SCS Dimmer 1x4.3A

F416U1
002621

Description

Control device powered at 100 – 240 Vac for dimming resistive loads, ferromagnetic transformers and electronic transformers. The loads can be adjusted via any control device and/or sensor connected and properly configured, or by using the button on the device. The device is able to signal any load faults such as, for example, lamp failure.
The device is a component in the Lighting Management system and can also be installed in a My Home system.

Standards, Certifications, Marks

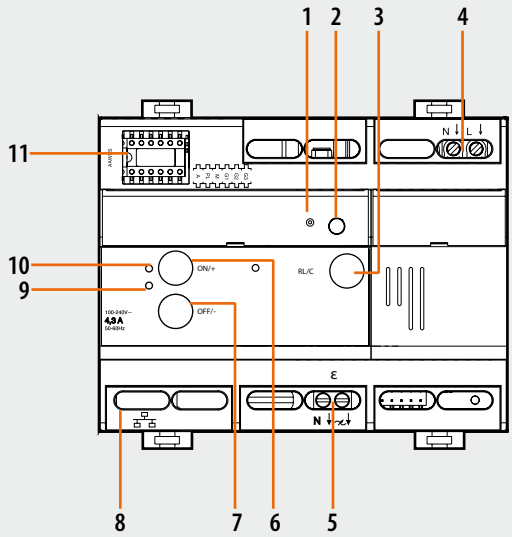
Directive:
– Electromagnetic Compatibility Directive 2004/108/EC
Installation regulations:
– CEI 64-8
Product regulations:
– IEC 60669-2-1
– EN 50428
Environmental regulations:
– EU Directive 2002/96/EC: WEEE (Waste Electrical and Electronic Equipment)
– EU Directive 2002/95/EC: RoHS (Restriction of Hazardous Substances)

Dimensions

Size: 6 DIN modules

Technical data

Power supply:	100 -240 Vac @ 50/60 Hz
Number of outputs:	1 x 4.3 A
Power consumption on standby:	0.3 W
Operating temperature:	(-5) – (+45) °C
Type of connection:	– RJ45 – clamp input 2 x 2.5 mm^2 – clamp output 2 x 1.5 mm^2 and 1 x 2.5 mm^2
Protection index:	IP20
Impact resistance:	IK04
Weight:	327 g
Cable section:	2.5 mm^2



Legend

1. Learn LED
2. Button for forcing the type of load
3. Button for manual load forcing
4. Clamps for the connection to the 230 Vac power supply
5. Load connection clamps
6. Load adjustment/ON control button
7. Load adjustment/OFF control button
8. BUS RJ45 connector
9. Load type indicator:
   Green: Inductive
   Orange: Capacitive
10. Load indicator:
    LED OFF: load OFF
    LED ON green: load ON from 1% to 100%.
    LED ON orange: fault with load
11. Configurator socket (note that this must only be used in My Home systems with the physical configuration)

Power/Consumption of driven loads:

	Incandescent lamp		Halogen lamps		Ferromagnetic transformers		Electronic transformers	
230 V~	1000 W	4.3 A	1000 W	4.3 A	1000 VA	4.3 A	1000 VA	4.3 A
110 V~	600 W		600 W		600 VA		600 VA	

WARNING: Devices that operate with an electronic transformer or a ferromagnetic transformer cannot be connected on the same line

Configuration

1. Lighting Management System

When installed in a Lighting Management system, the device can be configured in the following ways:
- Plug & Go: automatic procedure for pairing devices connected to the inputs and outputs. The procedure is activated on powering the device. It is only available for Room Controllers or, in the case of other devices, paired with the Room Controllers.
- Push & Learn: procedure for pairing different connected devices or changing the assignments defined automatically in the Plug & Go procedure. For more details, please refer to the specific document.
- Software Configuration: using the Virtual Configurator software; for more details, please refer to the specific manual.

2. My Home system

If the device is installed in a My Home system it can be configured in two ways:
- PHYSICAL CONFIGURATION, inserting the configurators in position.
- Configuration via MYHOME_Suite software package, downloadable from www.homesystems-legrandgroup.com; this mode has the advantage of offering many more options than the physical configuration.

For a list of the procedures and their meanings, please refer to the instructions in this sheet and to the "Function Descriptions" help section in the MYHOME_Suite software package.

2.1 Addressing

Address type		Virtual configuration (MYHOME_Suite)	Physical configuration
Point-to-point	Room	0-10	A = 1-9
	Lighting point	0-15	PL = 1-9
Group		Group 1 - Group 10 = 0-255	G1, G2, G3 = 0-9

2.2 Mode

Virtual configuration (MYHOME_Suite)		Physical configuration	
Function	**Parameter / setting**		
Master Actuator	Master	M=0	
Actuator as Slave. Receives a control sent by a Master actuator with the same address	Slave	M=SLA	
Pushbutton (ON monostable) ignores Room and General controls	Master PUL	M=PUL	
OFF delay: Master actuator with OFF control delayed on the corresponding Slave actuator. [1)]	0 - 255	M=1	1 minute
		M=2	2 minutes
		M=3	3 minutes
		M=4	4 minutes

NOTE 1): In the Master and Master PUL mode you can set an OFF delay of 0-255 seconds (via MYHOME_Suite) and of 1-4 minutes using the physical configuration. Only for a point-point type control. With the OFF control the Master actuator deactivates; the Slave actuator deactivates after the time set with the configurators has elapsed.

Typical function for use in bathrooms without windows where the ON control activates the light (Master actuator) and the ventilation fan (Slave actuator) at the same time. The OFF control switches the light off immediately and leaves the fan working for the time set with configurator 1 to 4 in M of the Master actuator as indicated in the table.

To use the "Actuator as a slave with PUL function" and adjust the "Minimum brightness level at power-on" use MYHOME_Suite virtual configuration.

Maintenance

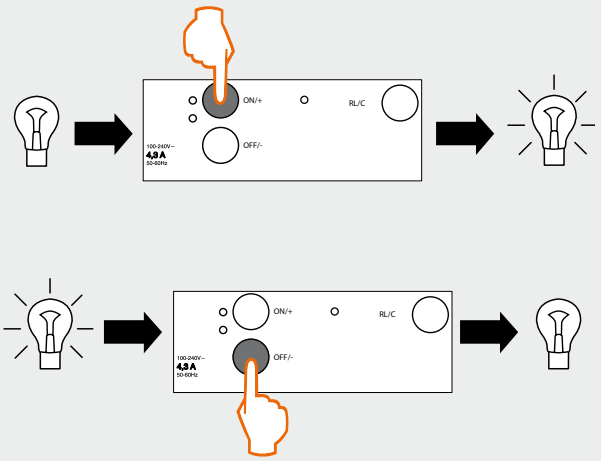
Do not use acetone, detergents for removing tar, or trichloroethylene.
Maintenance using the following products:
- Hexane (En 60669-1);
- Methylated spirit;
- Soap and water;
- Diluted ammonia;
- Bleach, diluted 10%;
- Glass detergents.

WARNING:
An initial test is required in order to use other special maintenance products.

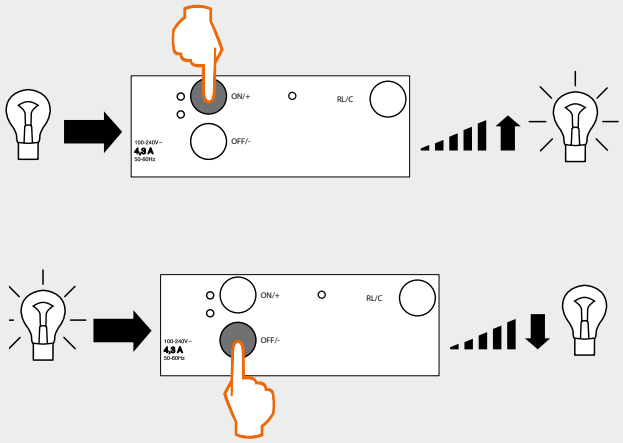
Operating mode

When in Test mode, by pressing the pushbutton of the actuator it will be possible to enable or disable the associated load.

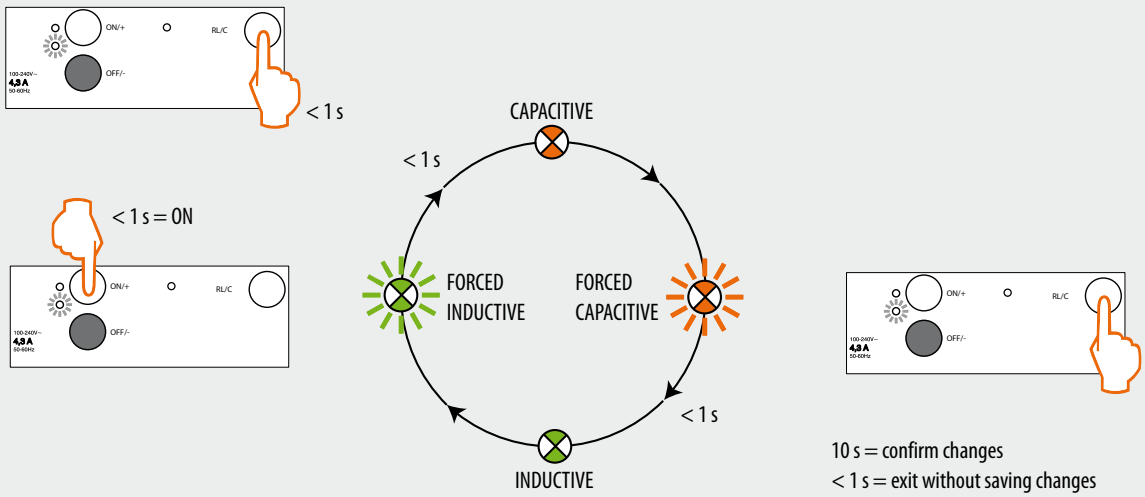
ON-OFF



DIMMING



Manual forcing of the type of load



Wiring diagram