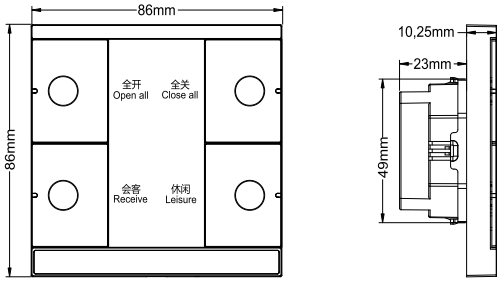
KNX E-Ink Smart Panel - 4 Keys

Datasheet

KE.MK1204E-L

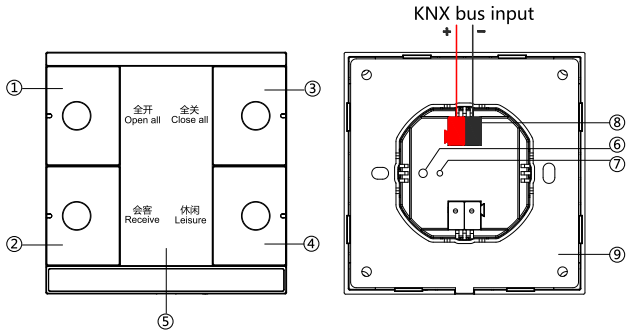
Dimension



Function

(1) Support configuring button label content via APP and ETS;
(2) Switch function, applicable for lighting on/off control, supporting long-press, short-press and toggle functions;
(3) Dimming function for dimmable device control, with relative dimming and absolute dimming;
(4) Curtain control function to control curtain opening/closing, projection screen lifting/lowering, etc.;
(5) Value transmission, capable of sending values of 1bit / 1byte;
(6) Scene control function, 8-bit scene control available for invoking pre-configured scene numbers;
(7) Shift register, transmits values in shift-register mode;
(8) RGB and RGBW control, operable via long-press or short-press;
(9) Multi-operation function: trigger once to send different values and invoke multiple types of functions simultaneously;
(10) Delayed value transmission: send a value or no value upon operation, then transmit another value after a set delay;
(11) Logic output function, supporting logic outputs including OR, AND, XOR,NOR and NAND;
(12) Scene module conversion function: supports forwarding of up to 8 scene groups, with each group allowing a maximum of 8 configurable outputs;
(13) LED indication function with multiple selectable display states, e.g.: normally-on, normally-off, flashing…;
(14) Device backlight master-slave function, configurable as master or slave device as required;
(15) Status and backlight LED feature brightness wake-up and delayed-off functions. Wake-up triggers include key press, radar detection, object trigger, etc.

Wiring



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

⑤ Screen display area: shows the button label content;

⑥ Programming button, click the button for the first time to enter the programming mode, click the button again to cancel the programming mode;

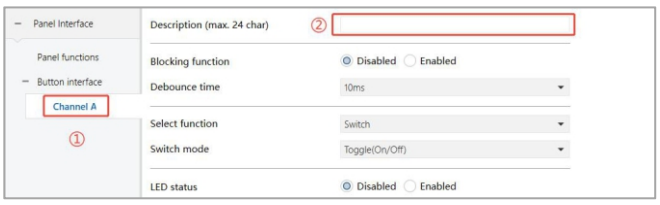
⑦ Programming indicator light, the indicator light is red, enters the programming state, in the programming state or when programming is completed, the indicator light automatically goes out;

⑧ KNX bus terminal, connects the red wire to "+" and the black wire to "-";

⑨ Fixed bracket, used for standard 80/86 bottom box.

Label Configuration

Method 1: ETS configuration. Configure the label content of channels in the database.



① Select the required channel ChannelX (X=A~H); Channel A is used here as an example;

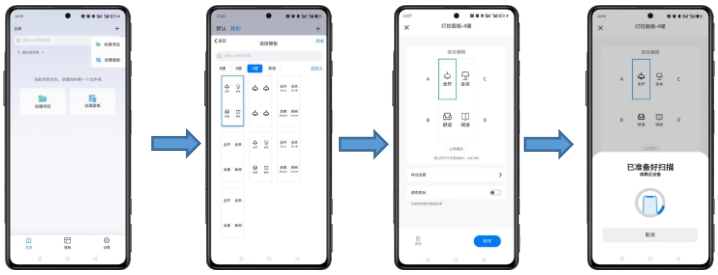
② Enter the label content in the "Description" parameter. Maximum 6 Chinese characters or 21 English letters;

③ Download the ETS database to the panel.

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 0.15kg
Installation:	80/86 bottom box

Method 2: APP editing, upload label content via NFC function.



① ② ③ ④

① Create the panel;

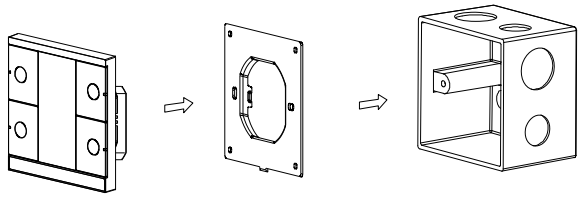
② Select the button label template;

③ Edit the button label content (optional; skip this step if template content is sufficient);

④ Tap "Write", place the phone close to the NFC area of the panel to upload label content to the panel.

Note: The mobile phone shall support NFC function. The display of label information is affected by font size and font type, which can be flexibly configured.

Installation



Control Panel Mounting Bracket 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.