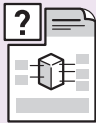
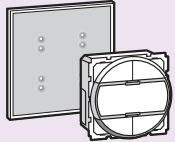


BUS/SCS
technology
Arteor™

BUS/SCS
technology



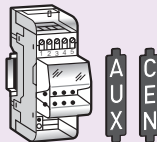
P. 274
Presentation
of BUS/SCS
technology



P. 278
Lighting control
and automation
mechanisms



P. 279
Key covers



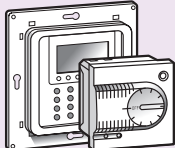
P. 280
Actuators,
BUS power
supplies
accessories



P. 282
Lighting control
installation



P. 283
Actuators,
dimmers
max. loads
selection chart



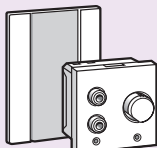
P. 284
Temperature
control



P. 285
Temperature
control
installation



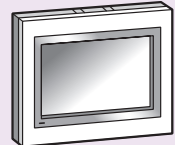
P. 286
Energy
management



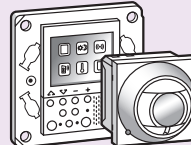
P. 288
Sound distribution



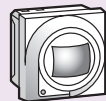
P. 290
Sound
distribution
installation



P. 291
House
management
system



P. 292
Door entry systems



P. 294
Detection and
access control



P. 296
Mounting
Accessories

BUS/SCS technology

For creating scenarios that incorporate all the functions of large living areas: lighting, sound distribution, video door entry system...



VIDEO DOOR ENTRY SYSTEM



AUDIO AND VIDEO DOOR ENTRY SYSTEM
(See p. 292)
Controls opening, with the possibility of intercommunication with other units

SCENARIO CONTROL



SCENARIO CONTROL
(See p. 278)
For activation of 4 scenarios

TEMPERATURE CONTROL

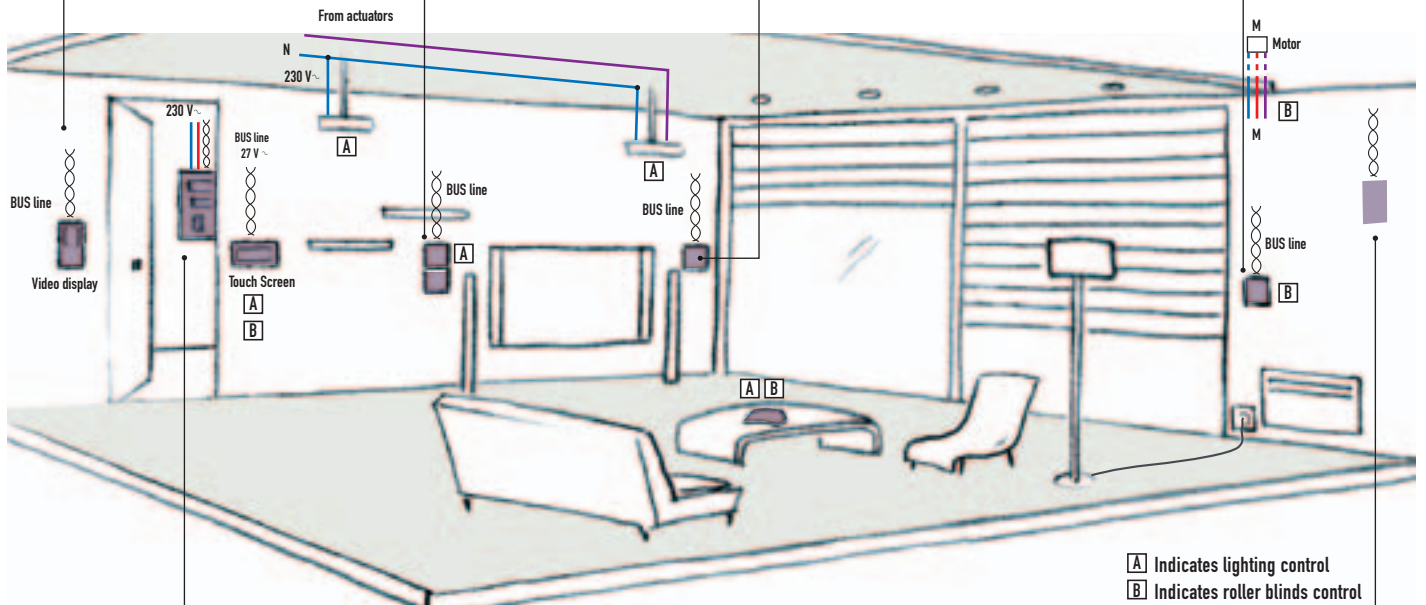


CENTRAL UNIT FOR TEMPERATURE CONTROL
(See p. 284)
Can manage up to 99 zones

ROLLER BLINDS CONTROL



ROLLER BLIND CONTROL
(See p. 278)
Controls any type of electric roller blinds



DIN-RAIL ACTUATORS AND HOUSE MANAGEMENT



DIN RAIL ACTUATORS
(See p. 280)
To be associated to load and control mechanisms as well as energy management



TOUCH SCREEN
(See p. 278)
For sound distribution or temperature control

SOUND DISTRIBUTION



SOUND DISTRIBUTION CONTROL
(See p. 288)
Control and selection of audio sources

MOVEMENT DETECTION



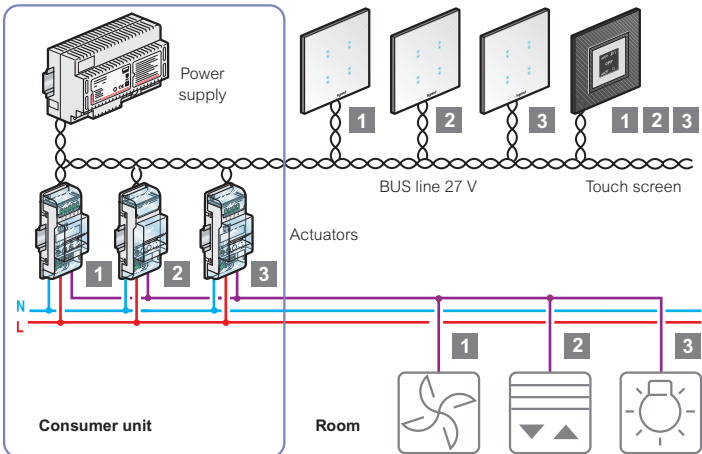
SENSOR
(See p. 294)
Activation of lights by movement sensors

MULTIPLICATION OF FUNCTIONS WITHOUT ANY SPACE CONSTRAINTS

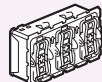
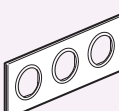
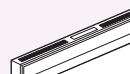
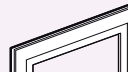
BUS/SCS technology can manage different functions at the same time via 2-wire extra low voltage cables. It enables a number of

functions to be integrated into scenarios and designed to adapt the user's lifestyle as required.

WIRING DIAGRAM



Arteor™
Quick reference guide – BUS/SCS™

Device	Type	Description	Mechanism		Key covers			Support frames and plates									
2 wire twisted pair	Hard button	1 gang switch	 5739 74	+	 White 5739 70	 Magnesium 5739 71	+	 5719 20 Horizontal use only for 2 or 3 modules				OR	 5719 10 Vertical use only for 2 modules				
		2 gang switch	 5739 74		2 x  5739 68	5739 69		 White 5756 20 For full selection of plates see page 236 - 237	 Pearl Alu 5756 21	 Graphite 5756 22	 White 5756 30 For full selection of plates see page 236 - 237		 Pearl Alu 5756 31	 Graphite 5756 32			
		3 gang switch	 5739 75	+	2 x  5739 68 + 1 x  5739 72	5739 69 5739 73	+	 Horizontal use only for 2 or 3 modules				OR	 White 5755 00  Pearl Alu 5755 01  Graphite 5755 02  Stainless Steel 5756 56 For full selection of plates see page 188				
		4 gang switch	2 x  5739 74	+	4 x  5739 68	5739 69	+	2 x  5760 21					OR	 White 5755 10  Pearl Alu 5755 11  Graphite 5755 12  Stainless Steel 5755 16			
		6 gang switch	3 x  5739 74	+	6 x  5739 68	5739 69	+	3 x  5760 21				OR		 White 5755 20  Pearl Alu 5755 21  Graphite 5755 22  Stainless Steel 5755 26 For full selection of plates see page 236 - 237			
	Capacitive touch plates	1 or 2 gang touch plate	British Standard  5760 03	+	 White 5739 08	 Black 5739 09	OR	Vertical Installation Italian & American standard  5719 10					OR	 White 5739 10  Black 5739 11			
		3 gang touch plate	 5719 20	+	 5739 12	5739 13		N/A									
	Square modules	Adjustable IR detector	 5739 38	+	 White 5739 38	 Magnesium 5739 39	+	 5719 20 Horizontal use only for 2 or 3 modules				OR	 5719 10 Vertical use only for 2 modules				
		1.2" colour touch screen	 5739 16		5739 17	For full selection of plates see page 236 - 237				For full selection of plates see page 236 - 237							
	Specials plates	3.5" colour touch screen	 5739 60	+			+	 Mirror White 5764 84  Mirror Black 5764 83  Stainless Steel 5764 86  Gold Brass 5764 80  Woven Metal 5764 87									
		10" multimedia colour touch screen	 5739 62	+	 White 5739 62	 Magnesium 5739 63	+	 Mirror White 5765 14  Mirror Black 5765 13  Stainless Steel 5765 16  Gold Brass 5765 10  Woven Metal 5765 17									
		Central temperature control unit	 5739 18	+	5739 19	+	 Mirror White 5765 24  Mirror Black 5765 25  Stainless Steel 5765 26  Gold Brass 5765 20  Woven Metal 5765 37										

Arteor™ BUS/SCS
Lighting control and automation control mechanisms



Support frames and plates selection charts (p. 236 - 237)

Pack	Cat. No.	Micropush control mechanisms
1	5739 74	To be installed in flush-mounting boxes Basic functions To be equipped with round version key covers (p. 279) and plates (p. 236 - 237)  2 module mechanism Control for the activation of 1 actuator for single or double loads, or 2 actuators for single load, or independent double loads for lighting and shutters
1	5739 75	 3 module mechanism Control for the activation of 3 actuators for single or double loads, or 2 actuators for single load or independent double loads
1	5739 87	Basic and special functions To be equipped with round version key covers (p. 279) and plates (p. 236 - 237)  2 module mechanism Control for the activation of 4 scenarios, soft-start and soft-stop of dimmers, sound distribution functions and activation of devices installed on different BUS branches
1	White 5739 02 Magnesium 5739 03	Scenario controller Equipped with White or Magnesium round version rocker plates, to be equipped with plates (p. 236 - 237)  2 module mechanisms Control for the activation of 4 scenarios stored in the DIN scenario module Cat. No. 035 51 (p. 281)

Pack	White	Magnesium	IR receivers
1	5739 00	5739 01	Equipped with White or Magnesium square version cover plates, to be equipped with plates (p. 236 - 237)  To be associated with remote control Cat. No. 882 31 Can receive up to 16 commands

Pack	882 31	Mobile scenario controller
1		Advanced IR remote controller 4 push-buttons to control 4 scenarios (1 scenario can control several functions: shutters, lighting...) To be used in association with IR receiver Cat. No. 5739 00/01

Pack	Cat. No.	Touch control mechanisms
1	White 5739 08 Black 5739 09	Equipped with White or Black touch plates Basic functions Control for the activation of 1 single actuator for single or double loads, or 2 actuators for single load, or independent double loads for lighting and shutters  2 module mechanisms For British standard flush-mounting boxes (p. 296)
1	5739 10 5739 11	 2 module mechanisms For 2" x 4" Italian and American flush-mounting boxes
1	5739 04 5739 05	Basic and special functions Control for the activation of 4 scenarios, soft-start and soft-stop of dimmers, sound distribution functions  2 module mechanisms Can control up to 4 scenarios For British standard flush-mounting boxes (p. 296)
1	5739 06 5739 07	 2 module mechanisms Can control up to 4 scenarios For 2" x 4" Italian and American flush-mounting boxes
1	5739 12 5739 13	 3 module mechanisms Can control up to 6 scenarios For British, Italian and American flush-mounting boxes

Pack	White	Magnesium	Touch screens
1	5739 16	5739 17	Equipped with White or Magnesium surround, to be equipped with plates (p. 236 - 237)  1.2" touch screen for activation of 4 scenarios or temperature, or sound distribution functions To be equipped with 2 module plates



Scenario controllers with specific marking for hotels (see p. 246)

For complete technical information see "Arteor™ - Project and installation Guide"

Arteor™ BUS/SCS
Lighting control and automation key covers



White or Magnesium round version key covers
For BUS / SCS micropush control mechanisms

Pack	Cat. No.	1 module key covers
5	White 5739 64 Magnesium 5739 65	For micropush control mechanisms Regulation symbol  Left-hand side mounting  Right-hand side mounting
5	5743 60 5743 61	
5	5743 65 5743 67	Light symbol  Any mounting
5	5743 69 5743 71	Dimmer symbol  Left-hand side mounting
5	5743 68 5743 70	 Right-hand side mounting
5	5743 73 5743 75	GEN/ON/OFF marking  Left-hand side mounting
5	5743 72 5743 74	 Right-hand side mounting
5	5743 77 5743 79	ON/OFF marking  Left-hand side mounting
5	5743 76 5743 78	 Right-hand side mounting
5	5743 62 5743 63	Up/down symbol  Any mounting
5	5739 68 5739 69	Without marking  2 functions Any mounting

Pack	Cat. No.	2 module key covers
5	White 5743 86 Magnesium 5743 87	For micropush control mechanisms  Regulation symbol
5	5743 88 5743 89	 GEN marking
5	5743 90 5743 91	 Dimmer symbol
5	5743 92 5743 93	 Light symbol
5	5743 80 5743 81	 GEN/ON/OFF marking
5	5743 82 5743 83	 ON/OFF marking
5	5743 84 5743 85	 Up/down symbol
5	5739 70 5739 71	 2 functions without marking

Pack	White	Magnesium	Special key covers
5	5739 72	5739 73	For 3 module micropush control mechanisms  Central rectangular key cover for Cat. No. 5739 75

Arteor™ BUS/SCS
Lighting control and automation



Technical characteristics (p. 283)

Pack	Cat. No.	DIN rail actuators 240 V~ - 50/60 Hz
1	038 41	N/O contact To be associated to loads and control mechanisms (p. 278) 1-output relay for controlling 1 circuit Maximum load: 16 A resistive load 2 DIN modules
1	038 42	2-output relay for controlling 2 circuits Maximum load per circuit: 6 A resistive load or incandescent lamps 1 x 500 VA for roller blinds with end stops 2 DIN modules
1	038 44	4-output relay for controlling 4 circuits Maximum load per circuit: 6 A resistive load 2 DIN modules
1	026 02	Relay with 4 x 16 A outputs 6 DIN modules
1	026 27	DIN rail dimmers To be associated to loads and control mechanisms (p. 278) for dimming control Leading/trailing edge dimmers 6 Channel dimmer. Maximum load: 300 W per channel 12 DIN modules 230-240 V
1	036 52	Leading edge dimmers Maximum load: 60 - 1000 W / 230-240 V~ - 50 Hz 4 DIN modules
1	036 53	Trailing edge dimmers Maximum load: 0.25 to 1.7 A / 230-240 V~ - 50 Hz 4 DIN modules
1	036 56	For electronic ballast 0-10V Maximum load: 500 VA 2 DIN modules
10	488 72	RJ adaptor For connecting Cat. No. 026 02/21/22/11 to the BUS

Arteor™ BUS/SCS
Accessories for automation



Pack	Cat. No.	Additional DIN devices
1	035 52	Memory module for actuators Restores the last state of an actuator in case of a power failure 2 DIN modules
1	035 51	Scenario module Allows creation of scenarios by linking different functions Up to 16 scenarios 2 DIN modules
1	035 62	SCS-SCS gateway (extension) Allows the extension of the installation or the integration between different functions Suitable for larger installations 2 DIN modules
1	492 31	SCS cables 2-wire cable for BUS system Conform to IEC 45-5 and IEC 20-20 Length 100 m
1	492 32	Length 500 m
1	492 90	Virtual configuration software Comprising: 1 CD with software for PC
1	492 80	Virtual configuration kit
1	492 34	Additional devices USB cable Programming cable
10	492 22	BUS spare clamp Used to connect the various system components (controls, dimmers, etc) to the BUS line

Pack	Cat. No.	Plug-in jumpers for all devices
10	492 00	0
10	492 01	1
10	492 02	2
10	492 03	3
10	492 04	4
10	492 05	5
10	492 06	6
10	492 07	7
10	492 08	8
10	492 09	9
5	492 10	GEN
5	492 11	GR
5	492 12	AMB
5	492 13	AUX
5	492 14	ON
5	492 15	OFF
5	492 16	O/I
5	492 17	PUL
5	492 18	SLA
5	492 19	CEN
5	492 20	↑↓
5	492 21	↑↓M
1	261 45	Kit with "0 to 9" jumpers (10 pieces of each figure)
1	492 37	Kit with: AUX, GEN, GR, AMB, ON, OFF, O/I, PUL, SLA, CEN, ↑↓, ↑↓M



For complete technical information see "Arteor™ - Project and installation Guide"

System principle

The Lighting Control system allows the management of different functions in a simultaneous and integrated way
All the components of the Lighting Control system are interconnected via an electronic circuit that can be programmed: the BUS
The information is exchanged through the 2 wire BUS cable at low voltage (27 V_~)

- There are two types of devices in the system:
- the controls units, which are connected only to the BUS cable and
 - the actuators, connected both, to the BUS cable and to the 230V_~ mains power line for managing the connected load

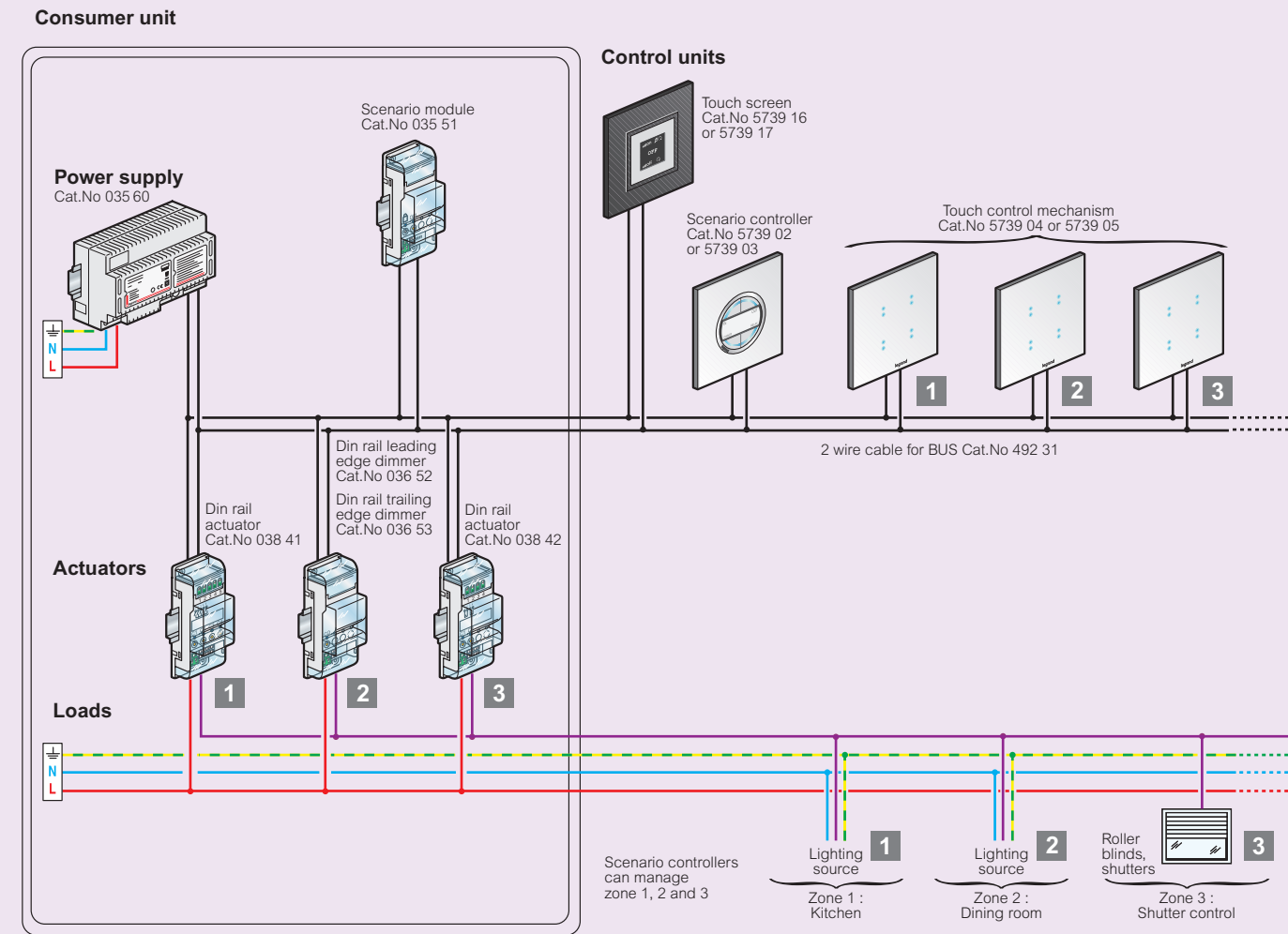
When the Lighting Control system devices are configured properly, it is possible to manage the load as follows:

- control for a single load
- control for one or more load groups;
- simultaneous management of all loads

It is also possible to carry out special functions, which can hardly be achieved with conventional electrical systems
These functions are called scenarios

One scenario is a set of simultaneous control of multiple groups of loads, used in order to modify the environment according to the user's needs
An example of a scenario can be represented by the simultaneous activation of lights, which can be set by the user after getting inside the building by using one single control device or by using the Touch Screen menu

Installation principle



Actuators and dimmers max. loads at 240 V

		Universal								
		Leading edge				Trailing edge				
		Incandescent lamp	Halogen lamp	ELV halogen with ferromagnetic transformer	ELV halogen with electronic transformer	Fluorescent tube	Compact fluorescent lamp	LED	Fluorescent lamps with 0-10 V ballast	Reducer motor for shutter
ACTUATORS	Cat. No.									
	038 41	3500 W	3500 W	1000 VA	1000 VA	1000 VA	1000 VA			
	038 42	2300 W	2300 W	500 VA	250 VA	250 VA	250 VA			500 VA
	038 44	1400 W	1400 W	500 VA	70 VA	70 VA	70 VA			500 VA
DIMMERS	026 02	4 x 1000 W	4 x 1000 W	4 x 500 VA	4 x 500 VA	4 x 500 VA	4 x 500 VA	4 x 500 VA		4 x 100 VA
	036 56							10 x 55 VA	10 x 55 VA	
	036 52	1000 W	1000 W	1000 VA						
	036 53				400 VA					
	026 27	300W	300W	300W	300W		300W	300W		

Technical data - 026 27

		Incandescent lamp	Halogen lamp	Ferromagnetic transformer	Electronic transformer	Fluoro compact lamp	LED lamp
230 -240 Vac 50Hz	MAX	300W	300W	300W	300W	300W	300W
	MIN	5W	5W	5W	5W	5W	5W