



CATALOGUE

2007-2008

PRODUCTS AND SYSTEMS
FOR ELECTRICAL INSTALLATIONS
AND INFORMATION NETWORKS





Intelligent solutions

In One by Legrand
intelligent solutions for home

Lighting control for commercial buildings

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PLC/IR lighting control for home

NEW
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RF lighting control for home

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PLC/IR and RF roller blinds control

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New in 2007

In One by Legrand
lighting control
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In One by Legrand
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Lighting control for commercial buildings
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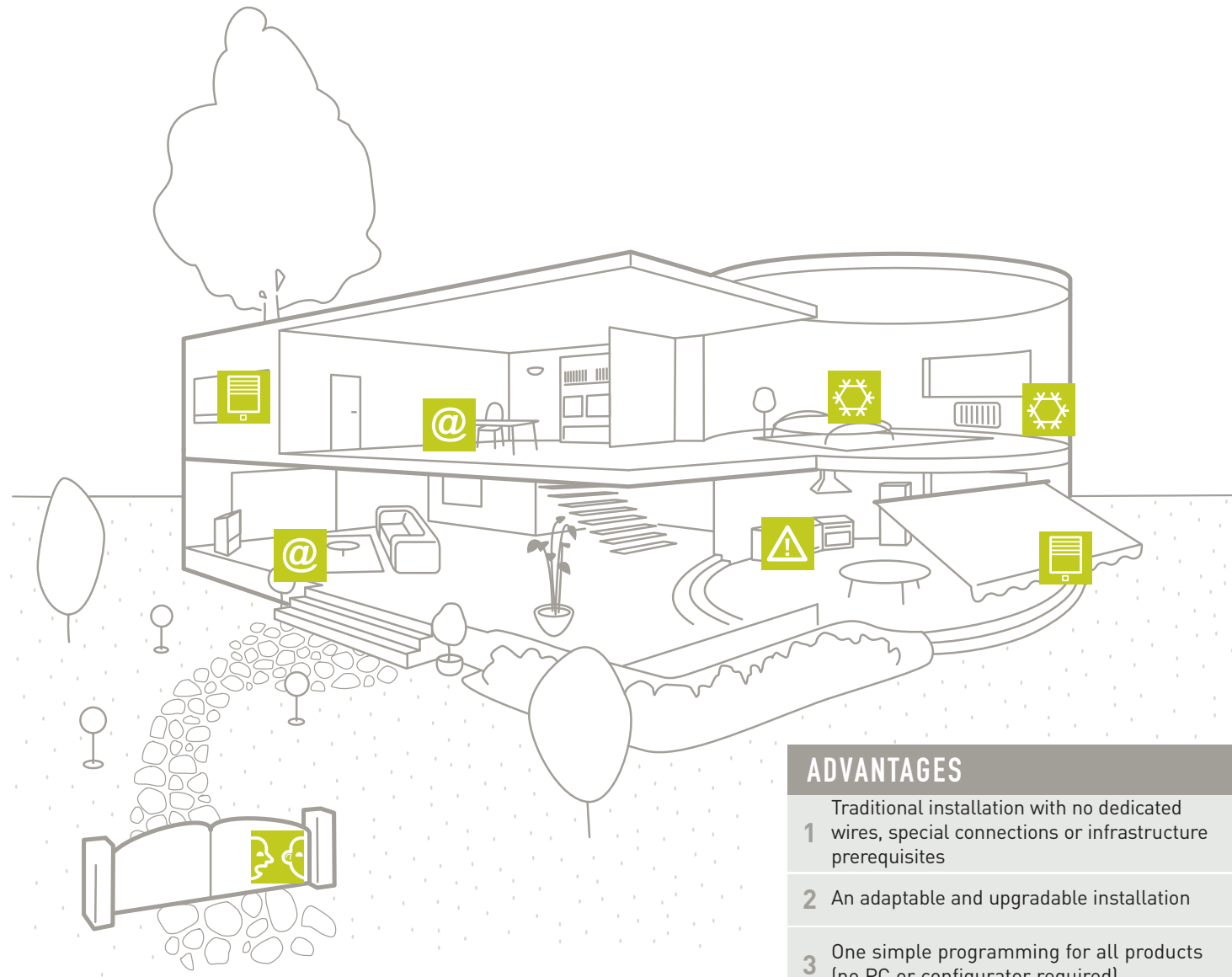


Principle and technologies

The **In One by Legrand** system is a set of tailor-made, adaptable solutions that can be installed independently, which, combined in scenarios, are used to adapt the electrical functions of the home to the lifestyle of its occupants

Tailor-made solutions:

COMFORT	
LIGHTING (switch dimmer, automatic switch, switched-socket, etc.)	
ROLLER BLINDS (individual and general controllers)	
HEATING (thermostats)	
SECURITY	
TECHNICAL DETECTION (smoke, gas leak, water leak, etc.)	
COMMUNICATION	
COMMUNICATION NETWORK (telephone, Internet, TV, etc.)	
ACCESS CONTROL (video or audio door entry system, etc.)	



- ### ADVANTAGES
- 1 Traditional installation with no dedicated wires, special connections or infrastructure prerequisites
 - 2 An adaptable and upgradable installation
 - 3 One simple programming for all products (no PC or configurator required)
 - 4 **In One by Legrand** solutions are compatible with traditional products
 - 5 Innovative solutions for users taking full advantage of the electrical installation

Scenarios

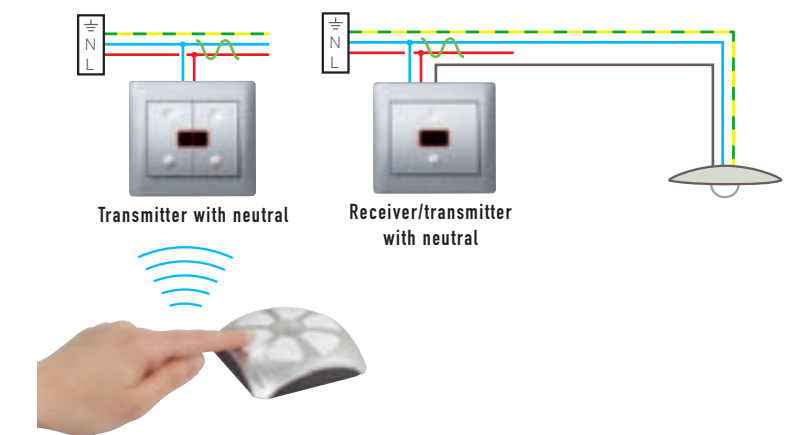
This is the tailor-made association of several solutions **In One by Legrand** for adapting the electrical functions of the home to the lifestyle of its occupants

→ For more information: pages 428 and 429

Technologies:

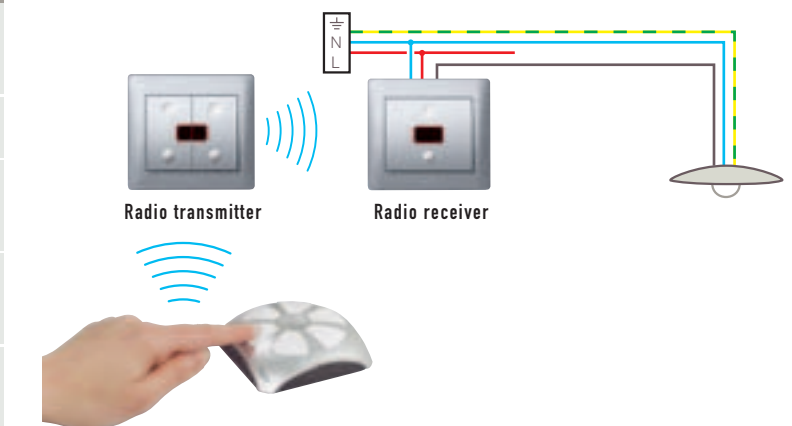
Power Line Carrier (PLC) - Infrared (IR)

- Particularly suitable for new buildings
- Transmits encoded messages via the 230 V mains supply of the house without a dedicated bus
- Possible control at any point of the installation with a simple phase/neutral connection



Radio (RF)

- Particularly suitable for refurbishment
- Transmits encoded messages via radio waves at 868.3 MHz (up to 200 m in free field)
- The transmitter installation requires no connection
- The receiver is installed in place of a traditional switch





7756 33 Aluminium finish



746 50 White finish



7756 34 Aluminium finish



746 52 White finish



036 01

Selection chart for: Galea Life cover plates (p. 545) and frames (p. 552-553); Mosaic support frames and cover plates (p. 644-649)

Particularly suitable for new buildings and heavy renovation
Can be controlled by IR from the same room or by PLC with lighting or other scenario controllers (p. 430-434)
PLC products can communicate with RF products by using the RF/PLC interface Cat.No 036 06 (p. 438)

Pack	Cat.Nos		PLC/IR switches - 230 V 50/60 Hz	
1	Galea Life 7756 33	Mosaic 746 73	<p>"ON/OFF" functions of the associated load Double function: transmitter-receiver As transmitter, can control other PLC switches of the same installation ("ON/OFF" functions) As receiver executes the orders received from other PLC/IR switches or from any scenario controller (p. 430-434) 3 wire connection with neutral Box: min. 40 mm deep Maximum loads see opposite page</p> <p>PLC/IR switches</p> <p> One-way switch</p>	
1	7756 32	746 50	<p> Two gang one-way switch Can be also used as one-way switch</p> <p>PLC/IR switches with indicator Supplied with blue colour lamp Lamp on = switch on</p>	
1	7756 35		<p> One-way switch</p>	
1	7756 34		<p> Two-gang one-way switch</p>	

Available 2008

Pack	Cat.Nos		PLC/IR switch dimmers - 230 V 50/60 Hz	
1	Galea Life 7756 37	Mosaic 746 51	<p>"ON/OFF" dimming functions of the associated load Auto regulation against overloads Adjustable lighting level. Soft extinction Double function: transmitter-receiver As transmitter, can control other PLC switches of the same installation ("ON/OFF" functions) As receiver executes the orders received from other PLC/IR switches ("ON/OFF" functions) or from any scenario controller ("ON/OFF" Dimming functions) (p. 430 and 434) 3 wire connection with neutral Box: min. 40 mm deep Compatible loads: see opposite page</p> <p>PLC/IR switch-dimmer</p> <p> 300 W - multi load</p>	
1	7756 49		<p>PLC/IR switch-dimmer with state indicator Blue LEDs bargraph showing the light level Red LEDs indicating a possible fault on the load</p>	
1	7756 38		<p> 300 W - multi load 600 W - for incandescent and halogen lamps 230 V and ELV with ferromagnetic transformer</p>	

Available 2008

Pack	Cat.Nos		PLC automatic switch - 230 V 50/60 Hz	
1	Galea Life 7756 21	Mosaic 746 52	<p> Double function: transmitter-receiver IR movement detector Luminosity threshold: 3 to 1 000 lux Temporization: 1 s to 16 min Detection range: 3 to 10 m Horizontal angle: 180° Automatic control or manual override by direct action on the local buttons As transmitter, can control other PLC switches of the same installation As receiver, can execute the orders received from other PLC/IR switches or from any scenario controller (p. 430 and 434) 3 wire connection, with neutral Box: min. 40 mm deep Maximum loads see opposite page</p>	

Pack	Cat.Nos		PLC modular remote controlled dimmers - Lexic - 230 V 50/60 Hz	
1	4 modules 036 01		<p>"ON/OFF" dimming functions of the connected circuit Auto regulation against overloads Adjustable lighting level. Soft extinction Double function: transmitter-receiver As transmitter, can control other PLC switches of the same installation ("ON/OFF" functions) As receiver executes the orders received from other PLC switches ("ON/OFF" functions) or from any scenario controller ("ON/OFF" dimming functions) (p. 430 - 434) Compatible loads: see opposite page</p> <p> Modular remote control dimmer 1 000 W</p>	
1	036 10		<p>Modular remote control dimmer, 1 000 W with state indicators</p>	
1	036 11		<p>Modular remote control dimmer 1 000 VA; 0 - 10 V.</p>	

PLC/IR lighting scenario controllers
(p. 430)

Other scenario controllers (p. 434)



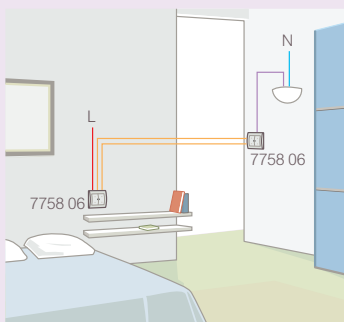
lighting control

power line carrier (PLC) and infrared (IR) technologies
switches, automatic switches, dimmer switches, remote control dimmers

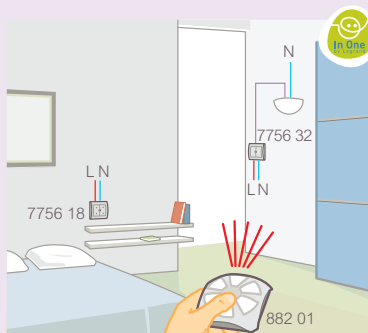
Examples of installations:

Lighting control with two-way switch

Traditional installation



2-way switch



- The switch (Cat.No 7756 32) is connected to a lighting circuit and controls the load directly like a traditional switch
- The scenario controller (Cat.No 7756 18) is phase/neutral connected to the 230 V~ and, after learning procedure, can use PLC to control the load connected to the switch
- The switch can also be controlled by other scenario controllers, for example the IR mobile scenario controller (Cat.No 882 01 or 882 15)

Advantages:

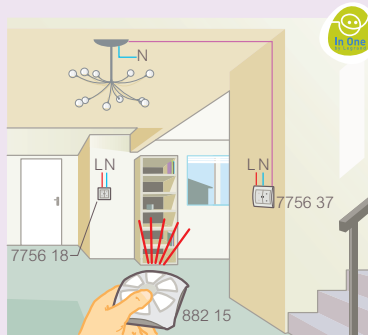
- The wiring is simplified
- It is possible to add several mobile scenario controllers
- The scenario controllers can be used to control all or some of the electrical functions of the home

Chandelier dimmer control

Traditional installation



2-gang two-way switch



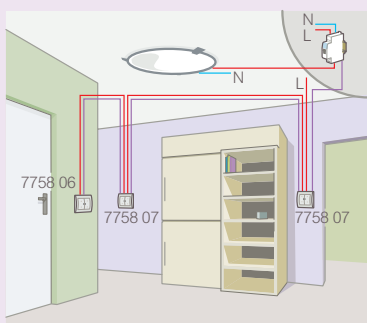
- The switch dimmer (Cat.No 7756 37) is connected to a lighting circuit and controls the load directly for on/off and dimming like a traditional dimmer
- The scenario controller (Cat.No 7756 18) after learning procedure, can use PLC to control the load connected to the dimmer switch, for on/off and dimming
- The dimmer switch can also be controlled for on/off and dimming by other scenario controllers, for example the mobile scenario controller (Cat.No 882 15)

Advantages:

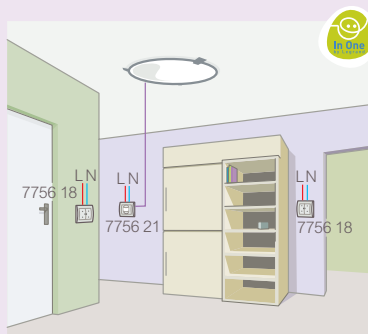
- The wiring is simplified
- The user can control lighting environments locally or remotely with the IR mobile scenario controllers

Several control points

Traditional installation



Remote control switch with 3 pushbuttons



- The automatic switch (Cat.No 7756 21) is connected to a lighting circuit and controls the load by detection like a traditional automatic switch
- The scenario controllers (Cat.No 7756 18) are phase/neutral connected to the 230 V~ and, after learning procedure, can use PLC to control the load connected to the automatic switch

Advantages:

- The load will be switched on by detection and will go off automatically at the end of the automatic switch's time delay or by pressing the scenario controllers
- The function is therefore equivalent to a remote control switch with timer with simplified wiring

Maximum loads - 230 V 50/60 Hz:

Cat.Nos			Incandescent lamps and halogen 230 V	ELV halogen lamps with ferromagnetic transformer	ELV halogen lamps with electronic transformer	Fluorescent lamps Ø26 or Ø36 mm	Fluocompact lamps
Galea Life	Mosaic	Lexic					
		036 01	1 000 W	1 000 VA	1 000 VA	No	No
		036 10	1 000 W	1 000 VA	1 000 VA	No	No
		036 11	No	No	No	1 000 VA with 1-10 V dimmable ballast	1 000 VA with 1-10 V dimmable ballast
7756 21	746 52		1 000 W	1 000 VA	1 000 VA	2 x 36 W	160 W
	746 50		2 x 500 W	2 x 500 VA	2 x 500 VA	2 x (2 x 36 W)	2 x 160 W
7756 32/7756 34			2 x 1 000 W	2 x 1 000 VA	2 x 1 000 VA	2 x (2 x 36 W)	2 x 160 W with separated ballast
7756 33/7756 35	746 73		2 500 W	2 500 VA	2 500 VA	8 x 36 W	500 W with separated ballast
7756 37/7756 49	746 51		300 W	300 VA	300 VA	No	No
7756 38			600 W	600 W	No	No	No



lighting control
power line carrier (PLC) and infrared (IR) technologies



Selection chart for Mosaic support frames and cover plates (p. 644-649)

Particularly suitable for new buildings and heavy renovation
Can be controlled by IR from the same room or by PLC with lighting or other scenario controllers (p. 430-434)
PLC products can communicate with RF products by using the RF/PLC interface Cat.No 036 06 (p. 438)

Pack	Cat.Nos	Switched sockets - 230 V 50/60 Hz
		PLC/IR switched sockets - Mosaic One PLC/IR switch supplied with a 2P + E socket "ON/OFF" functions of the load connected to the socket As receiver can execute the orders received from other PLC switches or from any scenario controller (p. 430-434) 3 wire connection, with neutral Box: min. 40 mm deep Maximum loads: see opposite page
1	Mosaic 746 70	German standard
1	746 71	British standard
		PLC mobile switched socket outlets To be directly connected to an existing 2P + E socket "ON/OFF" functions of the associated load Incandescent and halogen lamps 230 V Double function: transmitter-receiver As receiver can execute the orders received from other PLC switches or from any scenario controller (p. 430-434) Maximum loads: see opposite page
1	882 63	German standard
1	882 64	British standard
1	4 modules 036 00	PLC modular multifunction switch - Lexic - 230 V 50/60 Hz Can control up to 2 circuits in 4 different modes: push-button, switch, latching relay and time switch (5 mn to 3 h) As receiver executes the orders received from other PLC switches or from any scenario controller (p. 430-434) Maximum loads: see opposite page

Pack	Cat.Nos	Switch dimmer sockets - 230 V 50/60 Hz
		PLC/IR switch dimmer sockets - Mosaic One switch dimmer supplied with a 2P + E socket "ON/OFF"/dimming functions of the load connected to the socket Incandescent and halogen lamps 230 V and ELV with electronic or ferromagnetic transformer As receiver can execute the orders received from other PLC switches ("ON/OFF" functions) or from any scenario controller (p. 430-434) ("ON/OFF"/dimming functions) 3 wire connection with neutral Box: min. 40 mm deep Maximum loads: see opposite page
1	Mosaic 746 65	German standard
1	746 66	British standard
		PLC mobile switch dimmer sockets To be directly connected to an existing 2P + E socket "ON/OFF"/dimming functions of the connected load Incandescent and halogen lamps 230 V Auto regulation against overloads Adjustable lighting level Soft extinction As receiver can execute the orders received from other PLC switches ("ON/OFF" functions) or from any scenario controller (p. 430-434) ("ON/OFF"/dimming functions) Maximum loads: see opposite page
1	882 70	German standard
1	882 71	British standard

PLC/IR lighting scenario controllers (p. 430)

Other PLC/IR scenario controllers (p. 434)



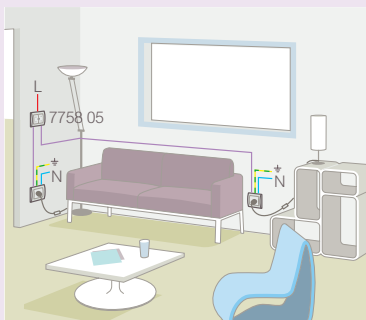
lighting control

power line carrier (PLC) and infrared (IR) technologies
switched sockets, switch-dimmer sockets, multifunction switches

Examples of installations:

Controlled sockets for lighting

Traditional installation

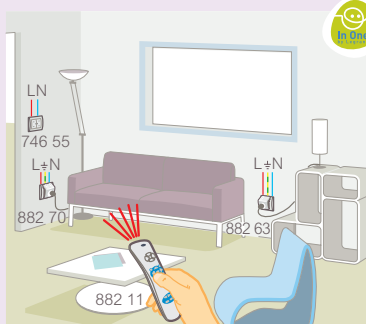
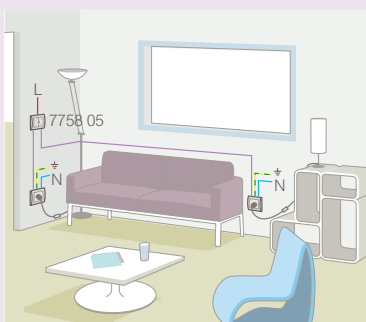


- The switched sockets (Cat.No 746 70) are phase/neutral connected to the 230 V~ and directly control the loads connected to the sockets
- The scenario controller (Cat.No 746 55) is phase/neutral connected to the 230 V~ and, after learning procedure, can use PLC to control the loads connected to the switched sockets
- The switched sockets can also be controlled by other scenario controllers, for example the IR mobile scenario controllers (Cat.No 882 01 or 882 15)

Advantages:

- The wiring is simplified
- The user can control the lamps independently or as a group and locally or remotely with the scenario controllers

Traditional installation



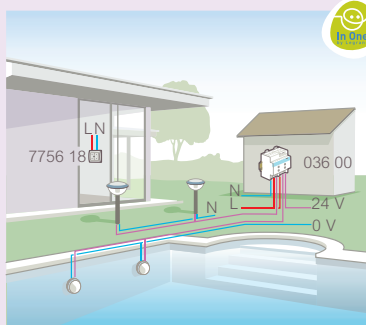
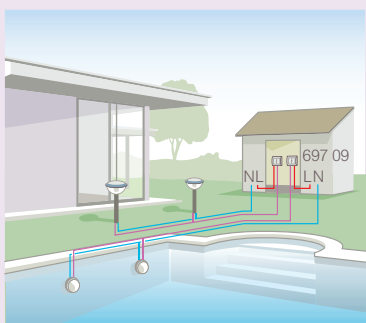
- The mobile switched socket (Cat.No 882 63) and the mobile switch-dimmer socket (Cat.No 882 70) are connected directly to existing sockets and control the loads connected to the sockets, for on/off and dimming respectively
- The scenario controller (Cat.No 746 55) is phase/neutral connected to the 230 V~ and, after learning procedure, controls the loads connected to the mobile switched sockets
- The mobile switched sockets can also be controlled by other scenario controllers, for example the multimedia universal remote control (Cat.No 882 11)

Advantages:

- The wiring is simplified
- The user can control the light sources from a single point

Garden lighting

Traditional installation



- The modular multifunction switch (Cat.No 036 00) has 4 operating modes (pushbutton, switch, remote control switch and timer switch) for controlling the 2 circuits connected to its terminals
- The scenario controller (Cat.No 7756 18) is phase/neutral connected to the 230 V~ and, after learning procedure, can use PLC to control the loads connected to the multifunction switch

Advantages:

- The multifunction switch can control lighting loads up to 2500 W, and also ELV applications, an electrically operated door or a sprinkler system
- From indoors, using the scenario switch, the user can control all the lighting in the garden

Maximum loads:

Cat.Nos			Incandescent lamps and halogen 230 V	ELV halogen lamps with ferromagnetic transformer	ELV halogen lamps with electronic transformer	Fluorescent lamps Ø26 or Ø36 mm	Fluocompact lamps
Mobile	Mosaic	Lexic					
		036 00	2 x 2500 W	2 x 2000 VA	2 x 2000 VA	2 x (8 x 36 W)	2 x 500 W
	746 70/746 71		2500 W	2500 VA	2500 VA	8 x 36 W	500 W
	746 65/746 66		300 W	300 VA	300 VA	No	No
882 63/882 64			2500 W	2500 VA	No	No	No
882 70/882 71			500 W	500 VA	No	No	No



7756 36 Aluminium finish



746 61 White finish



695 10



916 29

Selection chart for: Galea Life cover plates (p. 545) and frames (p. 552-553); Mosaic support frames and cover plates (p. 644-649)

Particularly suitable for light renovation without damaging the wall
Can be controlled by radio from the same room or remotely by RF scenario controllers (p. 432 and 434)
RF products can communicate with PLC products by using the RF/PLC interface Cat.No 036 06 (p. 438)

Pack	Cat.Nos	RF switches - 230 V 50/60 Hz
1	Galea Life 7756 36 Mosaic 746 60	Switch without neutral RF <p>"ON/OFF" functions of the associated load As receiver can execute the orders received from RF scenario controllers (p. 432 and 434) Can participate to a maximum of 16 scenarios (receiver) 2 wire connection Maximum loads: see opposite page Box: min. 40 mm deep</p>

Pack	Cat.Nos	RF multifunction weatherproof switch IP 55 - 230 V 50/60 Hz
1	Plexo 916 29	<p>Can control 1 or 2 circuits Adjustable outputs (4 different functions): push-button, time-switch, switch, latching relay As receiver can be remotely controlled by an other switch with "ON/OFF" function and by a scenario controller (p. 432 and 434) 3 wire connection Maximum loads: see opposite page</p>

Pack	Cat.Nos	RF switch dimmers - 230 V 50/60 Hz
1	Galea Life 7756 42 Mosaic 746 61	RF switch-dimmer <p>300 W</p>

1	7756 43	RF switch-dimmer with state indicator <p>600 W Blue leds bargraph showing the light level Red led indicating a possible fault on the load</p>
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Pack	Cat.Nos	RF mobile switched sockets - 230 V 50/60 Hz
1	882 65	<p>German standard</p>
1	882 66	<p>British standard</p>

Pack	Cat.Nos	RF weatherproof switch - IP 55 - 230 V 50/60 Hz
1	Plexo 695 10	<p>1 output: "ON/OFF" functions of the connected load As receiver executes the orders received from RF scenario controllers (p. 432-434) Maximum loads: see opposite page 3 wire connection with neutral</p>

Pack	Cat.Nos	RF mobile switch dimmer sockets - 230 V 50/60 Hz
1	882 72	<p>German standard</p>
1	882 73	<p>British standard</p>

Plexo surface mounting boxes and flush mounting support frames
(p. 671)

RF lighting scenario controllers (p. 432)

Other scenario controllers (p. 434)



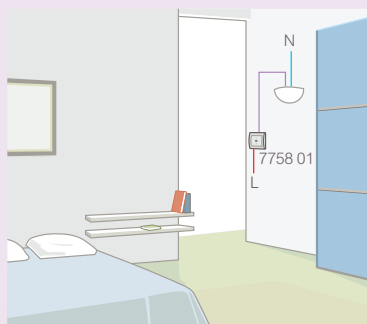
lighting control

radio (RF) technology

switches, switch-dimmer, switched socket, switch-dimmer socket, multifunction switch

Examples of installations:

Converting a single way into a two-way switch



Before



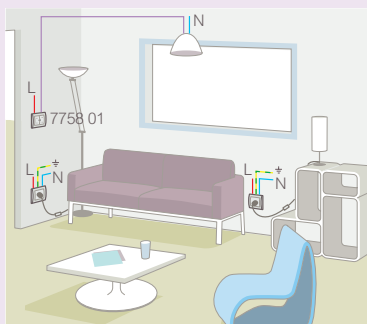
After

- The switch (Cat.No 7756 36) is connected to a lighting circuit and controls the load directly like a traditional switch
- The scenario controller (Cat.No 7756 16) is installed at the desired location, with no connection to the mains power or damage to the walls and, after learning procedure, can use radio to control the load connected to the switch
- The switch can also be controlled by other scenario controllers, for example the radio mobile scenario controller (Cat.No 882 15)

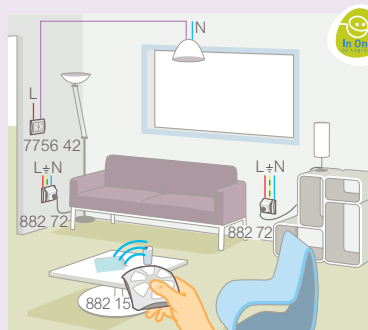
Advantages:

- No additional wiring for converting a one-way into a two-way switch
- It is possible to add several scenario controllers (Cat.No 882 15 or 7756 16)

Converting several control points into a central lighting environment control



Before



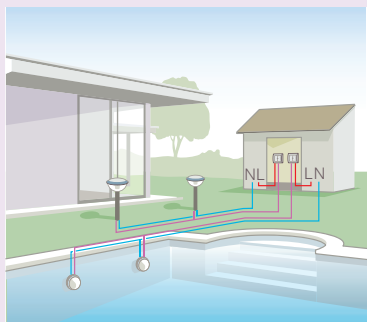
After

- The mobile dimmer switch-sockets (Cat.No 882 72 or 882 73) are connected directly to existing sockets and control the loads connected to the sockets, for on/off and dimming respectively
- The switch-dimmer (Cat.No 7756 42) controls the ceiling light for on/off/dimming
- The mobile scenario controller (Cat.No 882 15) can be used, after learning procedure, to control all the dimmers by radio

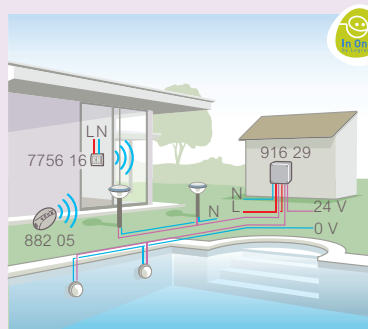
Advantages:

- The user has the benefit of a central control point for creating lighting environments
- No damage to the walls or additional wiring

Creating lighting environments in the garden



Before



After

- The Plexo radio multifunction switch (Cat.No 916 29) has 4 operating modes (pushbutton, switch, remote control switch and timer switch) for controlling the 2 circuits connected to its terminals

- The scenario controller (Cat.No 7756 16) is installed at the desired location, with no connection to the mains power or damage to the walls and, after teaching, can use radio to control the loads connected to the multifunction switch
- The radio multifunction switch can be controlled by other scenario controllers, like the pocket scenario controller (Cat.No 882 05)

Advantages:

- The multifunction switch can control lighting loads up to 2500 W, and also an electrically operated door or a sprinkler system
- Using scenario controllers, the user can control lighting functions, a sprinkler system, an electrically operated door, etc

Maximum loads:

Cat.Nos				Incandescent lamps and halogen 230 V	Halogen lamps with ferromagnetic transformer	Halogen lamps with electronic transformer	Fluorescent lamps Ø26 or Ø36 mm	Fluocompact lamps
Galea Life	Mosaic	Mobile	Plexo					
7756 36	746 60			300 W	300 VA	300 VA	No	No
7756 42	746 61			300 W	300 VA	300 VA	No	No
7756 43				600 W	600 VA	No	No	No
			695 10	2500 W	2500 VA	2500 VA	8 x 36 W	500 W
			916 29	2 x 2500 W	2 x 2000 VA	2 x 2000 VA	2 x (8 x 36 W)	2 x 500 W
		882 65/882 66		2500 W	No	No	No	No
		882 72/882 73		500 W	No	No	No	No



roller blinds control: Galea™ Life and Mosaic™
power line carrier (PLC), infrared (IR) and radio technologies

NEW



7756 22 Aluminium finish



746 57 White finish



036 03

Selection chart for: Galea Life cover plates (p. 545) and frames (p. 552-553); Mosaic support frames and cover plates (p. 644-649)

PLC products can communicate with RF products by using the RF/PLC interface Cat.No 036 06 (p. 438)

Pack	Cat.Nos	PLC/IR roller blinds controllers	Pack	Cat.Nos	RF roller blinds controllers
		<p>Individual roller blinds controllers Up/Stop/Down control for 230 V roller blinds motors Double function: transmitter-receiver Roller blinds orientation by long push As transmitter, can control other PLC roller blinds controls of the same installation As receiver can execute the orders received from other PLC / IR switches (Up/Down functions), from individual or general roller blinds controls or from scenario controllers (p. 430-434) Maximum load: 1x 500 VA, 230 V Box: min. 50 mm deep</p>			<p>Individual roller blinds controllers - receiver Up/Stop/Down control for 230 V roller blinds motors As receiver can execute the orders received from other RF switches (Up/Stop/Down functions), from general RF roller blinds controls or from scenario controllers (p. 432 and 434) Maximum load: 1 x 500 VA, 230 V</p>
1	Galea Life 7756 22	<p> Individual roller blinds controller</p> <p> Individual roller blinds controller with preset levels</p>	1	Galea Life 7756 27	<p> Individual roller blinds controller with roller blinds orientation function Box: min. 40 mm deep</p> <p> Weatherproof individual roller blinds controller. To be installed outside or in the head rail of the blind or in technical compartment (suspended ceiling)</p>
1	Mosaic 746 56		1	Mosaic 746 64	
1	7756 24	<p> Individual roller blinds controller with wind/sun safety kit manual override button</p>		495 05	
		<p>General roller blinds controllers - transmitter Up/Stop/Down functions for simultaneous action of a group of individual roller blinds controllers Two auxiliary inputs for up and down control 2 wire connection Box: min. 40 mm deep</p>			<p>General roller blinds controllers - transmitter Up/Stop/Down functions for simultaneous action of a group of RF individual roller blinds controllers 1 lithium battery 3V CR 2032 supplied</p>
1	Galea Life 7756 25	<p> General roller blinds controller</p> <p> General roller blinds controller with action indicator</p>	1	Galea Life 7756 29	<p> General roller blinds controller - transmitter Direct installation onto the wall, without flush-mounting box</p> <p> Weatherproof general roller blinds controller. To be used with surface mounting boxes or flush mounting support frames (p. 671) Box: min. 50 mm deep</p>
1	Mosaic 746 57		1	Mosaic 746 62	
				Plexo 695 07	
1	4 modules 036 04	<p>In One by Legrand /RTS interface</p> <p> Allows the control of RTS Somfy roller blinds by PLC or RF roller blind controls or scenario controllers (p 430-434)</p>	1	4 modules 036 03	<p>Accessories</p> <p>Wind/sun safety kit</p> <p> The kit is containing an outdoor sensor and a control module to be installed in the panel board. Wind and sun security system</p> <p>Allows the automatic control of the roller blinds in case of high speed wind or excessive luminosity The outdoor sensor measures the light level and the wind speed and sends the information by radio to the control module Without wire or battery (self charging) Adjustable luminosity threshold and safety level (wind speed between 7 and 80 km/h)</p>
		<p>PLC/IR scenario controllers (p. 430)</p> <p>RF scenario controllers (p. 432)</p>			



controls for roller blinds and awnings

power line carrier (PLC), infrared (IR) and radio (RF) technologies

Examples of installations:

Adding a general PLC/IR roller blinds control



Before



After

- The individual roller blinds controller (Cat.No 7756 22) is connected to the 230 V~ and directly controls the electric blinds motor connected to these terminals
- The general roller blinds controller (Cat.No 7756 25) is connected to the 230 V~ and, after learning procedure, can use PLC to control the roller blinds connected to the individual blind controllers
- The individual roller blinds switch can also be controlled by one or more scenario controllers, for example the IR scenario remote control (Cat.No 882 00) which can also control a TV receiver

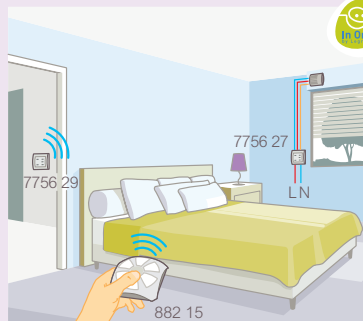
Advantages:

- Individual roller blinds controllers can form part of scenarios, for example lower the blinds and switch on the lighting
- Centralizing the blinds control allows simultaneous raising/lowering of some or all blinds in the building

Adding a general radio roller blinds control



Before



After

- The individual roller blinds controller (Cat.No 7756 27) is connected to the 230 V~ and directly controls the electric blinds motor connected to these terminals
- The general roller blinds controller (Cat.No 7756 29) is installed at the desired location, with no connection to the mains power or damage to the walls and, after learning procedure, can use radio to control the blinds connected to the individual blind controllers
- The individual blind controller can also be controlled by one or more scenario switches, for example the radio mobile scenario controller (Cat.No 882 15)

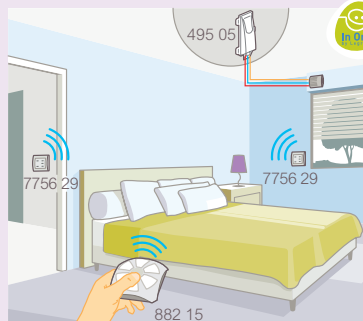
Advantages:

- Individual roller blinds controllers can form part of scenarios, for example lower the blinds and switch on the lighting
- No additional wiring for installing the central control
- Centralizing the blinds control allows simultaneous raising/lowering of some or all blinds in the building

Modernizing existing electric roller blinds



Before



After

- The weatherproof individual roller blind switch (Cat.No 495 05) is connected to the 230 V~ and directly controls the electric blind motor connected to these terminals
- The general roller blinds controller (Cat.No 7756 29) is installed at the desired location, with no connection to the mains power or damage to the walls and, after learning procedure, can use radio to control the loads connected to one or more individual roller blinds controllers
- The individual blind controller can also be controlled by one or more scenario controllers, for example the radio mobile scenario controller (Cat.No 882 15)

Advantages:

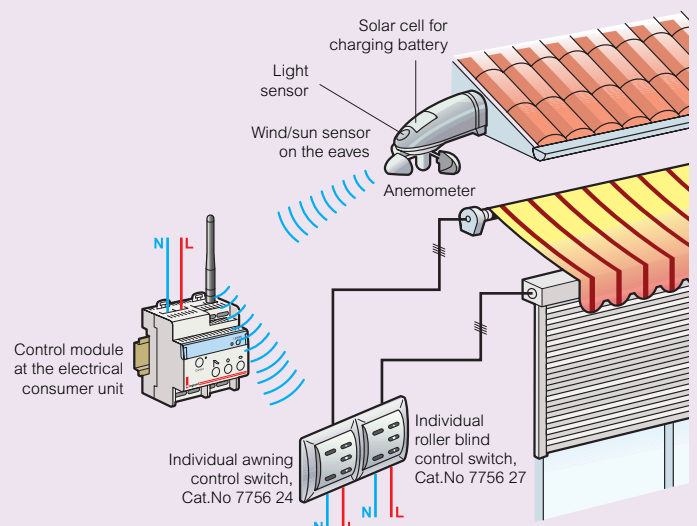
- The weatherproof individual roller blinds controller can be installed outside or in the head rail of the blind, close to the motor, and in this way allows traditional blinds to be modernized with little damage to the walls
- No additional wiring for installing the general roller blinds controller

Wind/sun safety kit for awning control:

When the wind/sun sensor detects a wind speed higher than the defined safety threshold, it sends a signal by radio to the control module. The control module sends the order to roll up the awning to the individual roller blind switch by radio and PLC. The control module can also send the order to lower the roller blinds to protect the windows against objects thrown by the wind, using radio and PLC.

Advantages:

- No change to the existing wiring
- The wind/sun sensor requires no connection or maintenance (operates by solar power)
- The control module can send the raise and lower orders to as many blind/awning switches as desired
- Automatic lowering of the awning in the event of excessive brightness



NEW



temperature control
power line carrier (PLC) and radio (RF) technologies



temperature control
programmable thermostats, air conditioning controller



7713 94

Selection chart for: Galea Life cover plates (p. 545) and frames (p. 552-553)

Can be controlled by PLC scenario controllers
PLC products can communicate with RF products by using the RF/PLC interface Cat.No 036 06 (p. 438)

Pack	Cat.Nos	Thermostats - 230 V 50/60 Hz
		PLC room thermostats
		Suitable for electric floor or ceiling heating systems and oil or gas boilers Adjustable temperature range between + 7 °C and + 30 °C Adjustment precision ± 0.5 °C 1 output - potential free contact Sends the orders to PLC multifunction switch (Cat.No 036 00), connected to the heating system (the boiler's internal thermostat for example)
1	Galea Life 7710 94	White cover
1	7712 94	Dark bronze cover
1	7713 94	Aluminium cover
1	7714 94	Titanium cover
1	7715 94	Pearl cover
		Programmable room thermostats
		Suitable for electric floor or ceiling heating systems, oil or gas boilers Daily and weekly programmes Visual control of the current programme Adjustable temperature range between + 7 °C and + 35 °C Adjustment precision ± 0.5 °C 4 adjustable comfort levels Permanent saving of programmes 100 hours working reserve to be equipped with special 2 gang frames without separation (p. 551)
		Available September 2007
1	Galea Life 7756 51	PLC thermostat 110/230 V~ Breaking capacity: max. 8 A
1	7756 65	RF Thermostat Sends the control signal to an RF switch Cat.No 916 29 (p. 418) connected to the heating system Breaking capacity: max. 8 A Supplied with batteries
		External temperature sensor for RF programmable thermostat
1	882 19	Measures the outside temperature and transmits the information by RF technology to RF programmable thermostat Cat.No 7756 65

Installing a programmable thermostat for an oil/gas boiler



Before



After

- The PLC thermostat (Cat.No 7710 94) is connected to the 230 V~ and uses PLC to control the heating, through the multifunction switch (Cat.No 036 00) connected to the boiler's thermostat input
The PLC thermostat can be controlled by one or more scenario controllers (p. 430-434)

Advantages:

- The heating control can form part of living scenarios, such as for example reducing the heating to economy mode and closing the blinds in a single operation up on leaving the house
- Energy consumption is optimized



safety functions for home - Galea™ Life

power line carrier (PLC) technology



7757 41 Aluminium finish



7757 42 Aluminium finish



7757 45 Aluminium finish



406 10



432 76

Selection chart for: Galea Life cover plates (p. 545) and frames (p. 552-553); Mosaic support frames and cover plates (p. 644-649)
 Technical characteristics (p. 424)

Particularly suitable for new buildings and heavy renovation
 To limit risks and ensure the safety of people and property
 Can be used to raise an alarm in the same room or in another room
 An activation control can be sent via PLC in order to control an actuator
 PLC products can communicate with RF products by using the RF/PLC interface Cat.No 036 06 (p. 438)

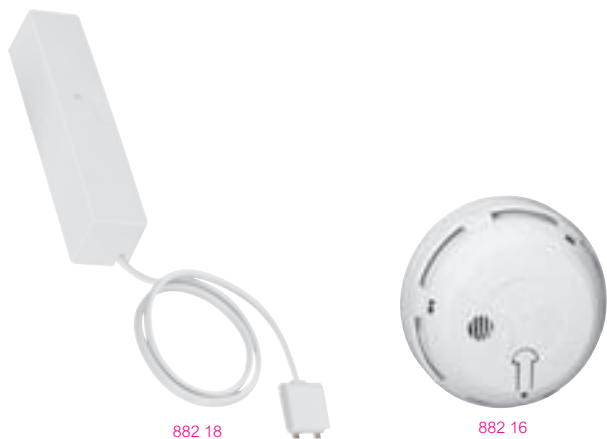
Pack	Cat.Nos	Safety functions for home	Pack	Cat.Nos	Safety functions for home (continued)
1	7757 41	Flood detector Indicates via a LED the presence of a conducting liquid The height at which the sensor is installed determines the level of flooding Consumption: 0.1 mA in standby mode, 25 mA in alarm mode Supplied with a sensor and a 2 meter cable	1	406 10	Smoke detector Ceiling mounted Detects the white smoke Visual and audible alarm signal 85 dB at 1 m Power supply: 12 V... (for example Cat.No 047 95)
1	7757 42	Gas detectors Indicates the presence of a gas via a LED and audible alarm signal - 85 dB at 1 m Methane gas detector Consumption: 120 mA in standby mode, 164 mA in alarm mode.	10	7759 85	Cable outlet 5 terminals, for 5 x 2,5 mm ² cables Equipped with cord grip Allows the power supply of an actuator
1	7757 43	Butane and Propane gas detector Consumption: 112 mA in standby mode, 145 mA in alarm mode	1	432 76	Accessories Telephone dialer 2 inputs, 2 messages, 4 phone numbers - PSTN lines only Conforming to the norm TBR 21 Safety Battery Cat.No 433 40 not supplied
1	7757 44	Alarm repeater Resends to another room the alarm signal received from the technical detectors LED indicator and audible alarm signal 85 dB at 1 meter Equipped with a potential free contact - 6 A resistive Consumption: 52 mA in standby mode, 137 mA in alarm mode	1	036 18	In One by Legrand IP Axiophone To be installed in electric switch board (size: 6 modules) Power supply: 230 V Has to be connected to the LAN (RJ socket) Allows the control of 10 scenarios and can relay the information of 5 events Compatible with any product of the market equipped with web browser (PC, mobile phone, PDA,...) and connected to the internet (fixed internet connection or mobile version like wi-fi) Can directly control PLC products and has to be used with RF/PLC interface (Cat.No 036 06) in order to control RF versions Allows the displaying of any messages with its "Free test" zone (on its first page)
1	7757 45	Power supply unit Transformer : 230 V AC / 12 V AC max. 4 VA (200 mA) Can supply one of the 3 detectors For bigger powers use the LEXIC transformer Cat.No 042 37			
1	7756 20	In One by Legrand interface Power supply for one of the 3 detectors: 230 V AC / 12 VDC (200 mA) Allows through the power line the control of different devices (electro-valve, or electric security system)			

Available 2008

NEW



safety functions for home
radio (RF) technology



Particularly suitable for renovation
To limit risks and ensure the safety of people and property
Can be used to raise an alarm in the same room or in another room
An activation control can be sent via RF in order to control an actuator

Pack	Cat.Nos	RF safety functions for home
1	882 18	<p>In One by Legrand flood, temperature rise or opening detector</p> <p>Three different functions according to the sensor that is used Can detect the presence of a conducting liquid, the temperature rise - starting from - 15°C, or the opening of a door/window In alarm mode can control via an RF signal an In One by Legrand multifunction switch connected to an actuator Supplied with 2 sensors, a 2 meter cable, a magnet and a lithium CR123 9V battery (around 4 years of autonomy)</p>
1	882 17	<p>In One by Legrand gas detector</p> <p>230 V 50 Hz (transformer supplied) Directly plugged into a socket Detects methane or butane/propane gas according to the height where it is placed In alarm mode can control via an RF signal an In One by Legrand multifunction switch connected to an actuator</p>
1	882 16	<p>In One by Legrand smoke detector</p> <p>Ceiling mounted Detects the white smoke Visual and audible alarm signals 85 dB at 1m In alarm mode can control via an RF signal an In One by Legrand multifunction switch connected to an actuator Supplied with lithium CR123 and 9V batteries (around 4 years of autonomy)</p>

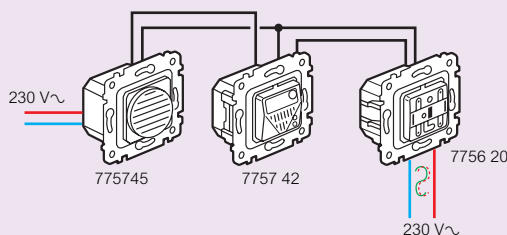
Accessories		
1	432 76	<p>Telephone dialer</p> <p>2 inputs, 2 messages, 4 phone numbers - PSTN lines only Conforming to the norm TBR 21 Safety Battery Cat.No 433 40 not supplied</p>
1	916 29	<p>RF multifunction switch - Plexo IP 55</p> <p>Can control 1 or 2 circuits Adjustable outputs (4 different functions): push-button, switch, latching relay and time switch. Compatible with all type of loads Can execute the orders received from the RF scenario controllers (p. 432 and 434) 3 wire connection. Maximum loads: see p. 419</p>
1	695 10	<p>RF switch - Plexo IP 55</p> <p>1 output: "ON/OFF" functions of the connected circuit 3 wire connection Maximum loads: see p. 419</p>

IP axiophone (see p. 423)

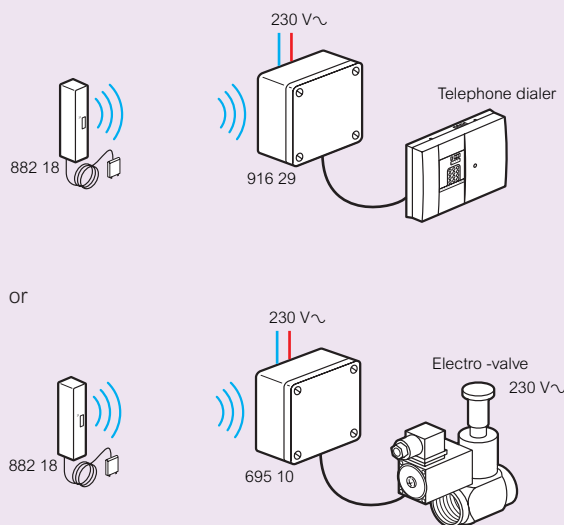
safety functions for home
power line carrier (PLC) and radio (RF) technology

Installation principle

PLC technology



RF technology





access control: Galea™ Life

audio and video door entry systems
for individual houses

NEW



3660 21 (See composition below)

Pack	Cat.Nos	Audio and video door entry systems
1	3660 21	<p>Digital technology, 2 wire connection The kits are including all necessary components for a door entry system installation The interface Cat.No 036 48 allows the bi-directional control of different scenarios from/to In One by Legrand to/from door entry systems</p> <p>Video door entry system kit Composition: <ul style="list-style-type: none"> • 1 flush-mounting video street panel, brushed aluminium finish, illuminated label holders • 1 flush-mounting box for street panel • 1 video hands free internal unit with colour monitor (aluminium finish cover plate and frame supplied) • 1 flush-mounting box for internal unit • 1 power supply • 1 door release </p>
1	3660 11	<p>Audio door entry system kit Composition: <ul style="list-style-type: none"> • 1 flush-mounting audio street panel, brushed aluminium finish, illuminated label holders • 1 flush-mounting box for street panel • 1 audio hands free internal unit (white cover plate and frame supplied) • 1 flush-mounting box for audio unit • 1 power supply • 1 door release </p>
Additional internal units (optional)		
1	7757 82	<p>The system accepts up to 2 monitors or handsets in parallel on the same call button</p> <p>Additional video internal units Additional video internal unit (flush-mounting box, aluminium cover plate and frame supplied)</p>
1	7757 83	<p>Additional audio internal units Flush-mounting box supplied With white cover plate and frame</p>
1	7757 92	<p>With aluminium cover plate and frame</p>
1	7757 93	<p>With integrated intercom function, white cover plate and frame supplied</p>
1	7757 94	<p>With integrated intercom function, aluminum cover plate and frame supplied</p>
1/6	036 48	<p>In One by Legrand interface Allows interconnection between the 2-wire bus and In One by Legrand system : <ul style="list-style-type: none"> - Scenario control from the door entry system internal and external units - Control of the door release from In One by Legrand - In video installations visual control of states of technical and intrusion alarms Installation on DIN rail (4 modules)</p>

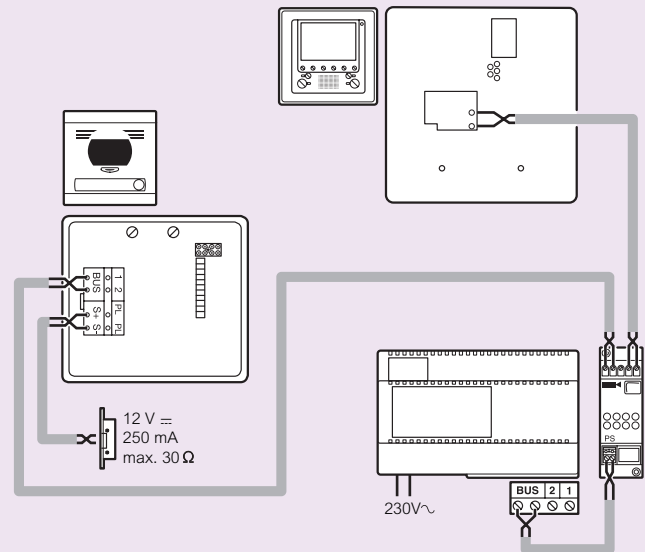
Detailed offer of Galea Life door entry systems (see p. 840-841)

access control: Galea™ Life

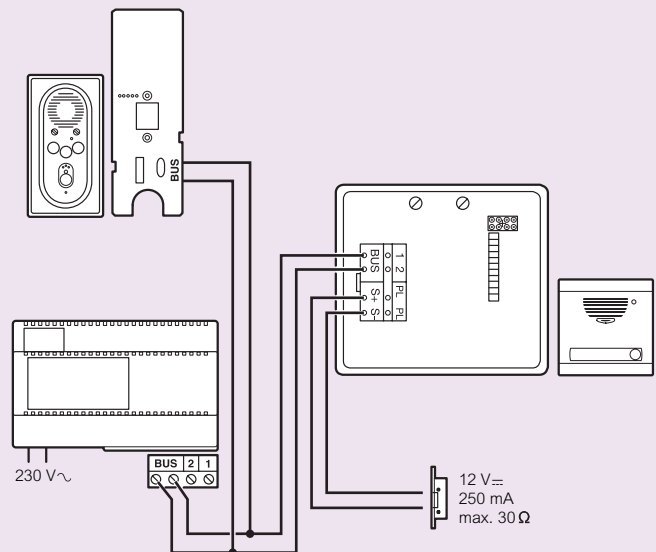
audio and video door entry systems
for individual houses

■ Wiring diagrams

Video door entry system Cat.No 3660 21



Audio door entry system Cat.No 3660 11



NEW



access control kits
audio and video door entry systems
for individual houses



3650 34 (See composition below)

Pack Cat.Nos Audio and video door entry systems

1	3659 34	<p>Digital wired technology The kits are including all necessary components for a door entry system installation The interface In One by Legrand allows the bi-directional control of different scenarios from/to In One by Legrand to/from door entry systems. In One by Legrand video door entry system kit with surface mounting street panel</p> <p>Composition:</p> <ul style="list-style-type: none"> • 1 surface mounting video street panel • 1 video black/white monitor • 1 wall base • 1 digital central unit • 1 power supply • 1 door release • 1 interface PLC/door entry system
1/2	3650 34	<p>In One by Legrand audio door entry system kit with flush-mounting street panel</p> <p>Composition:</p> <ul style="list-style-type: none"> • 1 flush-mounting video street panel • 1 flush-mounting box for street panel • 1 video black/white monitor • 1 wall base • 1 digital central unit • 1 power supply • 1 door release • 1 interface PLC/door entry system

Accessories

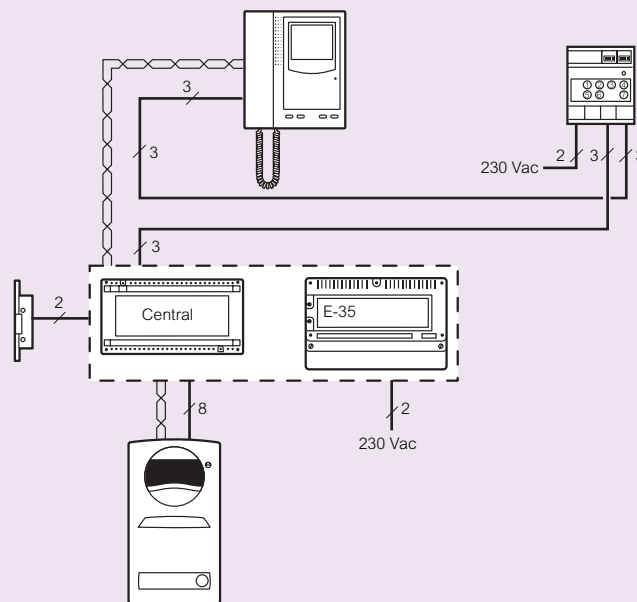
Additional internal units	
1	3744 20 Additional monitor
1	3744 42 Wall base
1	3744 20 Additional handset
Accessories for door entry systems with surface mounting street panels	
1	3759 18 Surface mounting street panel for individual house
1	3750 06 Digital central unit
1	3750 05 Power supply E-35
Accessories for door entry systems with flush-mounting street panels	
1	3650 93 Sound unit for flush-mounting panel
1	3650 97 Camera for flush-mounting panel
10	3650 02 Power supply E-32

1	036 49	<p>In One by Legrand interface PLC/door entry system interface The interface allows to control the door release from In One by Legrand system and to control scenarios from the monitor or street panel Installation on DIN rail (4 modules)</p>
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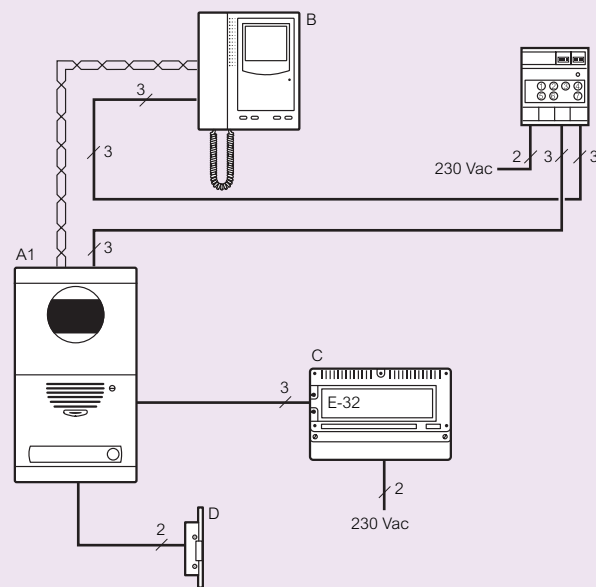
access control kits
audio and video door entry systems
for individual houses

Wiring diagrams

Video door entry system with surface mounting street panel
Cat.No 3659 34



Video door entry system with flush-mounting street panel
Cat.No 3650 34





Complete offer of audio and video door entry systems

p. 820-857

radio audio door entry system



3650 48 (See composition below)



4 main functions:

- Call from the street panel
- Door opening through the phone (push-button)
- Use of the handset as a standard telephone
- Intercommunication between internal units

In addition:

- The door can also be opened through an external push-button close to the door
- For operation with batteries or power supply, choose the corresponding kit
- For 1 entrance: possible to install up to 3 internal units
- For 2 entrances: possible to install only 2 internal units
- Call transfer on GSM or fixed telephone external to the system with possibility of door opening

Pack	Cat. Nos	Surface mounting kit for 1 apartment
		<p>Supply by batteries (wireless) Recommended for installations that require a simple installation with no damage in the walls 2 years of autonomy with 5 calls and 5 door openings per day Temperature from 0 °C to 40 °C</p> <p>Composition</p> <ul style="list-style-type: none"> - 1 DECT handset (Gap compatible) + base + charger - 1 DECT handset (Gap compatible) + charger - Plexo box (many cable entries) - Radio control interface - Accessory for batteries (4 alkaline batteries LR20, type D, 1,5 V not included) - Surface mounting street panel - Door release not included in the kit (recommended door release Cat.No 3649 10)
1	3657 80	Kit for 1 apartment

Pack	Cat. Nos	Flush-mounting kit for 1 apartment
		<p>Mains power supply Needs the intervention of a specialist for wiring Temperature from -20 °C to 40 °C</p> <p>Composition</p> <ul style="list-style-type: none"> - 1 DECT handset (Gap compatible) + base + charger - 1 DECT handset (Gap compatible) + charger - Plexo box (many cable entries) - Radio control interface - Power supply (12Vac, 1A) - Flush-mounting street panel with flush-mounting box - Door release not included in the kit (recommended: Cat.No 3749 00)
1	3650 48	Kit for 1 apartment

Pack	Cat. Nos	Accessories to create your own audio radio kit
1	3657 85	DECT handset + base + charger
1	3657 88	Plexo box (many cable entries)
1	3657 86	Radio control interface
1	3657 87	Accessory for batteries
1	3657 89	Surface mounting street panel for 1 apartment
1	3650 58	Flush-mounting street panel for 1 apartment
15	3656 01	Flush-mounting box
1	3749 00	Door release for flush-mounting street panel
1	3649 10	Door release for surface mounting street panel
1	3650 04	Power supply (E-30)

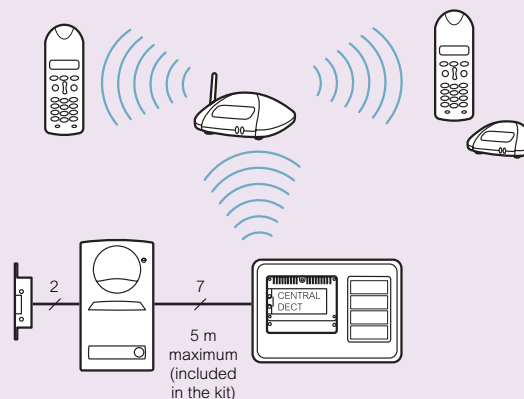
radio audio door entry system

■ Installation

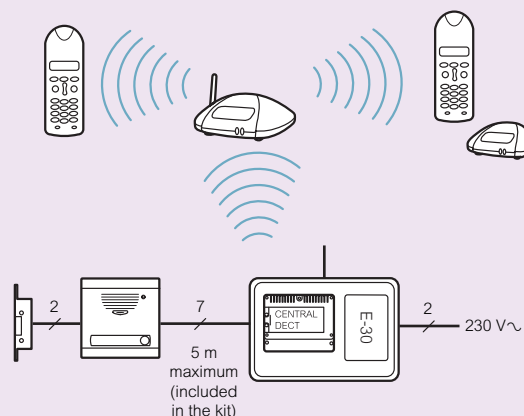
- No wires between the box and the internal unit
- Wiring between street panel and box: up to 5 meters
- Distance range: 300 m (open field)
- Very simple configuration

■ Wiring diagram

With surface mounting street panel



With flush-mounting street panel





Living scenarios

A scenario is the ability to control a set of associated electrical functions, as the user wishes, from a single control point

Controlling scenarios locally

CONTROLLING THE LIGHTING	
	<p>Cat.No 882 11 → p. 430</p>
Direct lighting for a moment of relaxation	
	<p>Cat.No 882 01 or 882 15 → p. 430</p>
Decorative lighting for a convivial atmosphere	
	<p>Cat.No 7756 40 → p. 430</p>
Subdued light for a meal with friends	

CONTROLLING LIVING IN THE HOME	
	<p>Cat.No 882 01 or 882 15 → p. 430</p>
Waking up: with a single operation the blinds are opened and the heating turned up	
	<p>Cat.No 7756 18 → p. 434</p>
Departure: with a single operation the house goes into standby mode: heating reduced, lighting turned off, etc.	
	<p>Cat.No 882 05 → p. 432</p>
Return: with a single operation the house becomes welcoming: comfort level heating, blinds open, etc.	

Controlling scenarios remotely

CONTROL OR MONITOR BY INTERNET OR MOBILE PHONE	
	<p>Heating, lights, blinds and security system, etc.</p>
	<p>The house transmits the detection (e-mail, laptop)</p>

ADVANTAGES LEGRAND

- 1 An interactive remote connection: mobile phone, Internet, e-mail
- 2 An adaptable and upgradable installation
- 3 An implementation accessible with the Omizy server, p. 436

Please contact your sales office, addresses on the back of the catalogue



7756 40 Aluminium finish



746 67 White finish



882 01



882 00



882 11

Selection chart for: Galea Life cover plates (p. 545) and frames (p. 552-553); Mosaic supports frames and cover plates (p. 644-649)

LC products can communicate with RF products by using the RF/PLC interface Cat.No 036 06 (p. 438)

Pack	Cat.Nos	PLC/IR flush-mounting controllers - 230 V 50/60 Hz	Pack	Cat.Nos	Mobile controllers
1	Galea Life 7756 40 Mosaic 746 67	<p>Lighting Scenario controller - PLC transmitter/IR receiver</p> <p>2 dedicated keys for "ON/OFF" and dimming +/- functions</p> <p>2 unassigned keys, allowing the control of a lights' group ("ON/OFF") or of two chosen light levels</p> <p>Increase the light level: long press on the upper button (marked with +)</p> <p>Decrease the light level: long press on the lower button (marked with -)</p> <p>2 wire connection - phase and neutral 230 V</p> <p>Box: min. 40 mm deep</p>	1	882 01	<p>Mobile scenario controller - IR</p> <p> Can control up to 6 scenarios by infrared technology</p> <p>LR 03 batteries supplied</p>
1	4 modules 036 12	<p>PLC modular scenario controller Lexic - 230 V 50/60 Hz</p> <p> To be installed inside the electrical switch board</p> <p>Controls up to 8 scenarios</p> <p>Each scenario can be started by direct action on the assigned key on the front panel, or remotely through auxiliary control devices (push-buttons, switches, time delay switches...)</p> <p>8 auxiliary inputs</p> <p>After a power failure, the product can detect the status changes that took place during the fault</p>	1	882 15	<p>Mobile scenario controller - IR/RF</p> <p> Can control up to 6 scenarios by infrared or radio frequency</p> <p>Back light on every push-button in order to confirm the launching of the scenario (white led = off button, blue led = scenario button)</p> <p>LR 03 batteries supplied</p>
			1	882 00	<p>Remote control scenario - IR</p> <p> Allows the IR control of:</p> <ul style="list-style-type: none"> • In One by Legrand products equipped with IR receiver • 4 scenarios • one TV <p>Automatic learning procedure</p> <p>LR 03 batteries supplied</p>
			1	882 11	<p>Universal Media Remote Control</p> <p> Allows the IR or radio frequency control of up to 10 scenarios for a general lighting control, dimmer switches, roller blinds</p> <p>Automatic learning procedure</p> <p>LR 03 batteries, cables and software supplied</p>

Lighting control functions (p. 414-417)

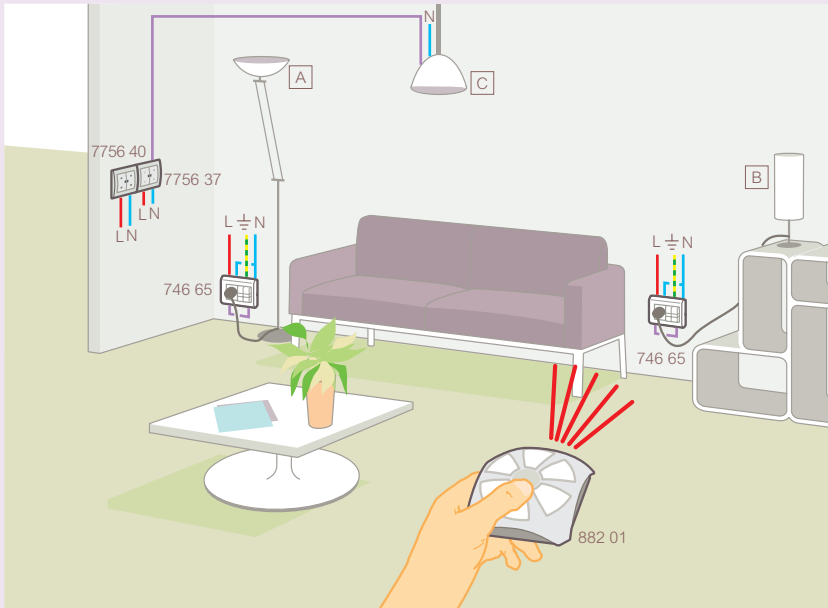
Roller blinds control (p. 420-421)



scenario controllers

power line carrier (PLC) and infrared (IR) technologies

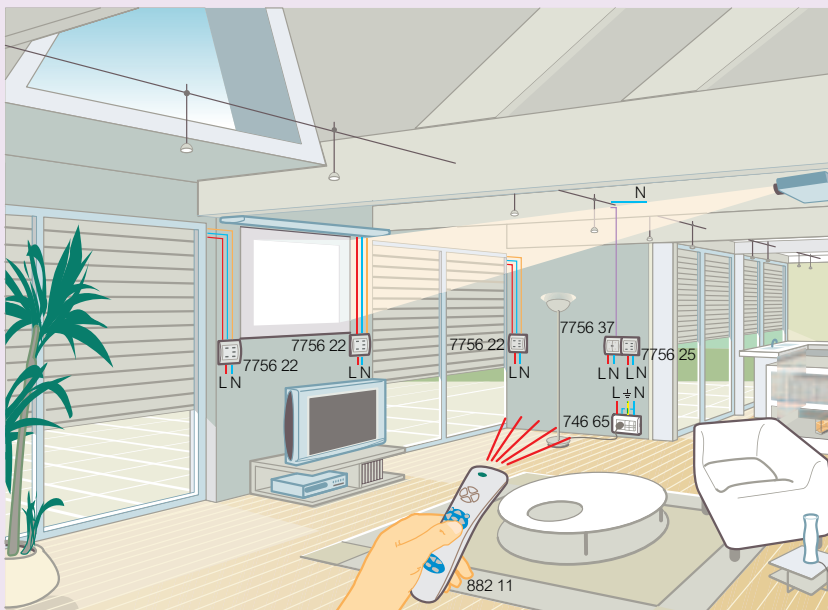
■ Example of lighting scenarios for a living room



PLC/IR solution

Equipment used:
 7756 40: Galea Life PLC/IR transmitter scenario controller
 882 01: IR transmitter mobile scenario switch
 7756 37: Galea Life PLC/IR transmitter/receiver switch dimmer
 746 65: Mosaic PLC/IR transmitter/receiver switch dimmer socket

■ Example of managing a home cinema projection room



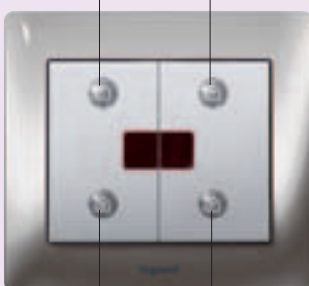
PLC/IR solution

Equipment used:
 7756 37: Galea Life PLC/IR transmitter/receiver switch dimmer
 746 65: Mosaic PLC/IR transmitter/receiver switch dimmer socket
 7756 22: Galea Life PLC/IR transmitter/receiver individual roller blinds controller
 7756 25: Galea Life PLC/IR transmitter general roller blinds controller
 882 11: radio/IR multimedia universal remote control

■ Scenario switch configuration example:

Cat.Nos 7756 40/7756 67

Lighting for coming into the room (A, B and C at 100%)
 TV evening atmosphere (A and B at 50% C at 0%)



General switch off
 Subdued atmosphere (A and B at 20%, C at 0%)

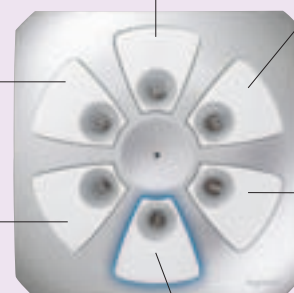
Cat.No 882 15

General control: switch on

C switched off

TV evening atmosphere: (A and B at 30%, C at 0%)

Neutral atmosphere: (A, B and C at 70%)



Dining atmosphere: (A and B at 50%, C at 100%)

General control: switch off



7756 16 Aluminium finish



746 63 White finish



882 09



882 15



882 05



882 11

Selection chart for: Galea Life cover plates (p. 545) and frames (p. 552-553); Mosaic supports frames and cover plates (p. 644-649)

RF products can communicate with PLC products by using the RF/PLC interface Cat.No 036 06 (p. 438)

Pack	Cat.Nos	RF controllers
1	Galea Life 7756 16 Mosaic 746 63	Lighting scenario controller transmitter RF <p>2 dedicated keys for "ON/OFF" and dimming +/- functions 2 unassigned keys, allowing the control of a lights group ("ON/OFF") or of chosen light level Increase the light level: long press on the upper button (marked with +) Decrease the light level: long press on the lower button (marked with -) 1 lithium battery 3V CR 2032 Direct installation onto the wall, without flush-mounting box</p>

1	882 09	RF movement detectors Allows the radio frequency control of In One by Legrand products Scenario launch following a movement detection in the assigned area LR 03 batteries supplied Movement detector for indoor use <p>Temporization: 6 s to 16 min Detection range: max. 12 m Horizontal detection angle: 90°</p>
1	Plexo 882 10	Weatherproof movement detector IP 55 <p>Luminosity threshold: 10 to 4 000 lux Temporization: 6 s to 16 min Detection range: max. 16 m Horizontal angle: 180°</p>

Pack	Cat.Nos	Mobile controllers
1	882 15	Mobile scenario controller - RF and IR <p>Can control up to 6 scenarios by infrared or radio frequency Back light on every push-button in order to confirm the launching of the scenario (white led = off button, blue led = scenario button) LR 03 batteries supplied</p>
1	882 05	Pocket scenario controller - RF <p>Can control up to 4 scenarios 1 lithium battery 3V CR 2032, supplied For indoor or outdoor use</p>
1	882 11	Universal Media Remote Control <p>Allows the IR or radio frequency control of up to 10 scenarios for general lighting control, dimmer switches, roller blinds Automatic learning procedure LR 03 batteries, cables and software supplied</p>

1	Plexo 695 05	RF weatherproof push-buttons Allows the radio frequency control of 1 lighting scenario LR 03 batteries supplied <p>Plexo push-button - IP 55 Surface-mounting with Plexo box Cat.No 696 51 Flush-mounting with Plexo support frame Cat.No 696 81 and Batibox min. 50 mm deep (p. 588)</p>
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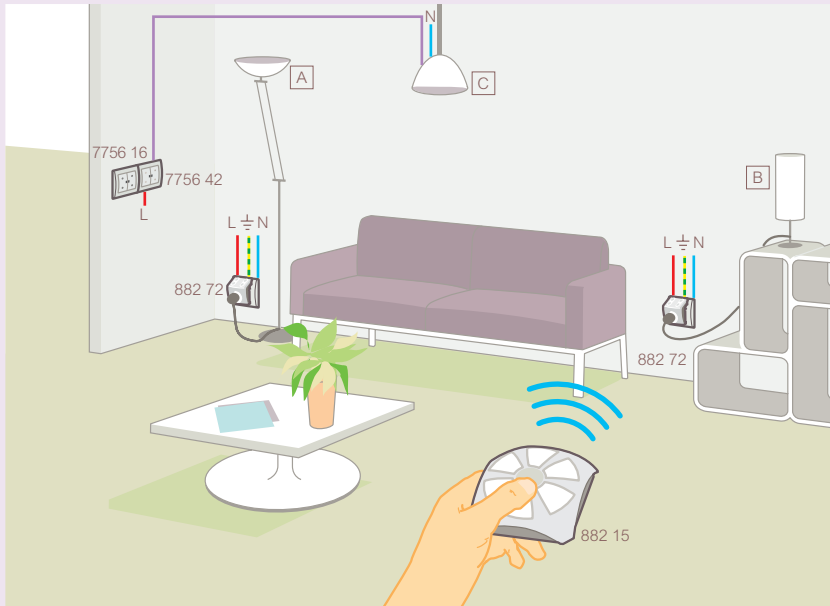
RF lighting control functions (p. 418)

Roller blinds control (p. 420)



scenario controls radio (RF) technology

■ Example of lighting scenarios for a living room

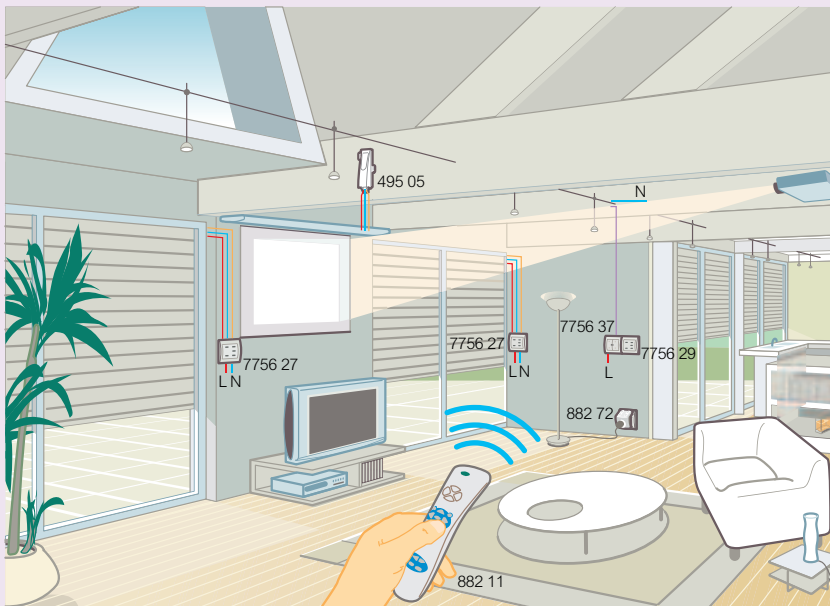


Radio solution

Equipment used:

- 7756 16: Galea Life radio transmitter scenario controller
- 882 04: radio transmitter mobile scenario controller
- 7756 42: Galea Life radio receiver switch dimmer
- 882 72 or 882 73: radio receiver mobile switch dimmer socket

■ Example of managing a home cinema projection room



Radio solution

Equipment used:

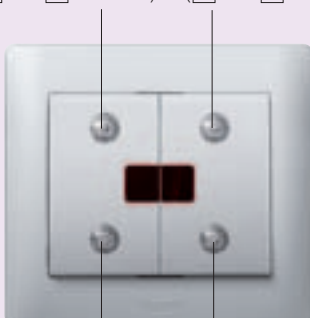
- 7756 42: Galea Life radio receiver switch dimmer
- 882 72 or 882 73: radio receiver mobile switch dimmer socket
- 495 05: radio receiver weatherproof individual roller blinds controller
- 7756 27: Galea Life radio receiver individual roller blinds controller
- 7756 29: Galea Life radio transmitter general roller blinds controller
- 882 11: radio/IR multimedia universal remote control

■ Scenario switch configuration example:

Cat.Nos 7756 16/746 63

Lighting for coming into the room ([A], [B] and [C] at 100%)

TV evening atmosphere ([A] and [B] at 50% [C] at 0%)



General switch off

Subdued atmosphere ([A] and [B] at 20%, [C] at 0%)

Cat.No 882 15

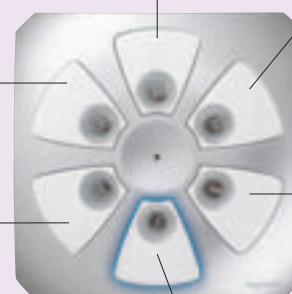
General control: switch on

[C] switched off

TV evening atmosphere: ([A] and [B] at 30%, [C] at 0%)

Neutral atmosphere: ([A], [B] and [C] at 70%)

Dining atmosphere: ([A] and [B] at 50%, [C] at 100%)



General control: switch off



7756 18 Aluminium finish



036 12



7756 45 Aluminium finish



695 06

Selection chart for Galea Life cover plates (p. 545) and frames (p. 552-553); Mosaic supports frames and cover plates (p. 644-649)

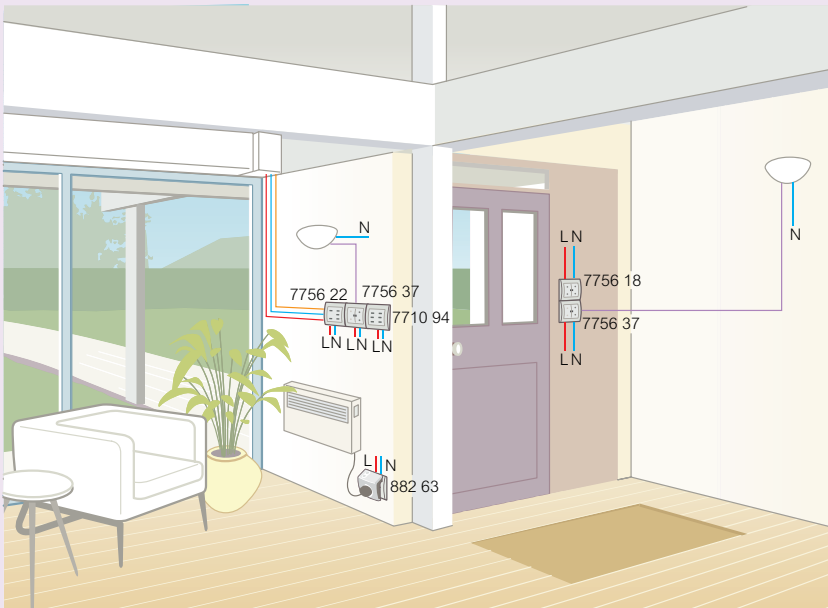
PLC products can communicate with RF products by using the RF/PLC interface Cat.No 036 06 (p. 438)
Allow the remote control of all the functions (lighting, roller blinds, heating) which are equipped with PLC, IR or RF receivers

Pack	Cat.Nos	PLC/IR flush-mounting controllers
1	Galea Life 7756 18 Mosaic 746 55	Scenario controller - PLC transmitter/IR receiver Can control 4 different scenarios without action indicator 2 wire connection - phase and neutral 230 V Box: min. 40 mm deep
1	Galea Life 7756 45	RF controllers Scenario controller - transmitter RF Can control 4 lighting scenarios 1 lithium battery 3 V CR 2032 supplied Direct installation onto the wall, without flush-mounting box
1	4 modules 036 12	PLC modular scenario controller Lexic To be installed inside the electrical switchboard Controls up to 8 scenarios Each scenario can be started by direct action on the assigned key on the front panel, or remotely through auxiliary control devices (push-buttons, switches, time delay switches...) 8 auxiliary inputs After a power failure, the product can detect the status changes that took place during the fault
1	Plexo 695 06	Weatherproof scenario controller - transmitter RF Allows the control of 4 scenarios surface-mounting - IP 55 with Plexo box Cat.No 696 51 Flush-mounting - IP 44 with Plexo support frame Cat.No 696 81 and Batibox min. 50 mm deep (p. 588) 1 lithium battery 3 V CR 2032 supplied

Pack	Cat.Nos	Mobile controllers
1	882 01	Mobile scenario controller - IR Can control up to 6 scenarios by infrared technology LR 03 batteries supplied
1	882 15	Mobile scenario controller - IR/RF Can control up to 6 scenarios by infrared or radio frequency Back light on every push-button in order to confirm the launching of the scenario (white led = off button, blue led = scenario button) LR 03 batteries supplied
1	882 00	Remote control scenario - IR Allows the control of: <ul style="list-style-type: none"> In One by Legrand products equipped with IR receiver 4 scenarios one TV Automatic learning procedure LR 03 batteries supplied
1	882 05	Pocket scenario controller - RF Can control up to 4 scenarios 1 lithium battery 3V CR 2032 supplied For indoor or outdoor use
1	882 11	Universal media remote control Allows the IR or radio frequency control of up to 10 scenarios for general lighting control, dimmer switches, roller blinds Automatic learning procedure LR 03 batteries, cables and software supplied
1	882 22	Media server UPNP Allows the control of up to 10 scenarios Can be used in order to connect different equipments (TV, home cinema, amplifier...) to the home multimedia network Allows: - distribution of digital audio and video files from one PC connected to the same network - web surfing - displaying the pages of the Omizy home server Cat.No. 493 92 (p. 436) Remote control, cables and software supplied Power supply: 230 V

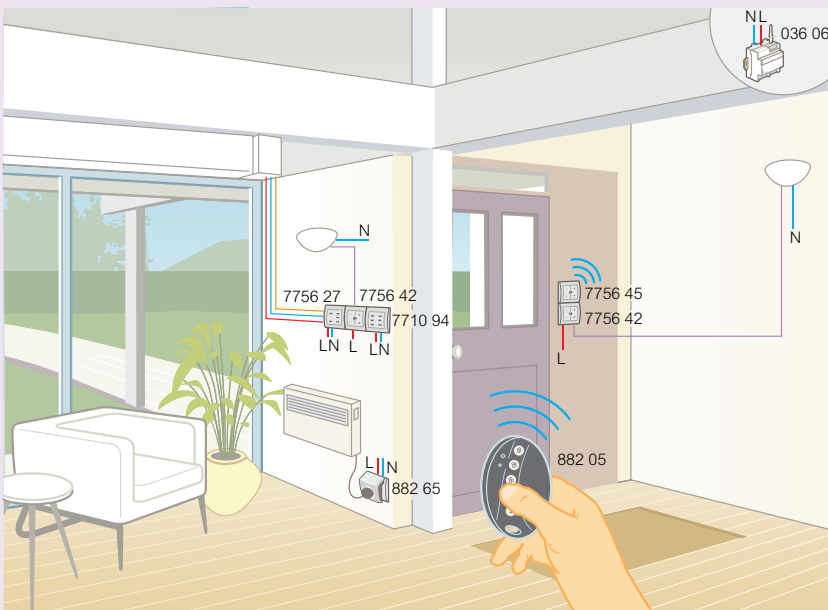
example of scenario when living home

■ Example of scenario when living home



Solution with: PLC/IR technology, Galea Life range

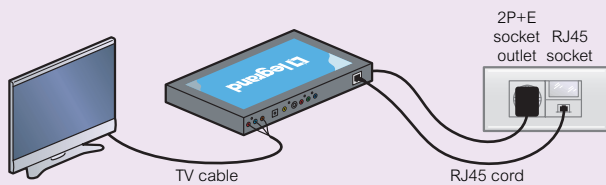
Equipment:
 7756 18 PLC/IR scenario controller
 7756 37 PLC/IR switch dimmer
 7756 22 PLC/IR individual roller blinds control
 7710 94 PLC/IR standard thermostat
 882 63 PLC/IR mobile switched socket outlet



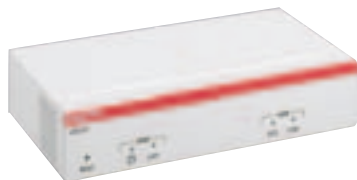
Solution with: RF technology, Galea Life range

Equipment:
 7756 45 RF scenario controller
 7756 42 RF switch dimmer
 7756 27 RF individual roller blinds control
 7710 94 PLC/IR standard thermostat
 882 65 RF mobile switched socket outlet
 036 06 PLC/IR bidirectional interface
 882 05 RF pocket scenario controller

■ Connection of the media server (connection cables supplied)



The media server is compatible with all the notorious brands of multimedia solutions (UPnP protocole)




493 92



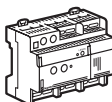
036 18



Technical characteristics (p. 437)

Pack	Cat.Nos	Omizy internet home server
1	493 92	<p>The internet home server allows the following operations, via any usual product equipped with a web browser (PC, telephone, pocket PC...) or directly linked to the server (Internet, Wi-Fi, GPRS):</p> <ul style="list-style-type: none"> - control the specific home functions such as: lighting, roller blinds, heating and technical alarms The user can exercise a direct control of all the previously mentioned functions or can set a programme for an automatic control - automatic forwarding of messages (text and images) to an e-mail address or to a mobile phone (GPRS, I-mode and 3G) in case of detection of an unwanted event at home - remotely: visualize and change the current status of the home functions, launch scenarios, monitor the different areas inside home through net cams <p>The remote access to the server is completely secure</p> <p>Omizy internet home server</p>  <p>The server must be connected to:</p> <ul style="list-style-type: none"> - power supply - 230 V - local area (home) network (LAN) <p>through a switch in order to allow the data to be exchanged with a PC and with the Internet</p> <p>Installation guide, software, mains cable and transformer supplied</p>

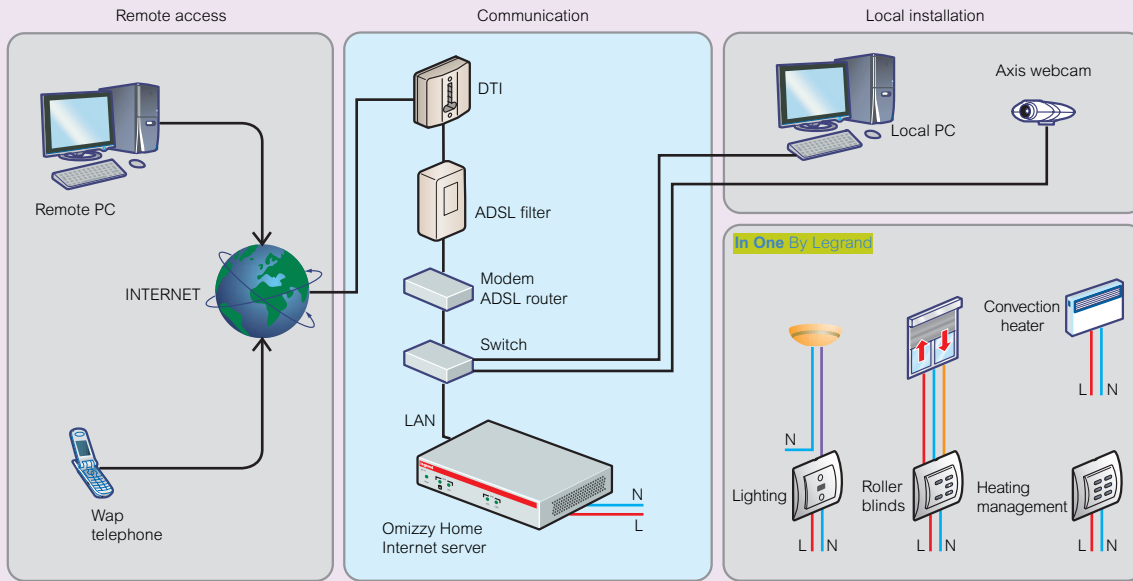
Pack	Cat.Nos	Accessories
1	882 13	<p>Interface USB-PLC In One by Legrand</p> <p>Solution available on demand: consisting of 1 USB/PLC interface and 1 CD containing the required software</p> <p>It can be used as a start point for the technical management of an installation equipped with In One by Legrand products</p> <p>Please consult us for more detailed information</p>

Pack	Cat. Nos	In One by Legrand IP axiophone
1	036 18	 <p>To be installed inside an electric switchboard (size 6 modules)</p> <p>Power supply: 230 V</p> <p>Has to be connected to the LAN (RJ socket)</p> <p>Allows the control of 10 scenarios and can relay the information of 5 events</p> <p>Compatible with any product of the market equipped with web browser (PC, mobile phone, PDA...) and connected to the internet (fixed internet connection or mobile version like Wi-Fi)</p> <p>Can directly control PLC products and has to be used with RF/PLC interface (Cat.No 036 06) in order to control RF versions</p> <p>Allows the displaying of any messages with its "Free text" zone (on its first page)</p>



scenario control over internet power line carrier (PLC) technology

■ Principle for installing the Omizzy Internet server



Optimum integration of the Omizzy home Internet server into the communication distribution boxes (p. 446)

■ Principle for using the Omizzy Internet server

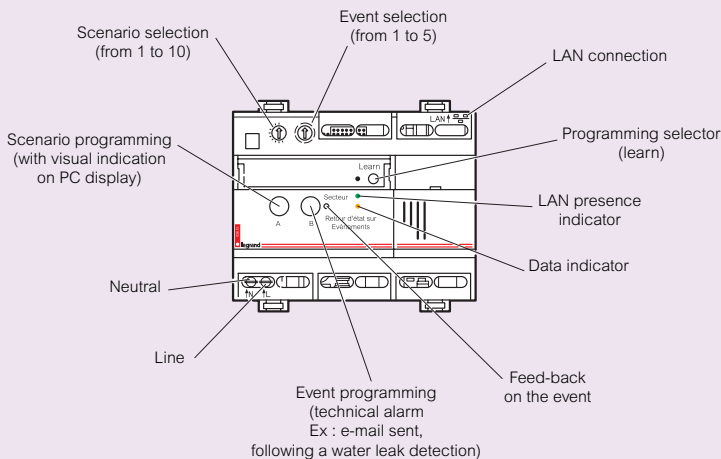


Secure home page screen giving access locally or remotely via the Internet for controlling the installation



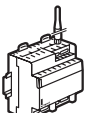
Screen for controlling devices **In One by Legrand** : lighting, windows and doors, heating, etc.





Cameras are used to view the inside of the home at the user's request or automatically when an alarm is triggered (intrusion or detection)

■ Appearance of the Axiophone





Pack	Cat.Nos	Interfaces - 230 V 50/60 Hz
1	4 modules 036 00	PLC modular multifunction switch - Lexic  <p>Can control up to 2 circuits in 4 different modes: push-button, switch, latching relay, and time switch (5 mn to 3 h) As receiver executes the orders received from other PLC switches or from any scenario controller (p. 430-434) Maximum loads (p. 417)</p>
1	4 modules 036 12	PLC modular scenario controller Lexic  <p>To be installed inside the electrical switchboard Controls up to 8 scenarios Each scenario can be started by direct action on the assigned key on the front panel or remotely through auxiliary control devices (push-buttons, switches, time delay switches...) 8 auxiliary inputs After a power failure, the product can detect the status changes that took place during the fault</p>
1	4 modules 036 06	PLC / IR bidirectional interface  <p>Allows the communication between all the products of the same installation whatever their technology PLC or RF</p>

Pack	Cat.Nos	Accessories
1	4 modules 036 09	 <p>Input filter 230 V 63 A Allows the isolation of the whole installation, or of some areas of the same installation The input filter is used when the electric network is disturbed by external sources or in case of interference with other mains borne signalling systems, in order to ensure complete isolation</p>
1	2 modules 036 08	 <p>Phase coupler 400 V Has to be used for three phase installations Ensures that signals pass between the different phases The products can communicate between them whatever the phase they are linked to It is installed in the consumer unit downstream of the input filters (Cat.No 036 09)</p>
1	882 12	 <p>Isolating filter for socket Allows the isolation of a mobile product from the rest of the installation</p>
1	882 21	<p>1 000 W filter</p>  <p>Has to be used to filter electro-magnetic perturbations generated by electronic loads Allows to increase the impedance of the electric network Has to be installed as close as possible to the perturbation source (for example suspended ceiling)</p>

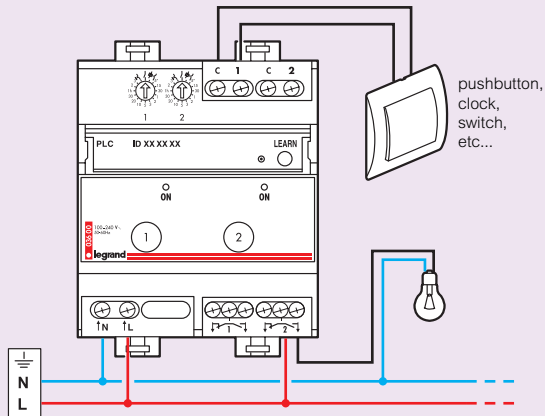


interfaces and installation accessories

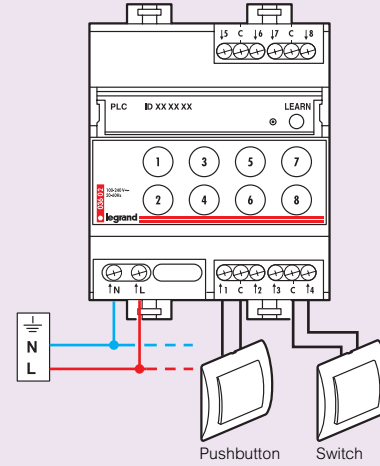
power line carrier (PLC) and radio (RF) technologies

■ Connection principle

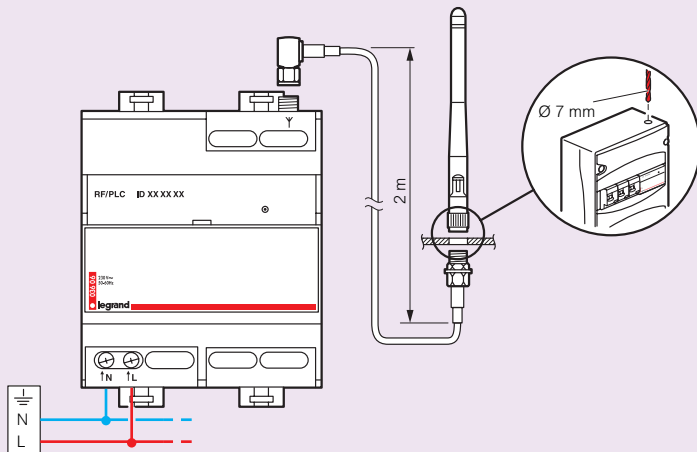
Modular multifunction switch (Cat.No 036 00)
with potential-free contact/PLC interface



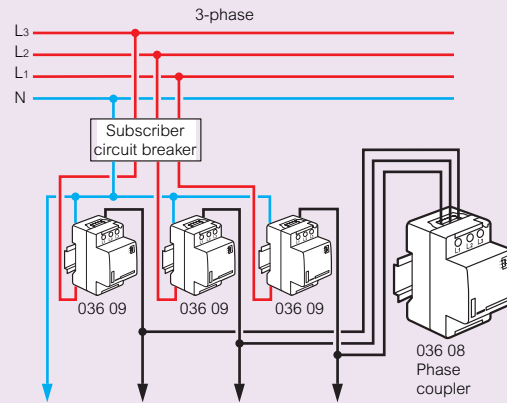
Modular scenario switch (Cat.No 036 12)
with potential-free contact/PLC interface



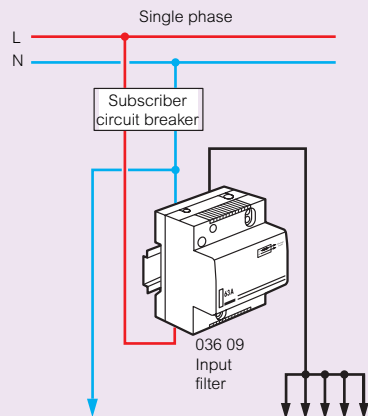
Modular PLC/Radio interface (Cat.No 036 06)



Phase coupler (Cat.No 036 08)



Modular input filter (Cat.No 036 09)



Communication: select your network

Today, new multimedia equipment requires networks capable of meeting the increasing number of communication needs in the home (TV, Internet, telephone, network games, etc.) Legrand offers 2 solutions which fit perfectly into the infrastructure of the home

Systems

MIXED NETWORK

This can be used to:

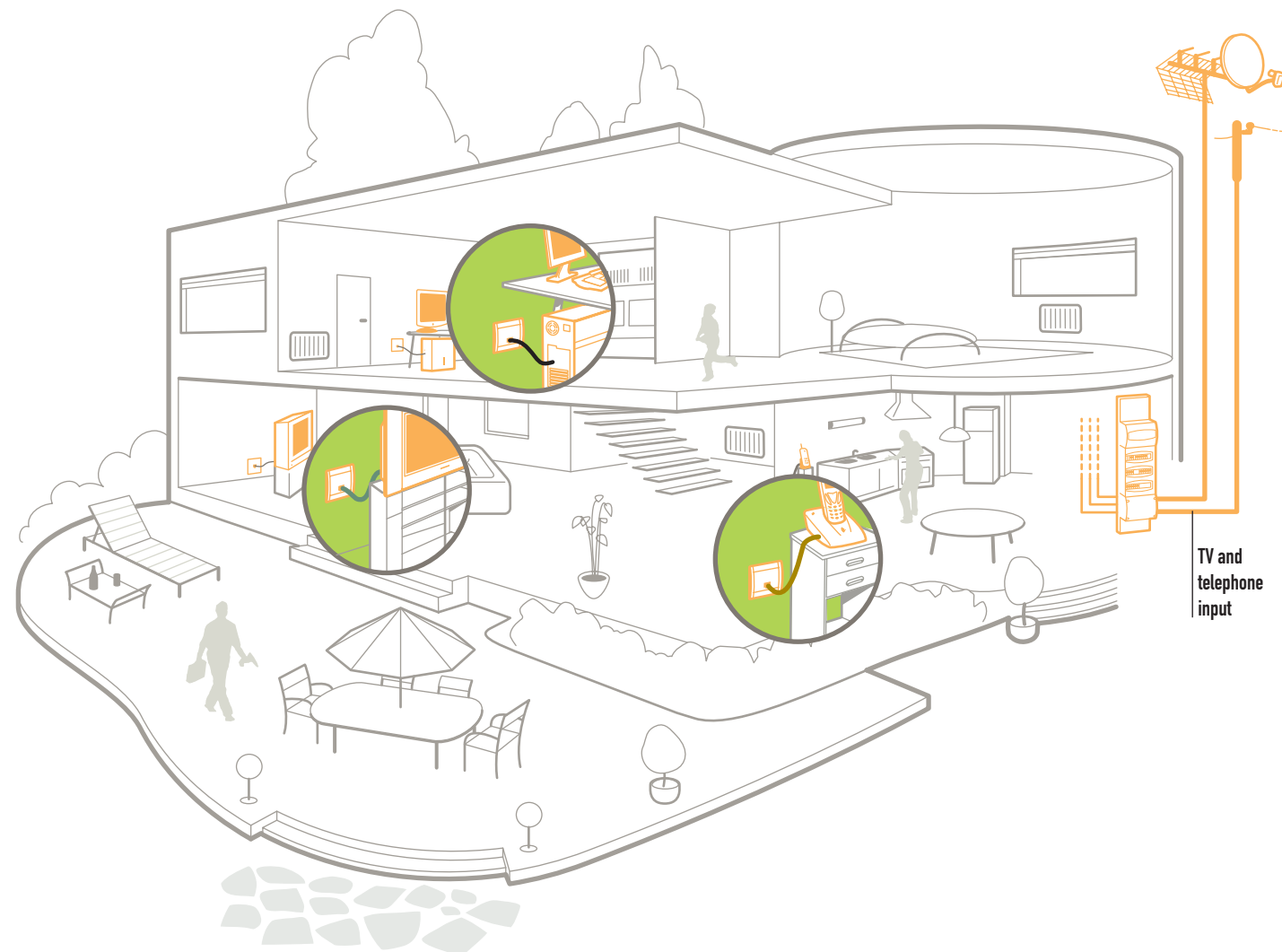
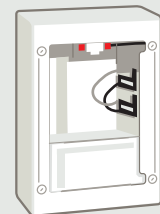
- Distribute telephone
- Distribute television
- Provide a computer network (for data exchange, network games, sharing a network printer or Internet access)

• PRODUCTS SYSTEM

- RJ 45 sockets for connecting a computer, printer or telephone
- TV-FM-SAT sockets for connecting a TV and digital terminals (decoders, etc.)
- Communication distribution box with manual assignment of media

• ADVANTAGES

- A computer network for exchanging information throughout the house



OPTIMUM NETWORK

This can be used to:

- Distribute telephone
- Distribute television
- Provide a computer network
- Facilitate exchanges between audiovisual and computer networks. Example: listening on the Hi-Fi system in the lounge, to music stored on a computer or a Media Centre PC

• PRODUCTS SYSTEM

- Multipurpose RJ 45 sockets for connecting any media
- Communication distribution boxes: manual assignment of media

• ADVANTAGES

- A single socket type for connecting all media
- Full adaptability of the installation



+ Mixed network (cable and socket types and complete equipment list), see p. 444 and 445

+ Optimum network (cable and socket types and complete equipment list), see p. 442 and 443



optimum network

full RJ 45: internet, telephone and TV

		NUMBER OF SOCKETS			
RJ 45 SOCKET (for telephone, data and TV)					
RJ 45 Cat. 6 STP - Galea Life		7758 40	<input type="text"/>	<input type="text"/>	
		Total	<input type="text"/>	<input type="text"/>	
		1 to 24			
RJ 45 CONNECTION					
	Residential multimedia cable LSZH - FTP for satellite TV signals - delivered in reel of 250 m	Satellite on RJ 45		327 79	
	RJ 45/RJ 45 SFTP Cat. 6 patch lead - computer 2 m - network 3 m			517 53 517 54	
	RJ 11/RJ 45 patch cord to connect a telephone			516 94	
	IEC Ø9.52 mm/RJ 45 patch cord to connect a TV set			516 93	
	Type F/RJ 45 patch cord to connect a decoder			516 92	
COMMUNICATION CABINETS TO BE EQUIPPED					
FLUSH-MOUNTING CABINETS		For 1 to 20 RJ 45			
	Nedbox communication cabinet with white plastic door			329 61	
	Nedbox communication cabinet with white metallic door			329 62	
SURFACE-MOUNTING CABINETS		For 1 to 8 RJ 45	For 9 to 16 RJ 45	For 17 to 24 RJ 45	
	Communication cabinet	329 10	329 11	329 12	
	White door	013 32	013 33	016 33	
	Transparent door	013 42	013 43	016 43	
EQUIPMENT FOR TV DISTRIBUTION					
	TV on RJ 45 splitter LCS block			327 15	
	CA TV on RJ 45 splitter LCS block, allows the return path (internet modem); takes 2 block spaces			327 14	
	Satellite TV on RJ 45 splitter LCS block; takes 2 block spaces			327 19	
	2-way cable TV coaxial splitter			739 85	
EQUIPMENT FOR DATA DISTRIBUTION					
	4-port 10/100 Mbps data switch LCS block			327 13	
	5-port 10/100 Mbps mobile data switch			332 93	
	8-port 10/100 Mbps mobile data switch			332 91	
EQUIPMENT FOR TELEPHONE DISTRIBUTION					
	8-port RJ 45 POTS telephone splitter (up to 2 telephone lines)			327 34	
	8-port RJ 45 ISDN telephone splitter			327 16	
	Master ADSL on POTS splitter			329 82	
	Master ADSL on ISDN splitter			329 79	
EQUIPMENT TO ASSIGN A MEDIA TO A SOCKET					
	4 RJ 45 connector STP LCS block		327 12		
	Patch cord 0.30 m		517 56		
	Patch cord 0.60 m		517 51		
	Patch panel for 3 LCS blocks				329 14 ⁽¹⁾
POWER SUPPLY UNITS					
	Mosaic 2P + ± socket (French standart)	741 11	741 11		
	3 x 2P + ± power supply unit (German standart)				329 88 ⁽¹⁾
	Empty unit to be equipped with Mosaic sockets				329 90 ⁽¹⁾

(1) For 329 12 cabinet only



optimum network

equipment for communication cabinets



327 34



327 15



327 14



Installation principles and technical characteristics (p. 448-449)

The Optimum network is allowing the telephone, television and data distribution on multipurpose RJ 45 sockets inside the entire home
 Telephone : POTS, ISDN, ADSL
 Television: analog Hertzian, digital terrestrial, TV-cable, xDSL
 Ideal for triple-play applications
 Up to 24 multipurpose RJ 45 sockets, depending on the size of the multimedia cabinet

Pack	Cat.Nos	Equipment for Optimum networks
1	327 34	Equipment for incoming telephone distribution Telephone LCS distribution block for POTS lines Equipped with 8 RJ 45 connectors, for distributing telephone to 8 handsets or to 4 handsets per line (if 2 telephone lines) Fits on patch panel 329 14 (for distribution box 329 12 or 329 81) or directly onto distribution boxes 329 10/11
NEW		
1	327 16	Telephone LCS distribution block for ISDN line. Equipped with 8 RJ 45 ISDN connectors Fits on patch panel 329 14 (for distribution box 329 12 or 329 81) or directly onto distribution boxes 329 10/11
1	329 82	Master ADSL splitter for POTS lines
1	329 79	Master ADSL splitter for ISDN lines
		Equipment for television distribution on RJ 45 sockets RJ 45 TV distribution blocks Capacity: 1 coaxial type F input and 4 x RJ 45 outputs Supplied with 2 RJ 45 to IEC 9,52 mm cords for connecting TV to RJ 45 sockets, and 1 RJ 45 to F cord for connecting a set-top box to a RJ 45 socket Requires SSTP cable and STP RJ 45 sockets
1	327 15	Splitter and cords to RJ 45 sockets Suitable for Hertzian and TV-cable distribution For links between 5m and 32m Bandwidth: 47 MHz to 862 MHz
1	327 14	Splitter and cords to RJ 45 sockets Suitable for Hertzian and TV-cable distribution, interactive TV, internet and telephone access on coaxial cable, with a return path between 5 and 65 MHz For links between 5m and 25m Bandwidth: 47 MHz to 862 MHz Size: 2 LCS blocks
NEW		
1	327 19	Splitter and cords to RJ 45 sockets Suitable for hertzian and satellite distribution signals For links between 5 m and 25 m Bandwidth: 47 - 2 150 MHz Size: 2 LCS blocks
5	739 85	Two-way splitter: TV-cable / internet access To be used with 327 15 in order to upgrade the installation to an internet access via TV coaxial cable 1 output to 327 15 and 1 output to the cable modem router

Pack	Cat.Nos	Equipment for Optimum networks (continued)
		Equipment for data networking on RJ 45 To be used in order to create a data network between computers, printers, game machines Added to a modem router, the data switches also enables to share internet access
1	327 13	Block switch with 4 RJ 45 10/100 Mbps ports Fits directly onto the metal frames of the cabinet 1 additional port at the rear to connect to a modem-router or to another switch
1	332 93	Mobile switch with 5 RJ 45 10/100 Mbps STP ports, for placing on shelf Power supply unit with transformer provided Dimensions: 116 x 70 x 215
1	332 91	Mobile switch with 8 RJ 45 10/100 Mbps STP ports, for placing on shelf Power supply unit with transformer provided Dimensions: 171 x 98 x 29
		Complementary equipment To be used in order to affect an application to a socket outlet
3	327 12	LCS connection block with 4 RJ 45 - STP, Cat. 6 (for all-RJ 45 installation)
5	517 56	Multimedia patch cord 0.3 m
5	517 51	Multimedia patch cord 0.6 m
		DIN Rail adaptors Can be used in order to install RJ 45 active blocks (splitter and switch) and LCS blocks inside power distribution cabinets Depending on the type of cabinet some mechanical aspects should be taken into consideration (e.g. closing the door if too many patch cords are used)
NEW		
1	329 59	For LCS blocks DIN rail adaptor
1	329 58	For LCS active products 1 set for up to 4 active products (switch and TV on RJ 45 splitters) Composition: • 1 power supply (2 A) for 4 active products (block TV splitter, block data switch) • 2 DIN rail adaptors for LCS blocks

Communication cabinets (p. 446)



mixed networks

internet and telephone on RJ45, TV on coaxial cable

		NUMBER OF SOCKETS		
TELEVISION SOCKETS				
TV-FM-SAT socket for coaxial cable Galea Life		7757 89 <input type="text"/>		
RJ 45 SOCKETS (for telephone and data)				
RJ 45 category 5e UTP Galea Life		7757 61 <input type="text"/>		
		Total		
		1 to 24		
RJ 45 CONNECTION				
	4 pair Cat. 5 F/UTP PVC cable, LSZH - delivered on 305 m coil in cardboard box	327 51		
	RJ 45/RJ 45 UTP Cat. 5 patch cord - computer 2 m - network printer 3 m	516 37 516 38		
	RJ 11/RJ 45 patch cord to connect a telephone	516 94		
COMMUNICATION CABINETS TO BE EQUIPPED				
FLUSH-MOUNTING CABINETS		For 1 to 20 RJ 45		
	Nedbox communication cabinet with white plastic door	329 61		
	Nedbox communication cabinet with white metallic door	329 92		
SURFACE MOUNTING CABINETS		For 1 to 8 RJ 45 1 to 4 TV sockets	For 9 to 16 RJ 45 1 to 4 TV sockets	For 17 to 24 RJ 45 1 to 6 TV sockets
	Communication cabinet	329 10	329 11	329 12
	White door	013 32	013 33	016 33
	Transparent door	013 42	013 43	016 43
EQUIPMENT FOR TV DISTRIBUTION: ANALOG AERIAL, DIGITAL AERIAL, SATELLITE				
	2-way cable TV coaxial splitter	739 80		
	4-way cable TV coaxial splitter	739 82		
	6-way cable TV coaxial splitter	739 83		
	2-way cable TV coaxial coupler	739 70		
EQUIPMENT FOR DATA DISTRIBUTION				
	4-port 10/100 Mbps data switch LCS block	327 13		
	5-port 10/100 Mbps mobile data switch	332 93		
	8-port 10/100 Mbps mobile data switch	332 91		
EQUIPMENT FOR TELEPHONE DISTRIBUTION				
	8-port RJ 45 POTS telephone splitter (up to 2 telephone lines)	327 34		
	8-port RJ 45 ISDN telephone splitter	327 16		
	Master ADSL on POTS splitter	329 82		
	Master ADSL on ISDN splitter	329 79		
EQUIPMENT TO ASSIGN A MEDIA TO A SOCKET				
	4 RJ 45 connector cat. 5e UTP LCS block	327 30		
	Patch cord cat. 5e 0.30 m	516 90		
	Patch cord cat. 5e 0.60 m	517 45		
	Patch panel for 3 LCS blocks			329 14 ⁽¹⁾
POWER SUPPLY UNITS				
	Mosaic 2P + socket (French standart)	741 11	741 11	
	3 x 2P + power supply unit (German standart)			329 88 ⁽¹⁾
	Empty unit to be equipped with Mosaic sockets			329 90 ⁽¹⁾

(1) For 329 12 cabinet only

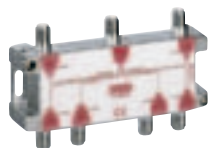


mixed network

équipement for communication cabinets



327 34



739 83



910 02



Installation principles and technical characteristics (p. 448-449)

The Mixed network is allowing the telephone and data distribution on RJ 45 sockets and the television on coaxial sockets

Telephone and data: POTS, ISDN, ADSL on RJ 45 sockets

Television: satellite, analog terrestrial, digital terrestrial, TV-cable on coaxial sockets

Up to 24 multipurpose RJ 45 sockets, and 6 TV sockets, depending on the size of the multimedia cabinet

Pack	Cat.Nos	Equipment for Mixed networks
1	327 34	Equipment for incoming telephone distribution Telephone LCS distribution block for POTS lines Equipped with 8 RJ 45 connectors, for distributing telephone to 8 handsets or to 4 handsets per line (if 2 telephone lines) Fits on patch panel Cat.No 329 14 (for distribution box Cat.Nos 329 12 or 329 81) or directly onto distribution boxes Cat.Nos 329 10/11
NEW		
1	327 16	Telephone LCS distribution block for ISDN lines Equipped with 8 RJ 45 ISDN connectors Fits on patch panel Cat.No 329 14 (for distribution box Cat.Nos 329 12 or 329 81) or directly onto distribution boxes Cat.No 329 10/11
1	329 82	Master ADSL splitter for POTS lines
1	329 79	Master ADSL splitter for ISDN lines
		Equipment for television distribution on coaxial cable 2400 MHz Zamac nickel shielding
5	739 80	TV splitter, 2 type "F" outputs
5	739 82	TV splitter, 4 type "F" outputs
1	739 83	TV splitter, 6 type "F" outputs
1/10	910 02	TV splitter, Ø 9.52 shielded 1 male input - 2 female outputs
		Equipment for data networking To be used in order to create a data network between computers, printers, game machines Added to a modem router, the data switches also enables to share internet access
1	332 93	Mobile switch with 5 RJ 45 10/100 Mbps STP ports, for placing on shelf Power supply unit with transformer provided Dimensions: 116 x 70 x 215
1	332 91	Mobile switch with 8 RJ 45 10/100 Mbps STP ports, for placing on shelf Power supply unit with transformer provided Dimensions: 171 x 98 x 29
1	327 13	Block switch with 4 RJ 45 10/100 Mbps ports Fits directly onto the metal frames of the cabinet 1 additional port at the rear to connect to a modem-router or to another switch

Pack	Cat.Nos	Equipment for Mixed networks (continued)
		Complementary equipment To be used in order to affect an application to a socket outlet
3	327 30	LCS connection block with 4 RJ 45 - UTP, Cat. 5e
3	327 31	LCS connection block with 4 RJ 45 - FTP, Cat. 5e
5	517 56	Multimedia patch cord 0.3 m
5	517 51	Multimedia patch cord 0.6 m
5	516 90	Patch cord 0.3 m - UTP Cat. 5e
5	517 45	Patch cord 0.6 m - UTP Cat. 5e
5	516 91	Patch cord 0.3 m - FTP Cat. 5e
5	517 17	Patch cord 0.6 m - FTP Cat. 5e
		DIN Rail adaptor Can be used in order to install RJ 45 active and LCS blocks inside power distribution cabinets Depending on the type of cabinet some mechanical aspects should be taken into consideration (e.g. closing the door if too many patch cords are used)
NEW		
1	329 59	For LCS blocks DIN rail adaptor
5	329 58	For LCS active products 1 set for up to 4 active products (switch) Composition: • 1 power supply (2 A) for 4 active products • 2 DIN rail adaptors for LCS blocks



Communication cabinets for mixed networks

see p. 446



optimum and mixed networks

communication cabinets with manual assignment of media



329 62



329 10



329 11 equipped with transparent door and LCS blocks



329 81

Installation principles and technical characteristics (p. 448-449)

Enable users to watch television whenever they want, and connect computers together in a network to play games, share a printer or exchange files
 Enable users to connect to the Internet from any room and access the telephone in all rooms
 Communication distribution boxes with manual assignment of media for each socket

Pack	Cat.Nos	Flush-mounting cabinets
		To be equipped for Optimum or Mixed network, according to the selection charts (p. 442 and 444) Capacity: up to 20 multipurpose RJ 45 sockets Equipped with: <ul style="list-style-type: none"> • 2 metallic frames used to clip the LCS blocks • 1 board (265 x 237 mm) used to support a TNR, or a modem router, an ADSL filter • 1 DIN rail (90 mm) • 3 german standard sockets • 1 mounting kit for dry walls Class II - IP 30 - IK 05
1	329 61	Nedbox communication cabinet with white plastic door
1	329 62	Nedbox communication cabinet with white metal door

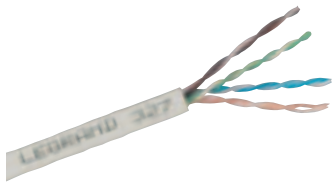
Pack	Cat.Nos	Surface mounting cabinets
		To be equipped for Optimum or Mixed network, according to the selection charts (p. 442 and 444) Door not supplied
1	329 10	For 8 multipurpose RJ 45 sockets Equipped with: <ul style="list-style-type: none"> • 1 metallic frame used to clip 2 active LCS blocks and 2 RJ 45 blocks • 1 shelf (180 x 125 x 35 mm) for active products (switch, modem, etc) • 2 support frames for Mosaic sockets • 1 DIN rail
1	329 11	For 16 multipurpose RJ 45 sockets Equipped with: <ul style="list-style-type: none"> • 1 metallic frame used to clip 2 active LCS blocks and 2 RJ 45 blocks • 1 shelf (180 x 125 x 35 mm) for active products (switch, modem, etc) • 2 support frames for Mosaic sockets • 1 DIN rail
1	329 12	For 24 multipurpose RJ 45 sockets Equipped with: <ul style="list-style-type: none"> • 1 shelf for active products (switch, modem, etc) • 1 DIN rail • 4 rail adaptors (Cat.No 364 78) To be equipped with: <ul style="list-style-type: none"> • Patch panels (Cat.No 329 14) • LCS blocks

Pack	Cat.Nos	Doors for surface mounting cabinets
		For box Cat.No 329 10 White Transparent
1	013 32	
1	013 42	
		For box Cat.No 329 11 White Transparent
1	013 33	
1	013 43	
		For box Cat.No 329 12 White Transparent
1	016 33	
1	016 43	
		Mini XL VDI cabinet For installations up to 36 multipurpose RJ 45 sockets - 6 U IP 20 - IK 08 Equipped with: <ul style="list-style-type: none"> • 1 reversible curved door made of safety glass • 2 lateral panels removable from inside • Key locking 405 • 2 depth adjustable uprights • Top, bottom, side and rear cable entries • Top and bottom perforations for natural ventilation White RAL 9002 To be equipped with: <ul style="list-style-type: none"> • Patch panels (Cat.No 329 14) • LCS blocks
1	329 81	

Pack	Cat.Nos	Accessories
		Especially dedicated for multimedia cabinets Cat.Nos 329 12 and 329 81
1	329 14	Self-assembly patch panel Accepts 3 LCS blocks
1	329 85	Fixed shelves for active products Shelf for multimedia cabinet Cat.No 329 12 - 1 U
1	329 48	Shelf for multimedia cabinet Cat.No 329 81 Depth 120 mm Maximum load: 10 kg
		Power supply units To supply active products with 230 V For equipping with Mosaic 2P + \downarrow sockets Takes up to 8 Mosaic modules 4 x 2P + E German standard - 10/16 A
1	329 90	
1	329 88	



complementary products for optimum and mixed networks



327 50



517 53



516 41



516 94



516 93



516 92

Pack	Cat.Nos		Twisted pair cables for RJ 45 sockets Residential multimedia cable F/FTP Certified as conforming to standards EN 50-441-3 and to the guide UTE - C 90483 Length: 250 m Supplied on reel-weight 21 kg Required for Optimum networks Optimized performance for satellite signals Cat 5e UTP - 4 pairs Length 305 m Supplied in cardboard box - weight 12 kg Required for Mixed networks FTP - 4 pairs Length 305 m Supplied in cardboard box - weight 12 kg Required for Mixed networks
250	LSZH sleeve 327 79	PVC sleeve	
305	327 50	327 51	
305	327 52		

Pack	Cat.Nos		Patch cords for connection to an RJ 45 socket Certified as conforming to standards ISO 11801 ed.2.0, EN 50173-1 and EIA/TIA 568 RJ 45 - RJ 45 patch cords for computer or printer connection Cat. 6 - STP Recommended for Optimum networks Cat. 5e - FTP Recommended for Mixed networks Cat. 5e - UTP Recommended for Mixed networks RJ 11 - RJ 45 patch cords for telephone or fax modem connection Recommended for Optimum and Mixed networks Coaxial IEC 9,52 mm - RJ 45 patch cords for TV set connection Required for Optimum networks Coaxial type F - RJ 45 patch cords for decoder or cable modem Required for optimum networks
	2 m length	3 m length	
5	517 53	517 54	
5	516 41	516 42	
5	516 37	516 38	
1	516 94		
1	516 93		
1	516 92		


Galea Life TV and data sockets

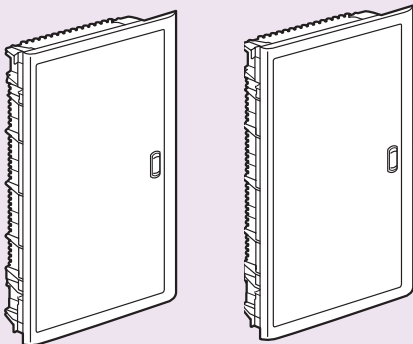
see p. 541 and 542

optimum and mixed networks

communication cabinets

■ Dimensions of distribution boxes

Flush-mounting cabinets

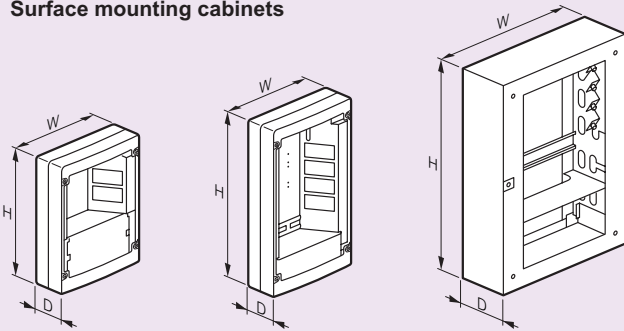


329 61

329 62

	W	H	D
329 61	330	680	86
329 62	330	680	86

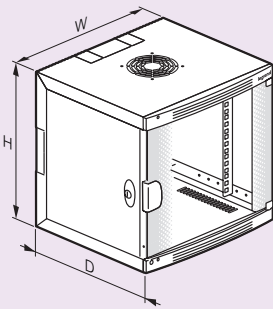
Surface mounting cabinets



329 10

329 11

329 12



329 81

	W	H	D
329 10	250	360	100
329 11/15	250	485	100
329 12	430	615	180
329 81	340	350	300

Recommended distribution box sizes:

Distribution boxes Cat.Nos 329 10, 329 11 and 329 12 have spaces reserved for the various "LCS units". These LCS units can be used either for wiring the network in the house, or processing an application (TV, data, telephone, etc)

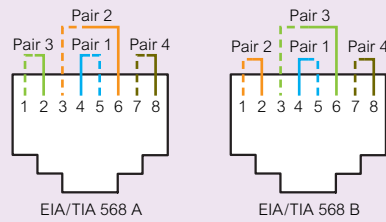
The number of spaces reserved for the units varies according to the distribution box chosen:

329 10: 4 LCS units + 1 modem/router can be inserted

329 11: 8 LCS units + 1 modem/router can be inserted

329 12: up to 12 LCS units + 1 modem/router + 1 other active product, such as Omizzy, can be inserted

■ Wiring conventions



EIA/TIA 568 A

EIA/TIA 568 B

■ Summary of cables and sockets to be used

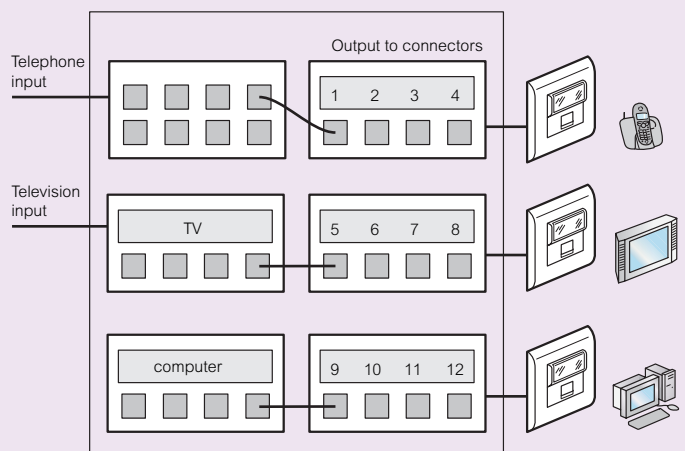
	 Television TV sockets and cables	 Telephone Telephone sockets and cables	 Computer Computer sockets and cables
Optimum network			Wi-Fi access point RJ 45 socket, 3 satellite F/FTP 4 twisted pair cable
Mixed network	TV-FM-SAT socket 17/19 VATC coaxial cable		Wi-Fi access point RJ 45 socket, Cat. 5e FTP 4 twisted pair cable Cat. 5e FTP

■ Television distribution

Installations can differ, depending on the source of the TV signals:

- Signals from an incoming overhead hertzian line such as those from cable television operators (frequencies less than 862 MHz) can be directly connected and distributed via TV converter/splitters on RJ 45
- Incoming satellite signals (950 MHz to 2 400 MHz waveband) can be directly connected and distributed via TV connectors/splitters on RJ 45 (demodulator required on each TV). A special installation, using a coaxial TV-FM-SAT port, 2 cables, and a commercially available modulator, can be used to reinject this demodulated signal into the multimedia network in the house and thus receive the demodulated channel on all the multipurpose sockets in the house

■ Examples of manual assignment of the media to the socket

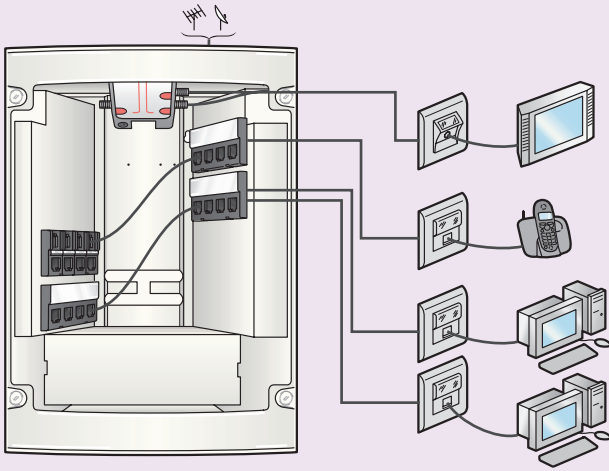


optimum and mixed networks

■ Installation principles

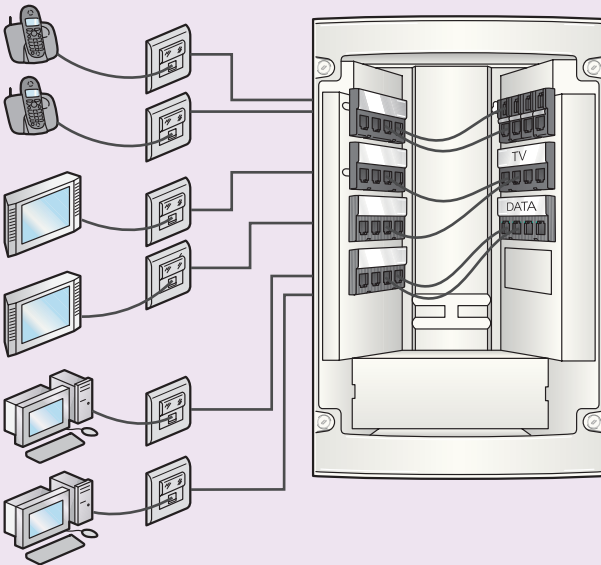
With distribution box Cat.No 329 10

Example of a mixed installation (TV on coaxial cable)



With distribution box Cat.No 329 11

Example of an all-RJ 45 installation



With distribution box Cat.No 329 12

Example of an all-RJ 45 installation

