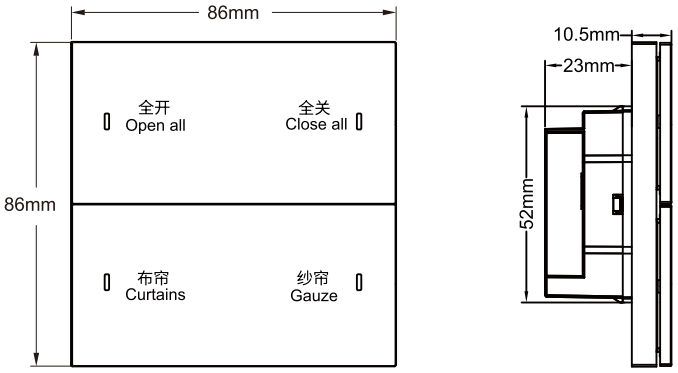
# KNX E2 4G Push Button Keypad

Datasheet

KE.MK1204-E2

## Dimension



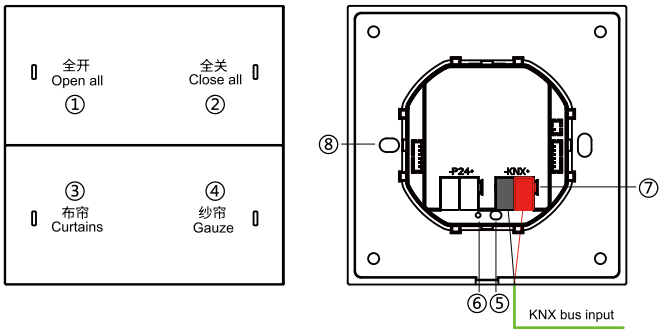

## Function

(1) Switch function, which can be used to switch lighting, with long press, short press and inversion functions;
(2) Dimming function, which controls the dimming device, with relative dimming and absolute dimming function output;
(3) Curtain control function, which can control the opening and closing of curtains, the lifting and lowering of projection screens, etc.;
(4) Value sending, which can send 1bit/1byte value;
(5) Scene control function, which can perform 8bit scene control and call the set scene number;
(6) Shift register, which sends values in the form of shift register;
(7) RGB and RGBW control, which can be controlled by long press or short press;
(8) Multiple operation function, which can send different values at the same time and call different types of functions in one operation;
(9) Delayed value sending, which sends a value or does not send it during operation, and sends another value after a delay;
(10) Logic output function, which supports OR, AND, XOR, NOR and NAND logic outputs;
(11) Scene module conversion function, which supports up to 8-channel scene group forwarding, each group supports up to 8 configurable outputs;
(12) LED indication function, multiple display states can be selected, such as: normally open, normally closed, flashing...
(13) It has the master-slave function of device lighting and can be used as a host device or a slave device according to needs;
(14) The status and backlight LEDs have the functions of brightness wake-up and delayed extinguishing. The wake-up conditions include button pressing, radar sensing, object triggering, etc.

## Parameters

| | |
|---|---|
| Bus voltage: | 21-30 VDC, KNX bus power |
| Bus current: | ≤ 12mA |
| Bus power: | ≤ 360mW |
| Operating Temperature: | -5°C...+45°C |
| Storage temperature: | -25°C...+55°C |
| Transportation temperature: | -25°C...+70°C |
| Relative humidity: | Max 90% |
| Shell material: | Metal+PC |
| Dimensions: | 86mm x 86mm x 33.5mm |
| Weight: | About 0.21kg |
| Installation: | 80/86 bottom box |

## Wiring




①-④ Channel A-Channel D, each button has a feedback LED light, and the button can only be transparent after engraving (Press and hold 2 buttons for more than 5 seconds to enter or exit programming mode.);

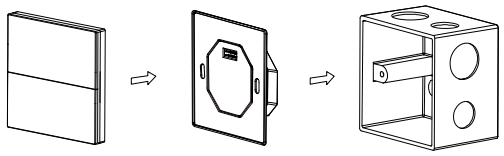
⑤ Programming button, click the button for the first time to enter the programming mode, click the button again to cancel the programming mode;

⑥ Programming indicator light, the indicator light is red, enters the programming state, in the programming state or when programming is completed, the indicator light automatically goes out;

⑦ KNX bus terminal;

⑧ Fixed bracket, used for standard 80/86 bottom box.

## Installation



Button front cover  KNX back cover  bottom box

1. The device is installed in a standard 80/86 junction box;
2. First, use a screwdriver to install the KNX back cover with the fixing bracket in the bottom box;
3. Fit the button front cover and the KNX back cover installed in the bottom box together, pay attention to the hole position when fitting, and then gently press the panel to fix it;
4. When you need to remove the panel from the bottom box, use a flat-blade screwdriver to gently pry the fixing bracket at the groove at the bottom of the panel, and then pick up the loose button front cover by hand.

## Safe use and maintenance

(1) Read all instructions carefully before use.

(2) Create a well-ventilated environment.

(3) During use, pay attention to moisture, shock and dust prevention.

(4) Do not expose to rain, other liquids or corrosive gases.

(5) If the machine is damp or invaded by liquid, it should be dried in time.

(6) If the machine fails, please contact professional maintenance personnel or our company.