Capacitive touch buttons

PLX12X00 v1.2

www.besknx.com

General description

The PLX12X00 model is a capacitive pushbutton composed of 2 independent touch areas, fully customizable and 2 LED indicators, with ability to select its brightness, in each of the touch areas. In addition, it includes thermostat and humidity sensor with calculation of the dew temperature.

Its independent touch areas allow the control of electric circuits on / off, light regulation, blind control, etc... of any KNX device.

In addition, it incorporates an arithmetic and logic unit (UAL) that allows programming complex logic operations, programming of timers, counters, etc.

Characteristics

- 2 LED indicators
- 2 independent programmable touch areas able to work as switch or push buttons
- 1 internal thermostat
- 1 humidity sensor
- Arithmetic and Logic Unit (ALU) that allows to program complex logic operations, timers programming, counters, etc. using internal or external variables.
- Cleaning and night programmable modes.

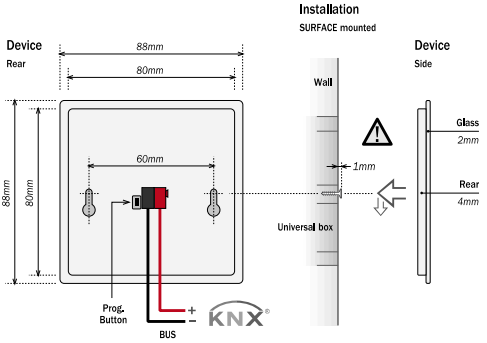
Technical information

Supply	29V_{DC} from KNX BUS
Consumption	10 mA from KNX BUS*
Mounting	Built-in on universal distribution box
Size	88 x 88 x 6 mm
Connections	Connection terminal KNX bus.
Touch areas	2 touch areas
LED indicators	2 LED indicators
Environment temperature range	Operation: -10ºC a 55ºC Storage: -30ºC a 60ºC Transportation: -30ºC a 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

**Equivalent to 2 BUS devices (1 BUS device = 5 mA)*

Installation

The device is installed hanging from the two parallel grooves on its rear.
*Two **conical head screws** are used in wall and/or universal mechanism box.*
*It is **VERY IMPORTANT** that the screws head excels **1mm** from the wall.*



Remarks

Install low voltage lines (KNX bus and inputs) in a ducting separated from the power (230V) 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.

QR-Code

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