



SCS/DALI gateway

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Description

The device is an interface between the Automation system and devices which can be driven with the DALI protocol (Digital Addressable Lighting Interface). It has eight independent outputs to which up to 16 DALI devices can be connected for each output. Three pushbuttons with notification LED set the operating mode. Key P1 sets up the device for the virtual configuration, key P2 is used to select one of the eight outputs which connect with the DALI devices and key P3 is used to switch the output which has been selected with key P2 ON, OFF and to dim it. On pressing key P3 quickly one can switch the load ON or switch it OFF cyclically, while pressing it for a long time adjusts the brightness.

Technical data

Power supply: 110 – 240 Vac @ 50/60 Hz;
110 – 240 Vdc
Consumption : 5 mA
Operating temperature: [-5] – [+40] °C
No. of DALI outputs: 8 independent

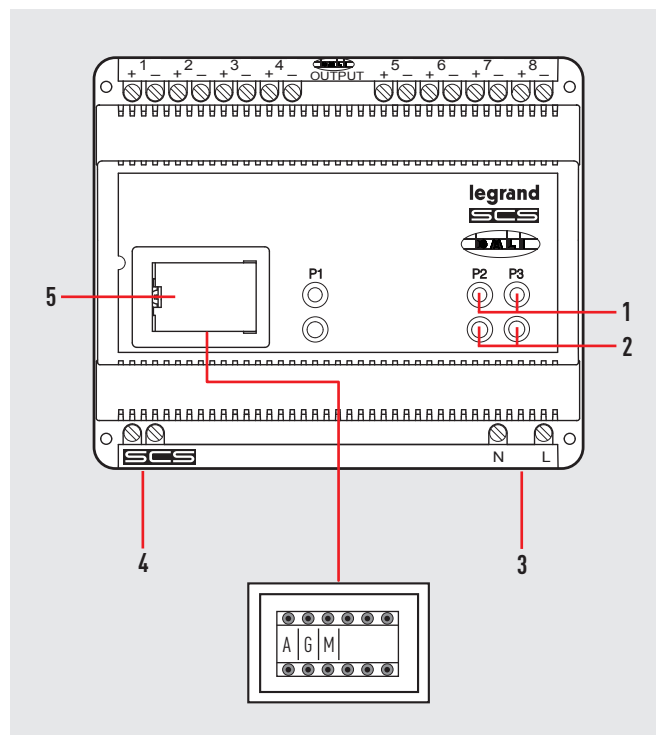
Dimensional data

Size: 6 DIN modules

Configuration

For the configuration there are 3 housings identified A, G and M as specified below:

A = 1 – 9 light point room address. The number of light points PL is defined with key P2. If pressed, the LED will flash a number of times equal to the number of the port selected. If pressed again, the next output is selected.



Legend

1. Pushbuttons
2. LEDs
3. Power supply
4. BUS
5. Configurator housing

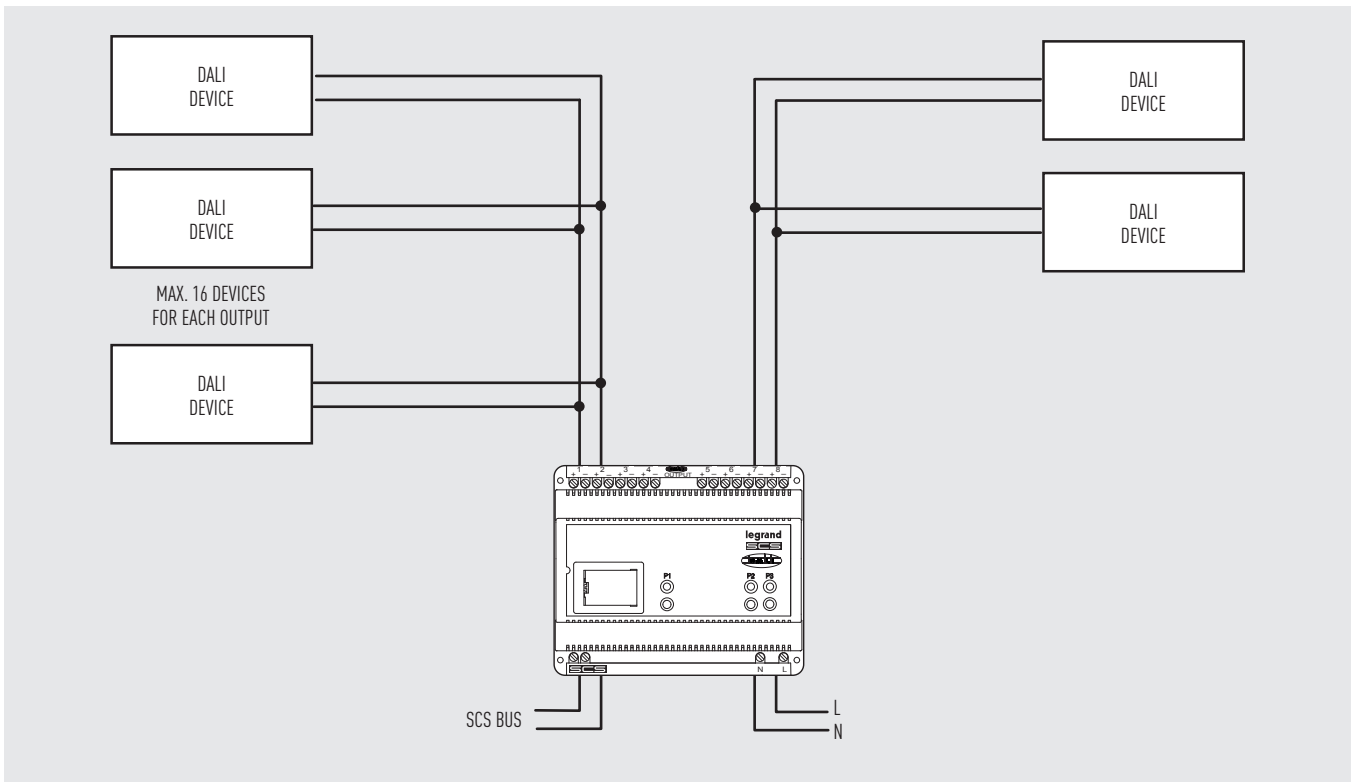
G = 1 – 9 group address

M = operating mode.

The following table lists the operating modes possible with the configurator inserted in position M of the same actuator.

Possible function	Configurator in M
The actuator as Slave. Receives a control sent by a Master actuator which has the same address	SLA
Ignores the Room and General controls	PUL
Master actuator with delayed Off control on the corresponding Slave actuator. Only for point-point type control. With the Off control, the Master actuator is disabled; the Slave actuator is disabled after the set time has elapsed.	1 = 1 min 2 = 2 min 3 = 3 min 4 = 4 min

Wiring diagram



Depending on the configurator inserted in A, the outputs will take on the following address:

		OUTPUT							
		1	2	3	4	5	6	7	8
A =	1	A = 1 PL = 1	A = 1 PL = 2	A = 1 PL = 3	A = 1 PL = 4	A = 1 PL = 5	A = 1 PL = 6	A = 1 PL = 7	A = 1 PL = 8
	2	A = 2 PL = 1	A = 2 PL = 2	A = 2 PL = 3	A = 2 PL = 4	A = 2 PL = 5	A = 2 PL = 6	A = 2 PL = 7	A = 2 PL = 8
	3	A = 3 PL = 1	A = 3 PL = 2	A = 3 PL = 3	A = 3 PL = 4	A = 3 PL = 5	A = 3 PL = 6	A = 3 PL = 7	A = 3 PL = 8
	4	A = 4 PL = 1	A = 4 PL = 2	A = 4 PL = 3	A = 4 PL = 4	A = 4 PL = 5	A = 4 PL = 6	A = 4 PL = 7	A = 4 PL = 8
	5	A = 5 PL = 1	A = 5 PL = 2	A = 5 PL = 3	A = 5 PL = 4	A = 5 PL = 5	A = 5 PL = 6	A = 5 PL = 7	A = 5 PL = 8
	6	A = 6 PL = 1	A = 6 PL = 2	A = 6 PL = 3	A = 6 PL = 4	A = 6 PL = 5	A = 6 PL = 6	A = 6 PL = 7	A = 6 PL = 8
	7	A = 7 PL = 1	A = 7 PL = 2	A = 7 PL = 3	A = 6 PL = 4	A = 7 PL = 5	A = 7 PL = 6	A = 7 PL = 7	A = 7 PL = 8
	8	A = 8 PL = 1	A = 8 PL = 2	A = 8 PL = 3	A = 8 PL = 4	A = 8 PL = 5	A = 8 PL = 6	A = 8 PL = 7	A = 8 PL = 8
	9	A = 9 PL = 1	A = 9 PL = 2	A = 9 PL = 3	A = 9 PL = 4	A = 9 PL = 5	A = 9 PL = 6	A = 9 PL = 7	A = 8 PL = 8

NOTE: The PL configurator is not included since the value is determined by the output to which the DALI device is connected. All outputs belong to the same group inserted in G.