

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, RGB, RGBW e Tunable White, 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.

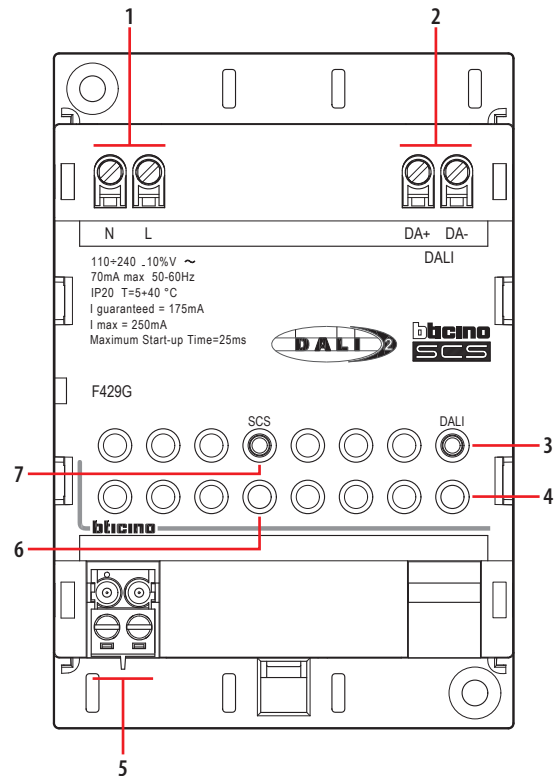
In case of existing installations with the MHS1 server, it is possible to guarantee the system upgrade and functional extension through the backup & restore function directly from Home + Project, without having to reconfigure the system from scratch.

Technical data

Operating temperature:	5 – 40 °C
BUS SCS input	
Power supply:	18 – 27 Vdc
Absorption:	6 mA
Input 230 Vac	
Voltage:	110 – 240 Vac
Operating frequency:	50/60 Hz
Absorption:	70 mA max
DALI output	
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 ²
Compatible DALI loads:	all
Compatible DALI-2 loads:	DT0, DT6, DT8 (up to RGBW on single channel)*

* **Note:** Check that the Dali certification (Dali or Dali2 logo) is present on the device. The device must be included in the Dali Alliance product database (www.dali-alliance.org).

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 load on the DALI output is ON
Green LED steady = all the loads are OFF
Orange/green LED flashing = addressing and acquisition of DALI loads 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

Dimensional data

Size: 4 DIN modules.

Configuration

For 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

Download App



Home + Project

ANDROID: requires Android 5.0 or later with access to Google Play



iOS: requires an iPhone with iOS 12,0 or later

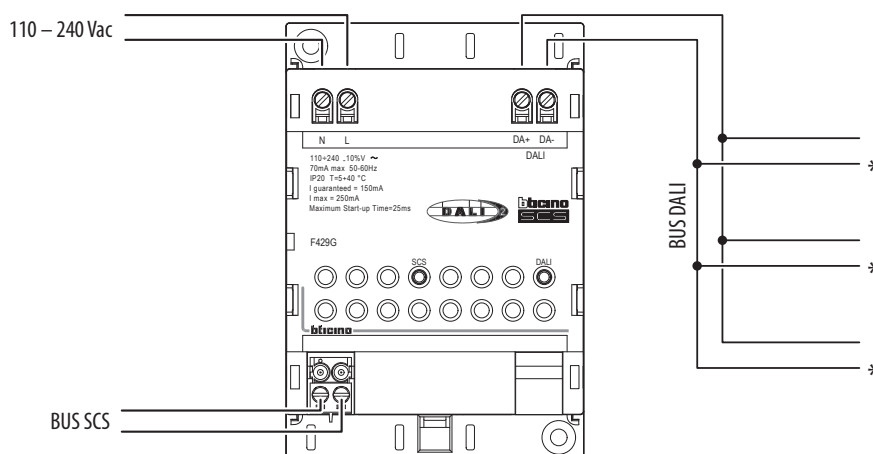


Only install non-configured loads: the addressing of loads is assigned automatically by the device.

In the event of load hot-swap, restart the device.

When replacing a device with a new one on an already configured system, there is no need to perform any operations on the loads.





Wiring diagrams

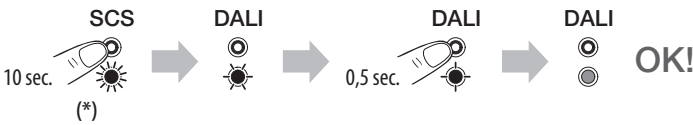


* DALI devices: max 64 devices.

Addressing and acquisition of reactors




Procedure to be followed when configuring the F429G device for the first time

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.
NOTE: Perform the procedure when installing previously configured loads.

Procedure to be followed when adding and configuring a new load on an already configured F429G device

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



NOTE: After both procedures are completed, it is recommended to scan the SCS Bus using the Home + Project application.