



Dimmer actuator in DIN module

F413N

Description

Control device for electronic ballast or driver power supply with dimmer function; it can supply fluorescent lamps or LED lamps and adjust their brightness depending on the voltage, with values between 1 and 10V, with which they are driven.

From any specially configured control point and connected to the BUS system one can switch the lights connected ON and OFF or set their brightness. A short pressure of the control key will switch the load ON or OFF, while an extended pressure can be used to adjust the brightness level. The minimum brightness level and the type of load connected (Ballast for fluorescents or driver for LED) can be selected during the configuration.

The device may be installed in a MY HOME system and can be configured both physically and virtually, or as a component of the Lighting Management system, using specific configuration procedures (Plug&go, Project&Download).

Technical data

Power supply from BUS:	27 Vdc
Operating power supply with SCS BUS:	18 – 27 Vdc
Absorption:	30 mA
Operating temperature:	(-5) – (+45) °C
Linear fluorescent lamp:	2 A / 460 W
	MAX. 10 ballast type T5, T8, compact or driver for LED
Dissipated power with max. load:	1 W

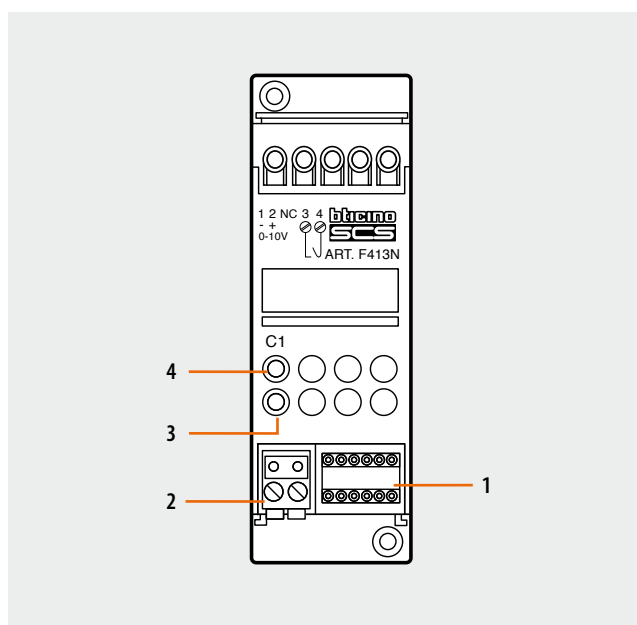
Dimensional data

Size: 2 DIN modules

MY HOME Configuration

When installed in a MY HOME system, the device may be configured in two ways:

- PHYSICAL CONFIGURATION, by connecting the physical configurators to their sockets.
- VIRTUAL CONFIGURATION, by connecting the system to the PC using the Kit or the Web server. The Virtual configurator software must be installed on the PC.



Legend

1. Configurator socket
(attention, it must only be used in MY HOME systems with physical configuration).
2. BUS
3. LED
4. Pushbutton

Physical configuration

The actuator performs all the Basic operating modes that can be configured directly on the control, apart from those which require the use of 2 interlocked relays.

1) Operating mode with configurator in M

Possible function	Configurator in M
Actuator as Slave. Receives a control sent by a Master actuator with the same address	SLA
Pushbutton (ON monostable) ignores Room and General controls	PUL
Master Actuator with OFF control delayed on the corresponding Slave actuator. Only for point-point control. With the OFF control the Master actuator deactivates; the Slave actuator deactivates after the time set with the configurators has elapsed ¹⁾	1 – 4 ¹⁾
Normal operation	-

1) The ON control activates the Master actuator and the Slave actuator at the same time. The next OFF control deactivates the Master actuator and keeps the Slave actuator active for the period of time set with configurator 1 - 4 connected to M of the Master actuator as indicated in the table.

Configurator	Time (minutes)
1	1
2	2
3	3
4	4

2) Operating mode with configurator in L "Selection of the minimum brightness level":

The configurator in the L position establishes the minimum output voltage between the 1 - 2 clamps when the load is on, thus allowing the minimum intensity level to be selected. 5 different voltage levels can be selected, so that the standard 0-10V is possible as well as the standard 1-10V.

Configurator L	Minimum output voltage (V)
none	1
1	1.5
2	2
3	0
4	0.5

3) Configurator in TYPE "Selecting the type of load used":

In the TYPE position the configurator determines the type of load used on the basis of the following table.

If ballasts for fluorescent lamps with typical switching ON delay of 1.5s are used, the device will send the soft/start switching ON control taking account of the delay.

If power supplies for LED lamps must be controlled instead the device will send an immediate soft/start switching ON control.

Configurator type	Load driven
No configurator	Fluorescent ballast
1	LED driver

Virtual configuration

Using the Virtual Configurator software it is possible to perform all the functions listed below:

- dimmer

Lighting Management configuration

Add the section before the wiring diagrams:

Lighting Management configuration

When installed in a Lighting Management system, the device can be configured in the following ways:

- Plug&Go
- Project&Download,

Using the Virtual Configurator software it is possible to perform all the functions listed below:

- dimmer

For more information on the functions see the glossary before the Technical sheets chapter.

Wiring diagram

