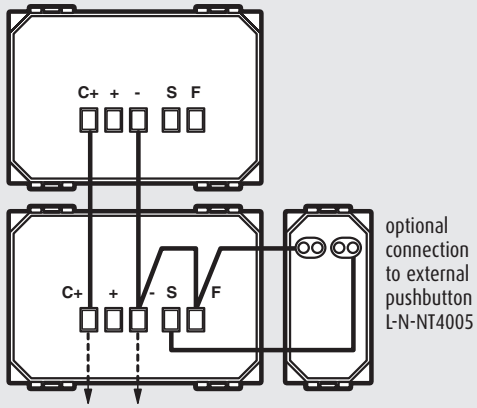
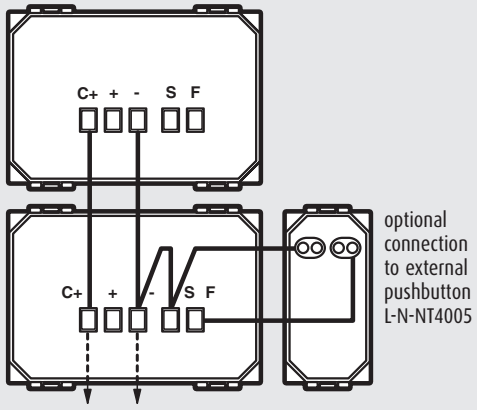


Fig.3: answering system / paging module external station



ELECTRONIC BELL

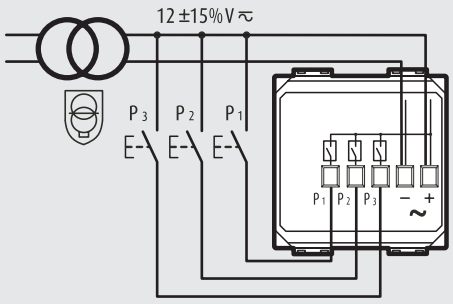
LIVING	LIGHT	LIGHT TECH
L4355/12	N4355/12	NT4355/12

The electronic bell has 3 sounds, all of which are continuous and intermittent and pilot-operated from three different paging locations.
It is also possible to adjust the volume of the required sound with the controller located at the front.
The 12V power supply can be used with direct current or alternate current.

Technical data

- power supply: 12V d.c./a.c. ±15% 50/60Hz
- absorption:
  150mA with pressed pushbutton
  15mA at rest

Wiring diagram



PULL-OUT EMERGENCY TORCH

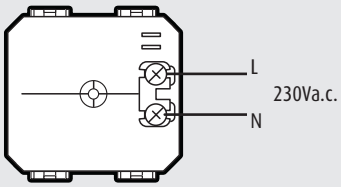
LIVING	LIGHT	LIGHT TECH
L4380	N4380	NT4380

The device includes a charger base and a lamp with replaceable back-up batteries. It turns on automatically when the electrical power goes out. The "lamp" unit can be removed so that it can be used as a normal rechargeable torch.
It also includes two LEDs which indicate the type of function being used and a slide switch for enabling or disabling the device thereof (this is important for preventing it from being switched on in case of an intentional disconnection of the power service).
The battery recharge is also temporarily inactive when the device is disabled (red LED ON). It is possible to exclude the removal of the lamp unit by putting in a special lock screw located at the bottom of the device.

Technical data

- pull-out emergency torch with automatic switch-on device
- charger base with safety connector equipped with a screen
- lighting source: white-lighted LED
- rechargeable battery: type Ni-MH without "memory" effect, interchangeable
- life: 2 hours
- stand-by consumption: 0,4W
- power supply: 230/127V a.c. ± 10% 50/60 Hz - 110V a.c. ± 10% 60 Hz
- max conductor size: 2.5mm^2
- overall size: 2 modules

Wiring diagram



Emergency devices

EMERGENCY LAMPS

LIVING	LIGHT	LIGHT TECH
L4384/...	L4384/...	L4384/...
L4386/...	L4386/...	L4386/...
L4784/...	L4784/...	L4784/...
L4786/...	L4786/...	L4786/...

Emergency and lighting

The new high-efficiency luminous and long-lasting emergency lamps are available in two versions: version with the one-function emergency lamp or the lamp with permanent emergency and lighting. The first ones start operating automatically in case of a power supply failure, then they turn off again when the power is back; the second ones use the emergency function together with the permanent switch-on to light up rooms that need artificial lighting 24 hours a day, for example corridors or internal stairways without windows.

Control functions

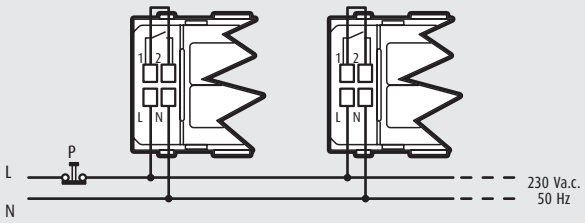
Every lamp is supplied with a LED, which indicates that there is a flow of electricity, and a pushbutton that lets you turn it off when used for emergencies in order to prevent the batteries from uselessly running down, for example when you intentionally turn off the main switch to carry out electrical maintenance on the system. When there are several lamps, it is possible to exclude them with a remote switch.

Spare batteries

The lamps are supplied with batteries placed in the back, easily accessible for their replacement. In fact, the batteries can be supplied separately as spare parts.

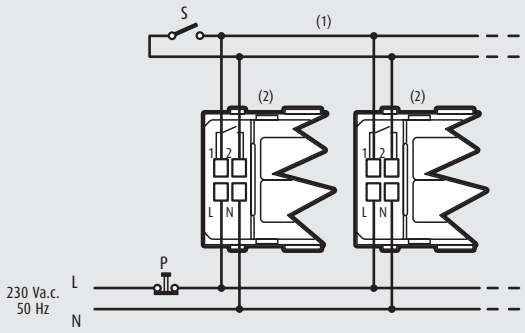
Wiring diagram

P = TEST pushbutton (if provided)



Wiring diagram for disabling the operation of the emergency lamp

S = remote disabling switch
(1): l = 20m max - 1.5mm²
(2): max 5 x L4384/... - L4386/...



Technical features

Emergency	Emergency and lighting	Battery Item	no. of modules	Life (h)	Lamp power (W)	Consumption (mA)	Cos φ ~	(lm) 230Vac	(lm) 230Vac
L4384/1		**L4784/1**	4	1	1	13	0.2	8	
L4384/3		**L4784/3**	4	3	1	30	0.3	8	
L4386/1		**L4786/1**	6	1	1.3	10	0.35	22	
L4386/3		**L4786/3**	6	3	1.3	12	0.35	22	
	L4386/1L	**L4786/1**	6	1	1.3	25	0.5	22	27
	L4386/3L	**L4786/3**	6	3	1.3	25	0.5	22	27
								127Vac	
L4386/1/127		**L4786/1**	6	1	1.3	17	0.4	22	27
L4386/3/127		**L4786/3**	6	3	1.3	22	0.4	22	27

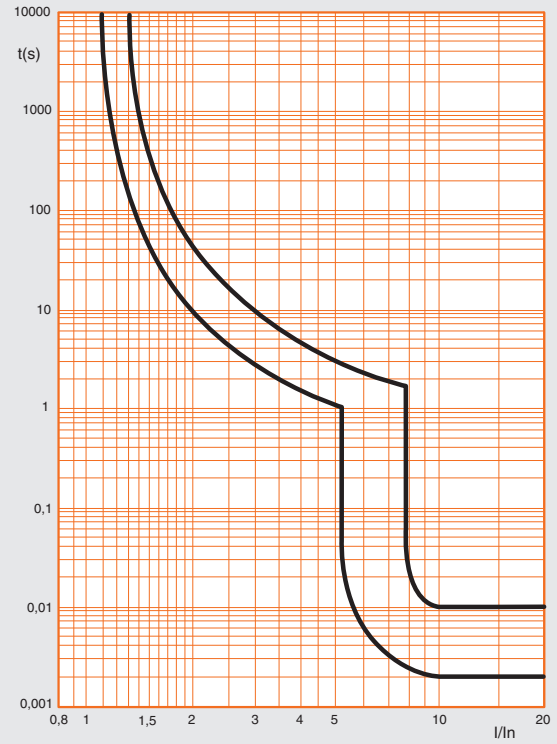
Electrical safety devices

EARTH LEAKAGE THERMAL MAGNETIC CIRCUIT BREAKERS

Device	LIVING	LIGHT	LIGHT TECH
A	L4301/6	N4301/6	NT4301/6
	L4301/10	N4301/10	NT4301/10
	L4301/16	N4301/16	NT4301/16
B	L4305/6	N4305/6	NT4305/6
	L4305/10	N4305/10	NT4305/10
	L4305/16	N4305/16	NT4305/16

Automatic thermal magnetic circuit breaker (1 module) device "A"
Two-pole version with one protected pole. Extends the possibility to use these automatic devices with single-phase circuits, for which there should be a two-pole break.

Tripping features



Tripping feature of circuit breakers recorded with cold start to room temperature Ta = 20°C
I = actual current
In = rated current of the switch
A red/green flag shows the position of the contacts (closed or open).

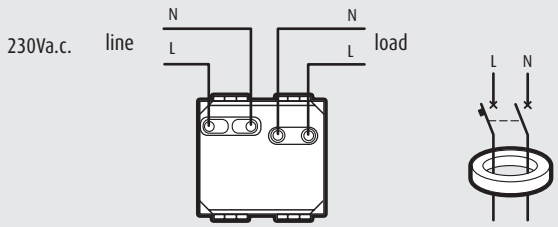
"Salvavita" automatic earth leakage thermal magnetic circuit breaker (2 mod.) device "B"
The device has an electronic earth-leakage release which is self-powered through a built-in rectifier. It gives additional protection against direct contact with parts connected to the power supply. This electronic solution enables the device to detect earth-fault leakage current with continuous components (earth leakage - type A) and reduce accidental trips due to line disturbances. A red/green flag shows the position of the contacts (closed or open). In a system sized according to the IEC Standards, a correct installation requires a "Salvavita" upstream of an automatic earth leakage thermal magnetic circuit breaker with IΔn = 30mA.

Technical features

- rated current: 6-10-16A
- rated voltage: 230V a.c. 50Hz
- rear terminals
- max conductor size: 4mm²
- overcurrent protection on phase
- breaking capacity: In 6A: 1500A 230V a.c.
  In 10-16A: 3000A 230V a.c.
- tripping features - type C
- differential breaking capacity - device "B": 500A
- differential rated current - device "B": 10 mA
- maximum specific pass-through energy I2t (A2s):

	In		
breaking capacity	6A	10A	16A
1500A	7500	11000	13000
3000A		28000	30000

Wiring diagram - device "B"



The principle of the above diagram goes for devices "A", too.

FUSECARRIERS

LIVING	LIGHT	LIGHT TECH
L4231	N4231	NT4231

Features of fuses installed

Item fusecarrier	Type of fuse	Size of fuse	Voltage rating	Rated current	Coupling	Max. conductor size to terminals
L/N/NT4321	miniature glass body	5x20 mm 6.3x32 mm	250V a.c.	max 10A	bayonet	4 mm²

Electrical safety devices

INTERLOCKED SOCKETS

LIVING	LIGHT	LIGHT TECH
L4311/10	N4311/10	NT4311/10
L4311/16	N4311/16	NT4311/16

Interlocked sockets – 2 modules
2P+E two-pole thermal magnetic circuit breaker with one protected pole and interlocked socket.
These assemblies include the following:
a) protection of one pole (phase) and opening of the neutral
b) "open" switch socket with socket contacts totally separated from the electric power supply mains (double-pole break) socket/switch interlock.

A special mechanism prevents closing the switch (supplying the socket) if the plug has not been previously plugged in. It can also prevent pulling out the "charged" plug (with user's device electrically-powered). As a matter of fact, in this case, the extraction attempt (with switch closed) will immediately open the switch thereof (plug still connected to the socket contacts).

Technical features

- rated current: 10-16A
- rated voltage: 230V a.c.
- max conductor size: 2.5mm^2
- breaking capacity: 3000A 230V a.c.
- degree of protection: shielded socket contacts 2.1

GAS DETECTORS

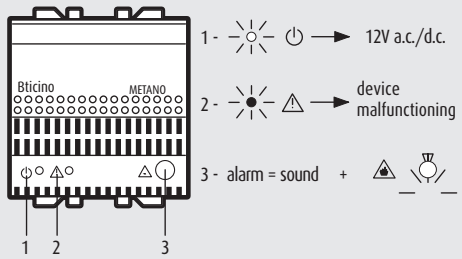
LIVING	LIGHT	LIGHT TECH
L4611/12	N4611/12	NT4611/12
L4612/12	N4612/12	NT4612/12
L4520	N4520	NT4520

The range of gas detectors includes:
- methane gas detectors
- GPL gas detectors

Methane and GPL gas detectors comply with standard UNI CEI 70028 and with the European standard project EN 50194.
All detectors use the latest-generation semiconductor sensors; this feature makes every device extremely selective on the gas for which it was rated, thus the possibilities of accidental alarms are reduced. They are controlled by a microprocessor and are provided with an internal self-test for signalling possible anomalies of electronic components of the sensor and of external connections. A series of LEDs and a audible signalling device indicate proper power supply, a possible anomaly or an alarm situation. As required by the Standards, all devices are sensitive to just one type of gas and clearly show the name of the manufacturer, the type of gas for which they were made, the recommended replacement date, the guaranteed period of operation, etc..
All devices are made in a two-module enclosure.
Only the configuration that requires an installation combined with the repeater and detector is covered by the IMQ - UNI – CIG mark of conformity, according to the Standard UNI CEI 70028.

Alarm indications and proper operation

The alarm, failure and proper power supply indication is signalled by the LEDs and by the audible signalling devices which bear the standard symbols required by the regulation.

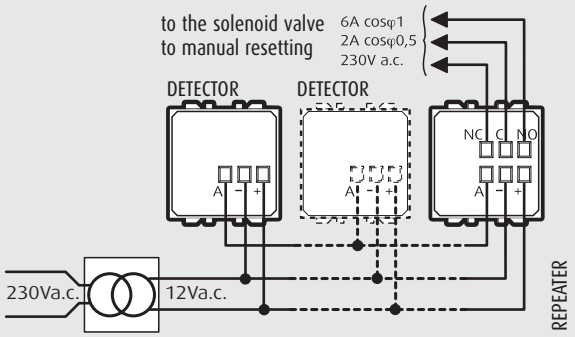


Technical features

- power supply: 12V a.c./d.c. ± 10%
- absorbed power: max 2W
- operating temperature: 5 to 40°C
- loudness level of the alarm signal: 85dB a 1m
- operative sensitivity: 10% of the gas explosion level, lower limit

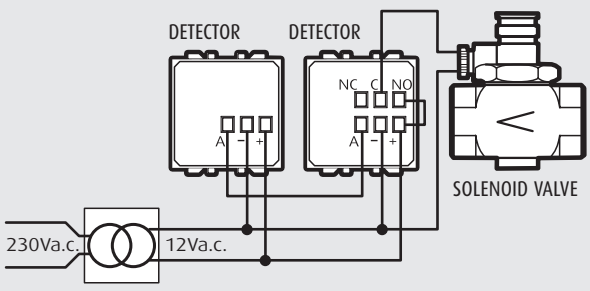
Wiring diagrams

Connection to a gas detector and a signal repeater.



For systems with 3 devices, use transformer item F91/12E

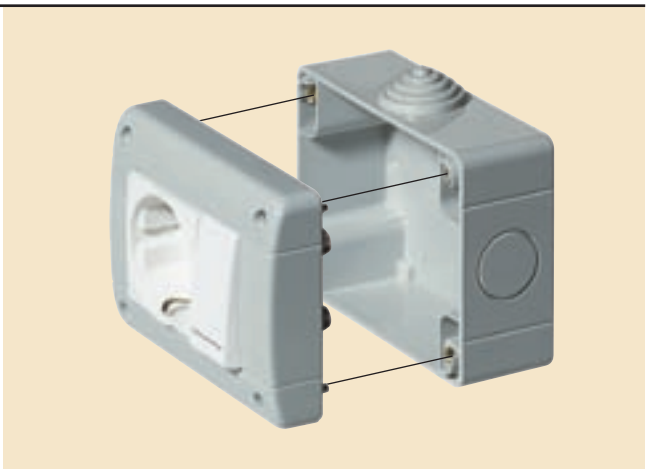
Connection to a gas detector, a signal repeater and solenoid valve.



IP40 and IP55 enclosures

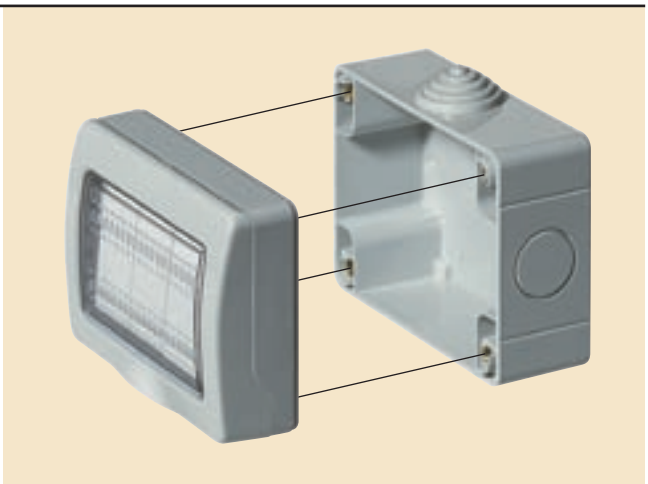
IP40 ENCLOSURES

These boxes consist of a base and of a cover in which (if required) pre-connected snaplock devices can be fitted from the back side. This set of products is suitable for uses in tough and environmentally difficult places such as roofs, storehouses, basements, etc. Thanks to their excellent features (resistance to high temperatures and fire), these boxes are suitable for electric systems installed in high-risk places (e.g. in case of fire), as required by the Standards IEC 64-8 section 7. Therefore, they can be used in buildings built with inflammable material (e.g. wood) or in places containing highly inflammable material (thermal power stations, lumberyards).



IP55 ENCLOSURES

These boxes have a snap-lock front door with an elastic sheath. The IP55 degree of protection is guaranteed by a watertight seal and by a special snaplock fastening system. These products are generally used in particular places such as: wet and moist places, places exposed to adverse weather or water jets (for example in a car-wash).
They can be used for installing electric systems in places with class 3 explosion hazards (AD-FT systems in compliance with Standard IEC 64-2) since its base and front door are made of self-extinguishing resin with high resistance to fire and high temperatures.



Choosing enclosures according to their use

Environments		Minimum required IP degree
Household	Basements Attics Indoor garages	IP40
Household	Bathrooms or shower rooms Boiler room Outdoor garages	IP44
Household	Swimming pools	IP55
Service industry	Store houses Shopping centers Stores Classrooms Libraries Museums Offices Healthcare facility	IP40
Service industry	Anaesthesia and surgery rooms	IP44
Service industry	Laundries Places with explosion hazards (class 2E)	IP55

Technical features of enclosures IP40 and IP55

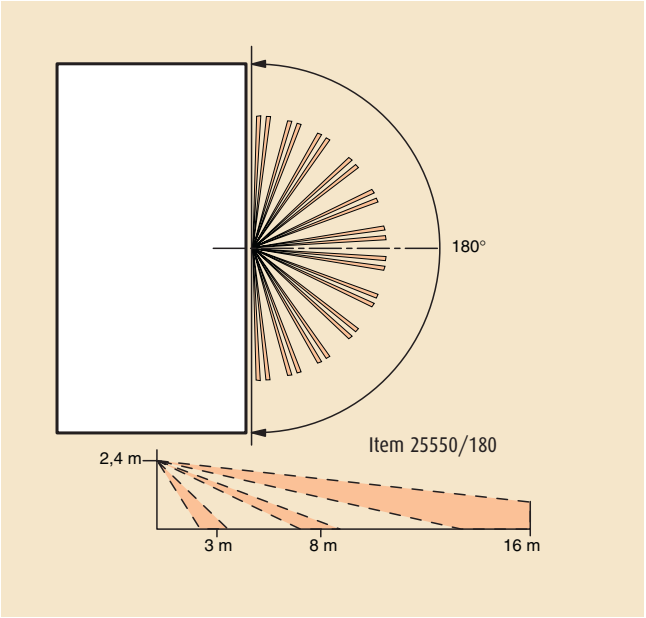
- Material of boxes IP40: ABS (base and cover)
- Material of boxes IP55:
  ABS (base), polycarbonate (cover chassis) and PVC (pliable sheath)
- Temperature range:
  -5 to +40°C
- Resistance to abnormal heat and fire up to 652°C
- IMQ approval according to Standard CEI 23-48 (IEC670)

NOTE: The IP55 degree of protection of the protected covers for boxes item 502 and item 503E is obtained when the cover is closed and when the item is installed on smooth, grooveless and waterproof walls (smooth tiles, marble).

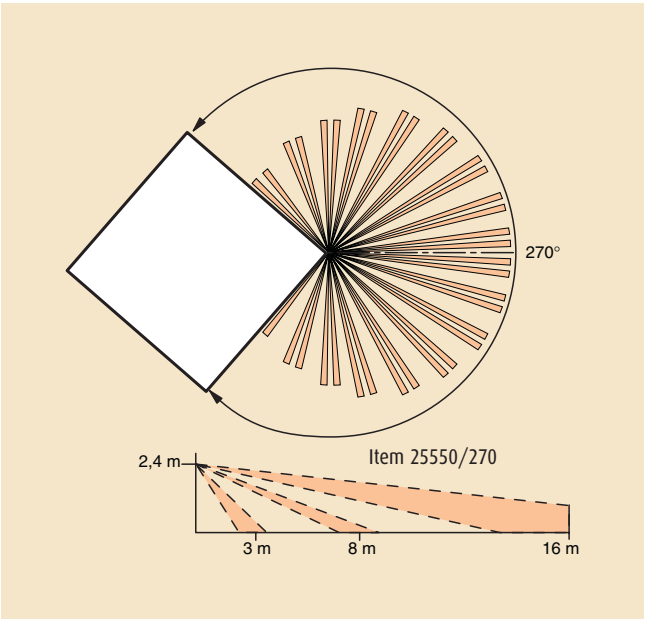
Electronic devices in protected version

SWITCHES ITEM, 25550/180 AND ITEM 25550/270

Coverage range diagram item 25550/180



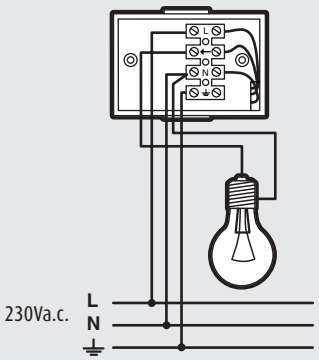
Coverage range diagram item 25550/180



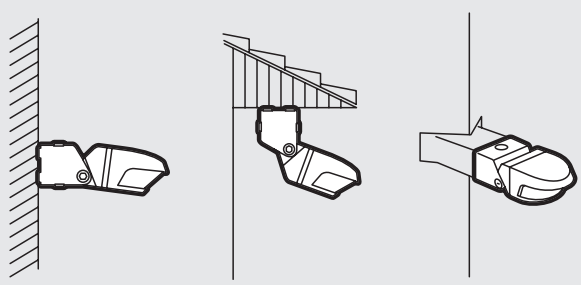
Technical features

- Degree of protection: IP54
- Supply voltage: 230V a.c. 50Hz
- Controllable power:
  1000VA (fluorescent lamps)
  2000VA (transformers and quartz-iodine lamps)
  2000W (resistive loads)
- Closing time of contact:
  Adjustable from 12 seconds to 16 minutes
- Twilight threshold:
  adjustable from 10 to 4000 lux
- Detection:
  high density detection with Fresnel lens optical system
- Sensor: positioned in pivoting ball head
- Horizontal spectrum:
  180°/16m (art. 25550/180)
  270°/16m (art. 25550/270)
- Minimum installation height: 1.7m

Wiring diagram for automatic control of a lamp



Installation possibilities



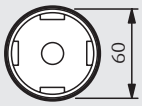
Item 25550/180
Item 25550/270

Item 25550/180
Item 25550/270

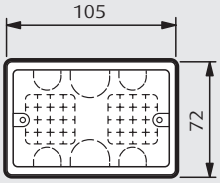
Item 25550/270

Dimensional data

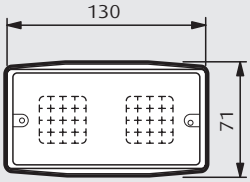
FLUSH-MOUNTING BOXES



500



503E



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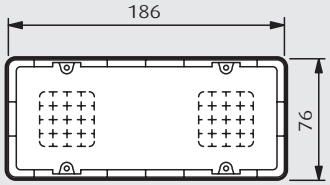

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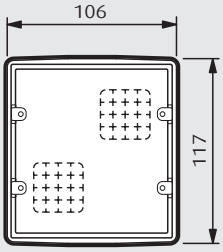
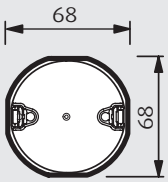
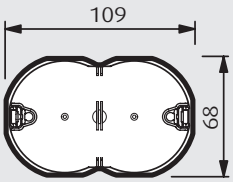


506E

PLASTERBOARD BOXES



PB502



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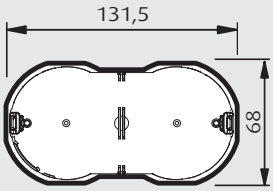

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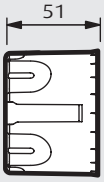

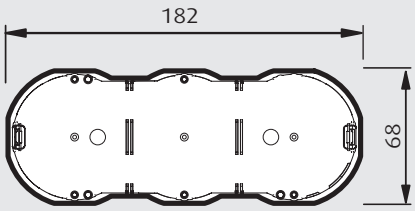

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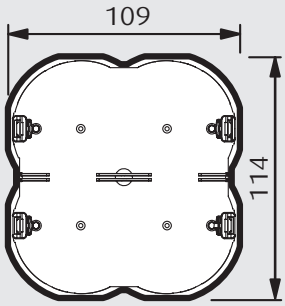
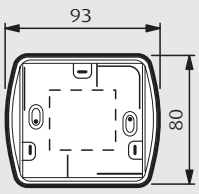


PB526

Dimensional data

LIVING INTERNATIONAL WALL-MOUNTING BOXES



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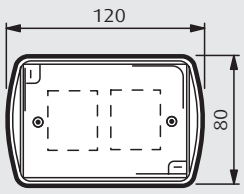

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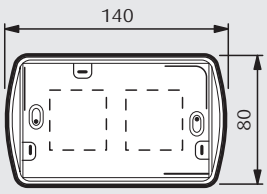

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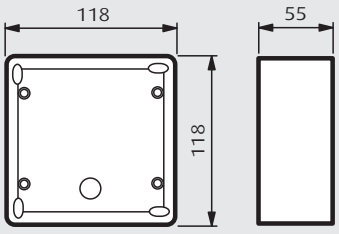

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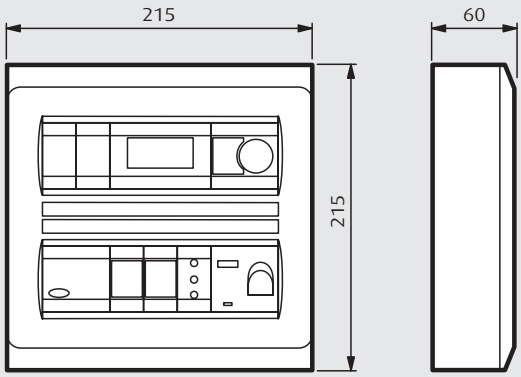
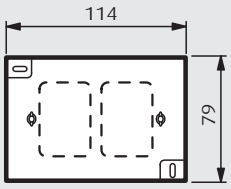


L4714 - N4714 (Box for LIGHT)

LIGHT AND LIGHT TECH WALL-MOUNTING BOXES



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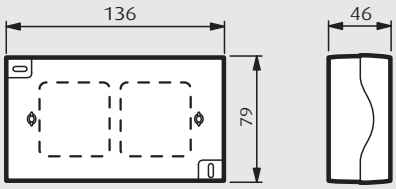

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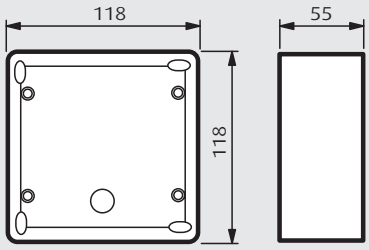

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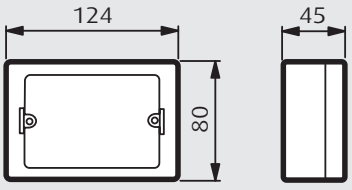
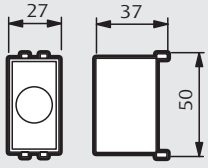
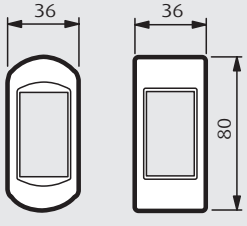


503BP

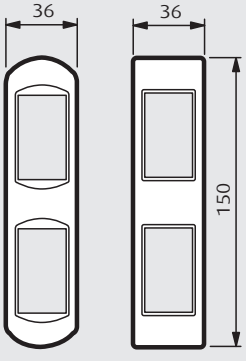
BOXES FOR RAILS



510L

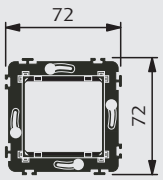


L4811PA N4811PB

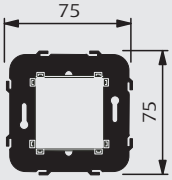


L4812PA N4812PB

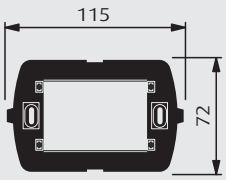
LIVING INTERNATIONAL SUPPORTING FRAMES



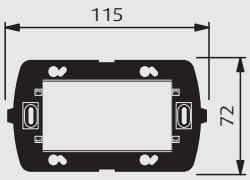
L4702



L4702G



L4703



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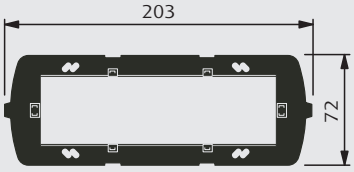
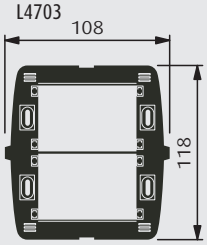
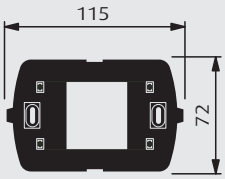


L4707



L4716



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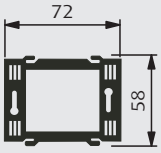

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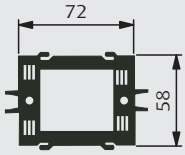
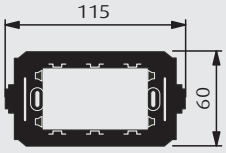
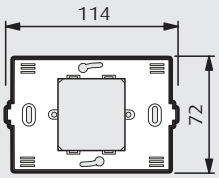


L4732G

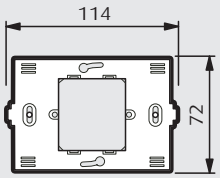


4703

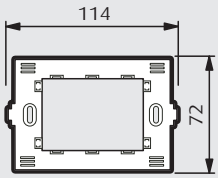
LIGHT AND LIGHT TECH SUPPORTING FRAMES



N4719G
N4722



N4719



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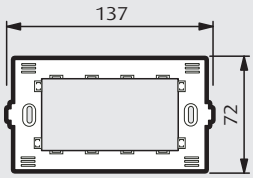

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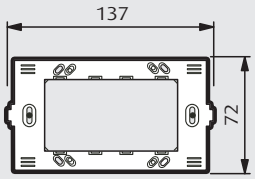

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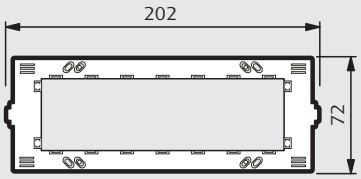

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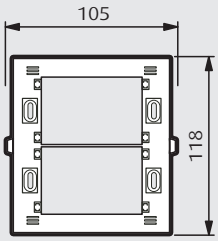
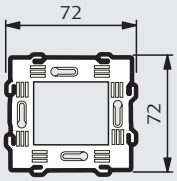


N4716



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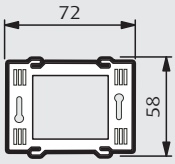

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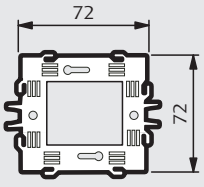

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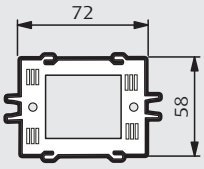
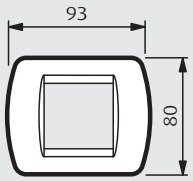


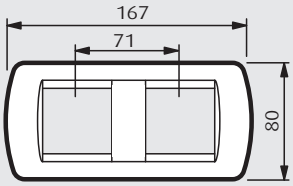
N4732G

Dimensional data

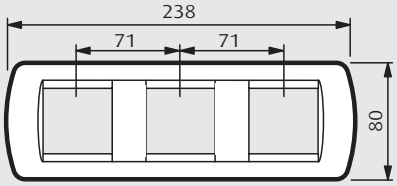
LIVING INTERNATIONAL COVER PLATES



L4802..



L4802/2..



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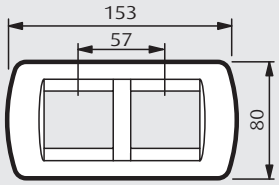

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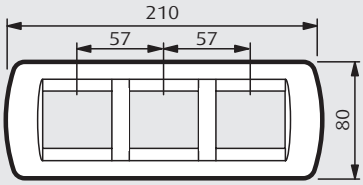

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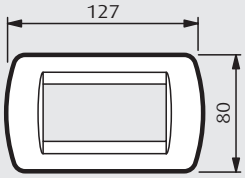
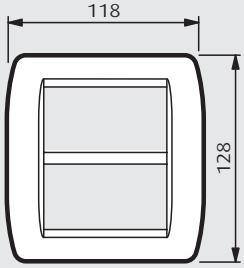
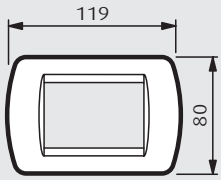


L4863..



L4816..



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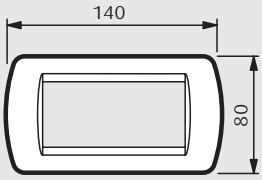

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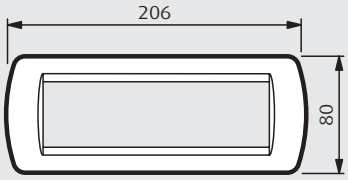
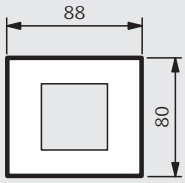


L4807..

LIGHT AND LIGHT TECH COVER PLATES



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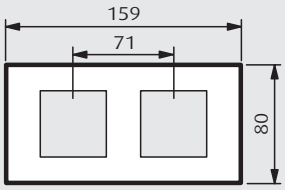

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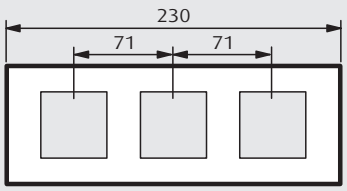

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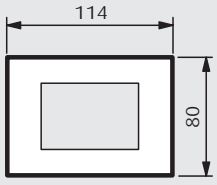

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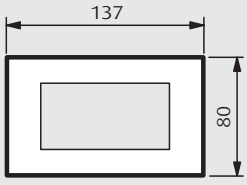

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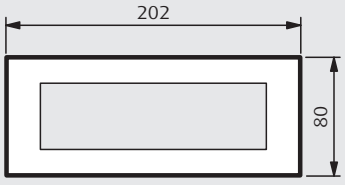

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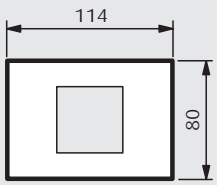

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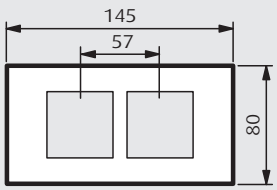

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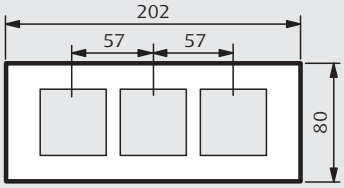

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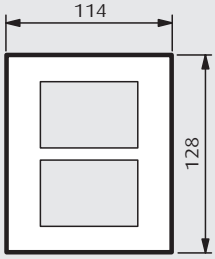

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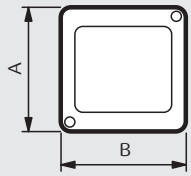
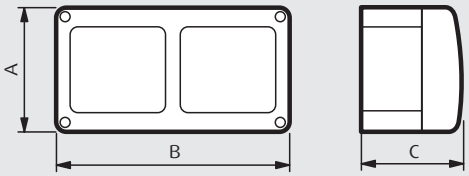
IDROBOX IP40 ENCLOSURES

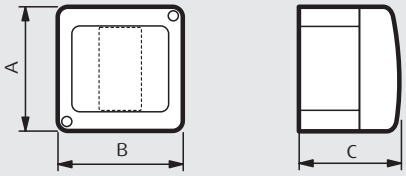


	A	B	C
24401	76	76	55
24402	76	76	55
24403	76	100	55
24404	76	132	55



	A	B	C
24404/2	76	132	55
24406	76	188	55

IDROBOX IP55 ENCLOSURES



	A	B	C
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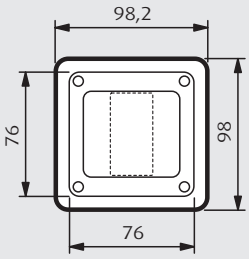
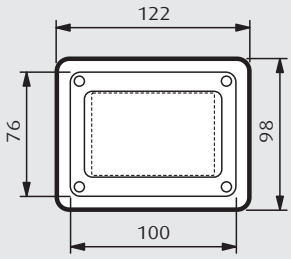
24502	76	76	63
24503	76	100	63
24504	76	132	63

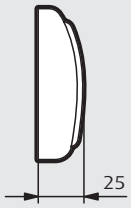
IDROBOX PROTECTED COVERS



24602 - 24602S 24602L - 24602N

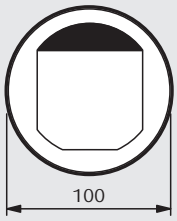


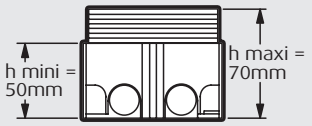
24603 - 24603S - 24603L - 24603N



side view

FLOOR BOXES





NOTE: for further information on dimensions and technical features for a correct installation please refer to the instructions supplied with the product.

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This booklet deletes and replaces the previous one with reference LL05C/GB.
The company reserves at any time the right to modify the content of the present booklet.

version 1/2007