Dimmer
RKLED500 – V1.1

KNX® CE

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.

General description

The RKLED500 is a one channel proportional actuator that allows to regulate LED lightning up to 500W with transformers incorporated or not.

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

1 Regulation channel for LED lighting.

1 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 - 29VDC from KNX BUS.

Current Consumption - 5mA from KNX BUS.

Inputs - 1 low voltage input (SELV) referred to an internal reference (minimum activation current 5mA).

Outputs – 1 regulation channel for LED lighting

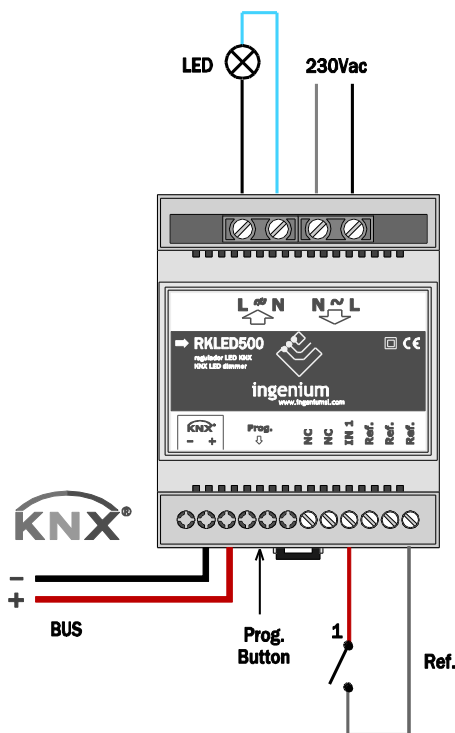**Maximum load supported -** 500W

Minimum load required - 7W

Connections - BUS connection terminal KNX.

Mounting – Din rail, 4 modules.

Installation

Remarks ⚠

Feed low voltage lines (KNX bus and inputs) in separate ducting to that of power (230V) and outputs to ensure there is enough insulation and avoid interferences.

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