

DALI-2 Dimmer

F429D

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 2 independent outputs to control up to 32 DALI-2 ballasts (2 groups of 16 lamps). 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 H+P app configuration. Suitable for installations with only some DALI-2 lamps.

The buttons with respective notification LEDs set the SCS and DALI operating modes. The SCS button (10) sets the device for virtual configuration, the DALI buttons (4 and 5) are used to turn on and off and to dimmer the DALI outputs: (4) is for output 1, (5) is for output 2.

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 H+P, without having to reconfigure the system from scratch.

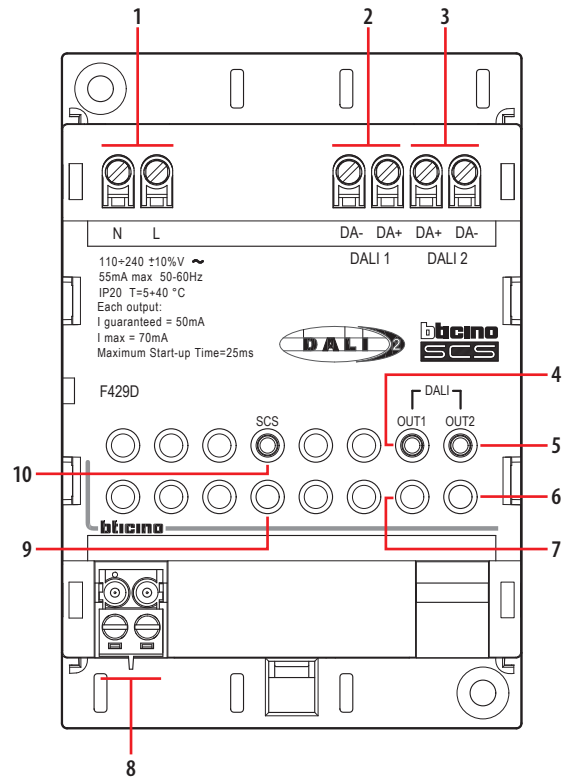
Technical data

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:	55 mA max
DALI output	
Rated voltage:	16 Vdc
Rated power:	1.1 W
Max. current:	70 mA (each output)
Guaranteed current:	50 mA (each output)
Maximum Start-up Time:	25 ms
Number of DALI devices that can be controlled:	16 for each output, for a total of 32
Maximum length of the cable:	300 m
Cable section:	1.5 mm ²

Dimensional data

Size: 4 DIN modules.

Front view



Legend

1. PRIMARY connection clamps
2. Connections clamps 1 for DALI GEAR control
3. Connections clamps 2 for DALI GEAR control
4. Load ON/OFF pushbutton 1 for DALI GEAR control
5. Load ON/OFF pushbutton 2 for DALI GEAR control
6. Output notification LED 2 for DALI GEAR control *
7. Output notification LED 1 for DALI GEAR control *
8. BUS SCS connection clamps
9. BUS SCS output notification LED
Green LED steady = power supply present
Orange/green LED flashing quickly = no configuration
Orange/green LED flashing intermittently = configuration being completed
10. SCS configuration pushbutton

* Orange LED steady = at least one reactor on the DALI output is ON
Green LED = configured output and all the reactors are OFF
Led off = output not configured
Orange/green LED flashing = addressing and acquisition of DALI reactors running

Configuration

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



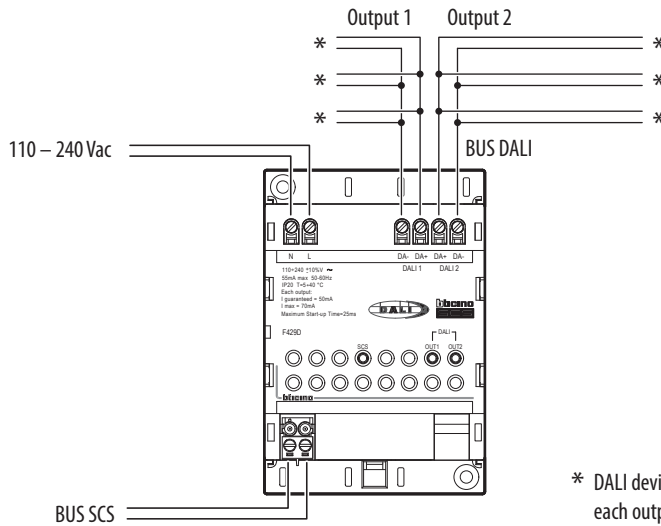
www.homesystems-legrandgroup.com

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. 16 ballast for each output

Addressing and acquisition of reactors

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



Addressing and acquisition of the added reactors after the first acquisition

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

