Dimmer

DM490220 v1.0

General description

DM490220 is a two channels proportional actuator that allows to regulate LED lightning up to 400W each one with transformers incorporated or not (except electromagnetic).

Designed to obtain a precise digital regulation receiving orders through the KNX bus or from any conventional pushbutton connected to its low voltage input by using long/short pulsations method.

The regulating ramp speed (on/off lighting) and other dimming characteristics can be configured by programming.

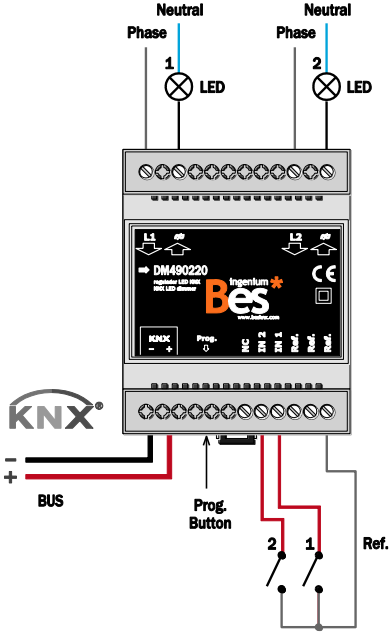
Characteristics

- 2 Regulation channels for LED lighting.
- 2 low voltage input (SELV) for pushbutton (non programmable)
- 8 Programmable scenes executed from bus commands.
- Remote enable / disable of bus control
- Overload circuit protection and thermal protection
- Digital regulation control based on microcontroller with more than 200 regulation points
- Last position memory in case of power failure

Technical information

KNX Supply	29V_{DC} from KNX BUS.
Current Consumption	5mA from KNX BUS
Inputs	2 low voltage inputs (SELV) referred to an internal reference (minimum activation current 5mA
Outputs	2 regulation channels for LED lighting
Maximum load supported	400W per channel
Minimum load required	7W per channel
Kinds of illumination	Suitable for LED. It also allows incandescent or halogen, preceded or not by transformers
Connections	BUS connection terminal KNX Screw terminal block for inputs and outputs.
Mounting / size	DIN rail / 4 modules
Environment temperature range	Operation: from -10ºC to 55ºC Storage: from -30ºC to 60ºC Transportation: from -30ºC to 60ºC
Regulation	According to the directives of electromagnetic compatibility and low voltage. EN 50090-2-2 / UNE-EN 61000-6-3:2007 / UNE-EN 61000-6-1:2007 / UNE-EN 61010-1

Installation



Observations

Install low voltage lines (KNX bus and inputs) in a ducting separated from the power (230V) and outputs lines ducting to ensure there is enough insulation and avoid interferences.

Do not connect the main voltages (230V) or any other external voltages to any point of the KNX bus or inputs.

QR Code

Ingenium, Ingeniería y Domótica S.L. - Parque Tecnológico de Asturias, Parcela 50 - 33428 Llanera, Asturias, Spain
T (+34) 985 757 195 - tec@besknx.com - www.besknx.com - www.ingeniumsl.com