

# DALI-2 Gateway

F429G

### Description

The device is an interface between MyHOME/Lighting Management systems and devices driven using the DALI-2 (Digital Addressable Lighting Interface) protocol. It has 1 independent output to manage up to 64 DALI-2 ballasts. The supported functions are: ON/OFF, dimmer, RGBW (colour and tunable white) and Fade in-out. The device can be installed in a MyHOME system through Home + Project app configuration. Suitable for installation with all DALI-2 lamps. The buttons with respective notification LEDs set the SCS and DALI operating modes. The SCS button (7) sets the device for virtual configuration, the DALI button (3) is used to turn the DALI output on and off.

**NOTE:** The DALI-2 function is available and supported only by Classe 300EOS, MyHOME F460 and F461 servers.

In case of existing installations with the MHS1 server, it is possible to guarantee the system upgrade and functional extension through the backup & restore function directly from Home + Project, without having to reconfigure the system from scratch.

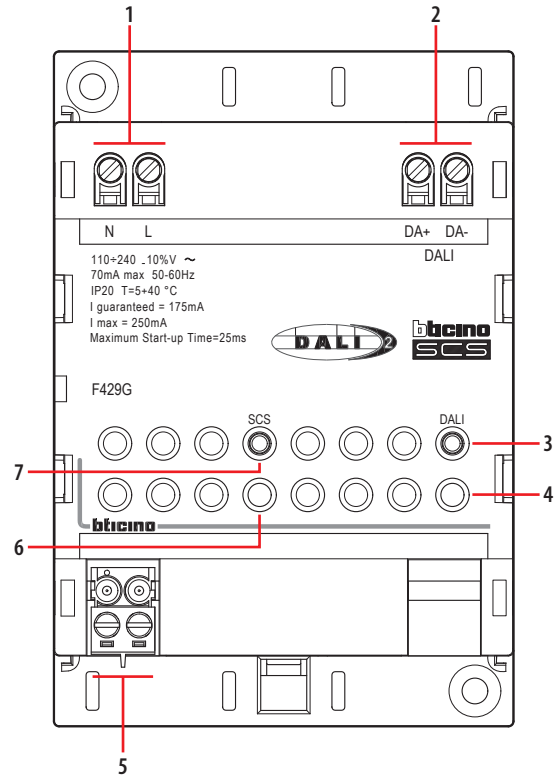
### Technical data

Operating temperature:	5 – 40 °C
<b>BUS SCS input</b>	
Power supply:	18 – 27 Vdc
Absorption:	6 mA
<b>Input 230 Vac</b>	
Voltage:	110 – 240 Vac
Operating frequency:	50/60 Hz
Absorption:	70 mA max
<b>DALI output</b>	
Rated voltage;	16 Vdc
Rated power:	4 W
Max. current:	250 mA
Guaranteed current:	150 mA
Maximum Start-up Time:	25 ms
Number of DALI devices that can be controlled:	64
Maximum length of the cable:	300 m
Cable section:	1,5 mm <sup>2</sup>

### Dimensional data

Size: 4 DIN modules.

Front view



### Legend

1. PRIMARY connection clamps
2. Connections clamps for DALI GEAR control \*
3. Maintenance pushbutton, simultaneous ON/OFF control of all DALI loads.  
The status of the loads is not shown on the device
4. DALI output notification LED  
Orange LED steady = at least one reactor on the DALI output is ON  
Green LED steady = all the reactors are OFF  
Orange/green LED flashing = addressing and acquisition of DALI reactors running
5. BUS SCS connection clamps
6. BUS SCS output notification LED  
Green LED steady = power supply present  
Orange/green LED flashing quickly = no configuration  
Red LED flashing intermittently = configuration being completed
7. SCS configuration pushbutton

\* **Note:** The device is designed to be the only BUS power supply in the system

**Configuration**

PerFor device configuration and installation and for any other information, refer to the App or documentation that can be downloaded from the website:



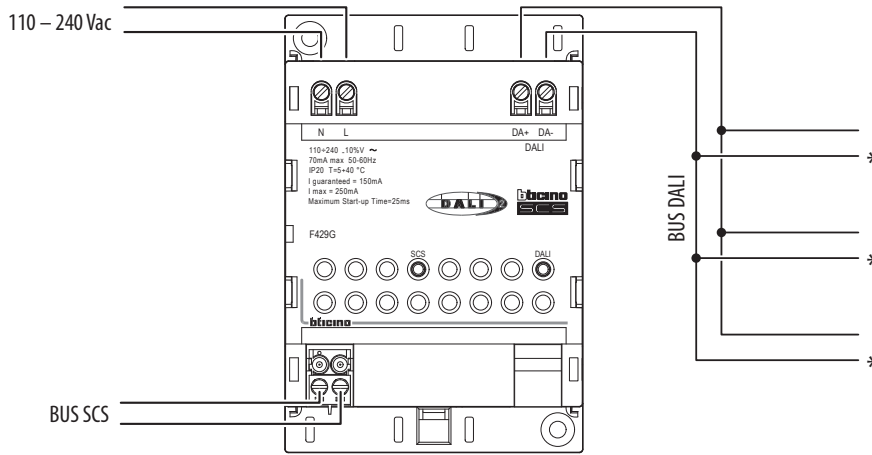
[www.homesystems-legrandgroup.com](http://www.homesystems-legrandgroup.com)

Download the Home + Project App



ANDROID: requires Android 5.0 and higher with access to Google Play.  
 iOS: requires an iPhone with iOS 12,0 or later.

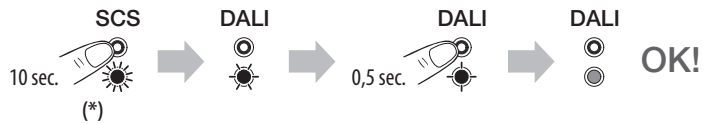
**Wiring diagrams**



\* DALI devices: max 64 devices.

**Addressing and acquisition of reactors**

LED legend	
	Orange 0,1 ON / 0,1 OFF
	Orange/Green 0,2 ON / 0,5 OFF
	Orange/Green 0,5 ON / 0,5 OFF
	Steady green



(\* NOTE: The procedure can only be completed if the device is not configured.

**Addressing and acquisition of the added reactors after the first acquisition**

LED legend	
	Steady green
	Steady orange
	Orange 0,5 ON / 0,5 OFF

