

KNX-Infrared Conversion Gateway

User Manual

KTS0-MINI-SQ



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Safety instructions

- Before installation, please read user manual carefully and observe relevant standards, directives, regulations and instructions.
- Electrical equipment must be installed and programmed by qualified technicians only.
- This device is manufactured according to the relevant technical specifications and have CE.
- For more information of this product, please contact the technical engineer of manufacturer.
- Users are not permitted to alter and maintain the product without the authorization of manufacturer.
- Failure to observe the instructions may cause damage to the device and result in fire or other hazards.

Product Overview

The KTS0-MINI-SQ is a functional control module that complies with the KNX technical standard. It is small in size but powerful in function, featuring functions such as timeout-triggered shielding commands, timeout-triggered loop detection, and loop-triggered control commands.

The KTS0-MINI-SQ module is compact in size and adopts an embedded installation method, making it convenient to install in various application scenarios, such as inside the bottom box of a switch panel, beside a ceiling sensor, etc. It only requires power supply from the KNX system.

It can count down in units of seconds, minutes, hours, or days. When the conditions are met, it will automatically and periodically trigger the set control functions. For example, it can disable the smart panel and the ports of the driver, or cycle through functions like forced on/off.

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Product Features

- Powered by the KNX bus.
- The product is compact in size, facilitating easy installation.
- It features functions such as timeout - triggered shielding commands and periodic countdown control.
- It can hide the source address of timeout transmissions.
- It has an automatic storage and memory function. After the device is powered on again, the current timing function will not be affected.
- It can perform timing in units of seconds, minutes, hours, or days. The shortest timing is 1 second, and the longest is 255 days.
- It can enable, pause, or reset timeout commands.
- Programming and debugging are carried out using ETS3/4/5.

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Programming instructions

1. Select the corresponding product database and import it into ETS.
2. Add the device to the project created in ETS.
3. Press the programming button of the device, and download its physical address through ETS. After the download is completed, the indicator lights of the programming button and the lens will turn off.
4. Open the device database. After setting its parameters and associating the corresponding group objects, perform the application download.
5. After changing the physical address of the device, repeat "Step 3".
6. After modifying the parameter settings or re - associating the "group objects", repeat "Step 4" to implement new functions.

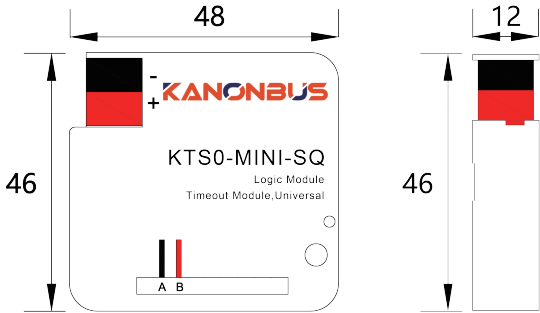
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Product parameters

| Parameters | Types | KTS0-MINI-SQ |
|---------------------|------------------------------|--------------|
| Power | | |
| Power Supply | KNX Power 21V~30V DC | |
| Transmission Media | KNX TP | |
| Total rated current | ≤10mA | |
| Product Info | | |
| Dimensions | 48mm×46mm×12mm | |
| Type of protection | IP20 | |
| Operation | 0℃~70℃ | |
| Storage | -25℃ ~70℃ | |
| Installation method | Embedded hidden installation | |
| Programming mode | S-mode | |
| Interface | | |
| KNX | 1 | |

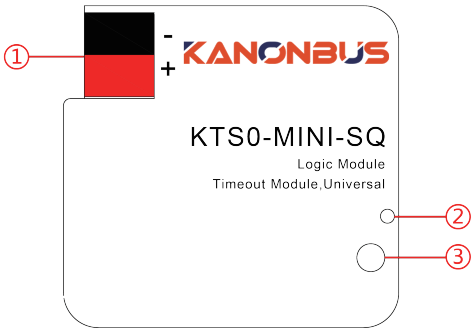
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Product dimensions



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Operating instructions



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Operating instructions

- ① KNX bus terminal
- ② KNX programming button indicator light. When the programming button is pressed, this indicator light will turn red. After the physical address is successfully downloaded, it will automatically go out. Additionally, this indicator light can also be turned on or off via the ETS software.
- ③ Programming button. Press it to write the physical address for the device.

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