

KTE1TC

Touch Sensor

Operating instructions



Art. No. KTE1TC

For your safety

RISK
All work carried out on the unit may only be performed by skilled electricians. Observe the regulations valid in the country of use, as well as the valid KNX guidelines

CAUTION
Do not connect the main voltage (230 V) or any other external voltage to any point of the BUS, except for the specific connections.

Getting to know

The KNX Touch sensor is plugged into a flush mounted 80/86 box. Its 2 to 4 keys can be adjusted with different functions in various combinations (switching, dimming, blind, scene recall/restore, and brightness value, etc.).

With the appropriate parameters, it sends telegrams, for example, to actuators for switching on/off lights, for dimming lights, for recalling and saving light scenes, or for moving blinds/shutters up or down and even to send temperature or brightness values (2 Bytes) to the bus.

Status and operation indication is possible with 2 up to 4 LED's, which means each key has its own status LED.

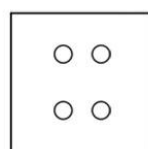
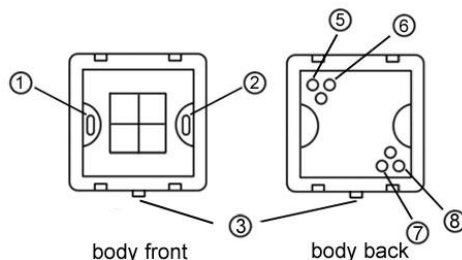
Function Description

- ◆ **Function switching:**
command at pressing/releasing of the touch sensor adjustable (ON, OFF, Toggle, None);
two level or One-key toggle;
- ◆ **Function dimming:**
short-click can retrieve ON/OFF;
long-press can retrieve darker/brighter, and after that release the press means stop dimming;
the short or long time can be parameterized;
- ◆ **Function shutter/blinds:**
short-click means stop/step;
long-click means UP/DOWN;
time between short and long time operation adjustable;
- ◆ **Function value transmitter:**
dimming value retrieve;
brightness/temperature value transmit;
scene recall/save or learn when pressing more than 6 seconds;
- ◆ **LED Status display:**
operating display or by communication object, and the brightness of the LED status can be parameterized by ETS;

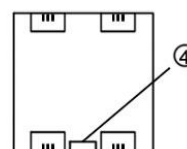
i Note

The style of the Glass Panel, such as the color, background, or the fonts can be designed for each customer. More information, please contact us.

Operating elements



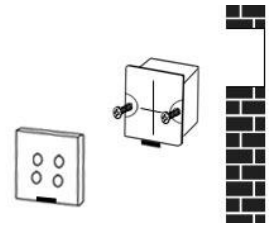
panel front



panel back

- ① Screw hole, left
- ② Screw hole, right
- ③ Buckle for fixing
- ④ Gap for the Buckle
- ⑤ Programming button
- ⑥ Programming LED, red
- ⑦ BUS+
- ⑧ BUS-

How to install the device



- ① **Wiring:**
connecting the KNX BUS at the back of the touch sensor (see figure above);
- ② **Physical Address:**
First you should assign the physical address before you mount the touch sensor into the wall. Now please Press the program button and using ETS to download the physical address;
- ③ **Mounting:**
fix the body of the touch sensor into the bottom box by using the matched screws
- ④ **Glass panel:**
Finally mount the glass panel onto the body of the touch sensor. Please note the direction of the glass (the **gap** should be at the bottom.)
- ⑤ **END:**
after the initialization-time (about 10 seconds), you can download the program and finish the work.

Technical Data

Supply	21 – 30V DC From KNX bus
Current consumption	< 10 mA
Connectors	Screw connections
Ambient temperature	0°C to +70°C
Storage temperature	-25 °C to +70°C
Type of protection	IP20
Indicator	Programming LED On when pushing the programming button
Install/Dimensions	40 X 85 X 85mm Wall mounting