

Operating and Installation Instructions

Code Number Keypad Toplock

CTS V, CTS BV

Keypad with separate evaluating processor unit

CTI, CTI B

With relay which is integrated in the keypad

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Subject to change

Description of function

The code number keypads are code switching devices which accept up to 5 different open codes.

Each code activates the same potential-free relay output. Via the keypad, up to 5 code numbers, each a maximum of 6 digits, are entered with a master code. Once the data has been entered, it will remain stored, even in the case of a power failure.

Subsequent to entering the valid open code and pressing the key with the bell symbol, the green LED lights up on the keypad and the relay is activated for approx. 2 seconds.

If the red LED lights up during the code entry an incorrect code has been entered.

The red LED goes out after a few seconds. Only then can a new code be entered. If an incorrect code has been entered 5 consecutive times, the keypad blocks for one minute.

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The device only consists of the keypad.

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The device consists of 2 parts: The keypad and the decoder. The keypad and the decoder are in sync as a pair with one key number.

Only keypads and decoders with the same key number can work together.

Programming the Devices

1 Programming a new open code

1.1 **Press the key “P”.** *The red LED starts to blink.*

1.2 **Enter the valid master code** (see also “Master Code Factory Setting”).

1.3 **Press the key with the bell symbol.** *The green LED starts to blink, the red one goes out. (If the red LED is continuously lit up or continues to blink and the green LED does not blink, the entered master code was incorrect. Wait until no LED is lit up and try again.)*

1.4 **Enter the new open code**

1.5 **Enter the number of the storage location (1 – 5) where you want to store the open code.**

1.6 **Press the key with the bell symbol.** *The green LED goes out and the new open code is now saved under the selected number.*

Important!

Since the number of digits of the open code which is saved under storage location no. 1 defines the number of valid digits of the open codes which are saved under the storage locations no. 2 – 5, it must be entered first.

The number of digits of the open code which is saved under storage location no. 1 must be the same for the other open codes.

Example: You want to save open code 4711 under the storage location no. 2:

Enter the digit sequence: 4711 2

If an open code which has been saved under a certain storage location is to be made invalid the corresponding storage location must be overwritten with the new open code.

2 Programming a new master code

2.1 **Press the key “P”.** *The red LED starts to blink.*

2.2 **Enter the valid master code** (see also “Master Code Factory Setting”).

2.3 **Press the key with the bell symbol.** *The green LED starts to blink, the red LED goes out. If the red LED is continuously lit up or continues to blink and the green LED does not blink the entered master code was incorrect. Wait until no LED is illuminated and try again.*

2.4 **Press the key “P”.** *The red and the green LED blink.*

2.5 **Enter the new master code**

2.6 **Press the key with the bell symbol.**

The red and the green LEDs go out and the new master code has been saved.

3 Programming the Key Number (only for CTS V, CTS BV) The key number can be found in the decoder.

3.1 **Press the key “P”.** *The red LED starts to blink.*

3.2 **Enter the valid master code** (see also “Master Code Factory Setting”).

3.3 **Press the key with the bell symbol.** *The green LED starts to blink, the red LED goes out. If the red LED is continuously lit up or continues to blink and the green LED does not blink the entered master code was incorrect. Wait until no LED is lit up and try again.*

3.4 **Press the key “P”.** *The red and the green LED blink.*

3.5 **Press the key “P”.** *The green LED goes out and only the red LED is still blinking.*

3.6 **Enter the 5-digit key number** (zeros which are placed in front must also be entered).

3.7 **Press the key with the bell symbol.** *The red LED goes out and the key number is now saved.*

4 Reset to Factory Setting

4.1 **Interrupt operating voltage.**

4.2.1 **Hold a magnet against key 7 of the square keypad or key 2 of the long keypad and reconnect the operating voltage at the same time.** *The red LED lights up and the green LED blinks briefly. As a result, CTS V, CTS BV has been reset to the factory setting.*

Important! At the time of switching-on, the magnet must be on the keypad. If the magnet is held against the keypad when the operating voltage is still on only the red LED lights up, but the keypad is not reset. This way, you can also find the correct position for the magnet.

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Attention! During reset, all programmed open codes and the master code are cleared. **After the reset, the factory setting applies.**

CTS V, CTS BV:

First of all, the key number must be programmed to guarantee the function of the keypad with the decoder. Only then, the open codes and the master code are to be reprogrammed.

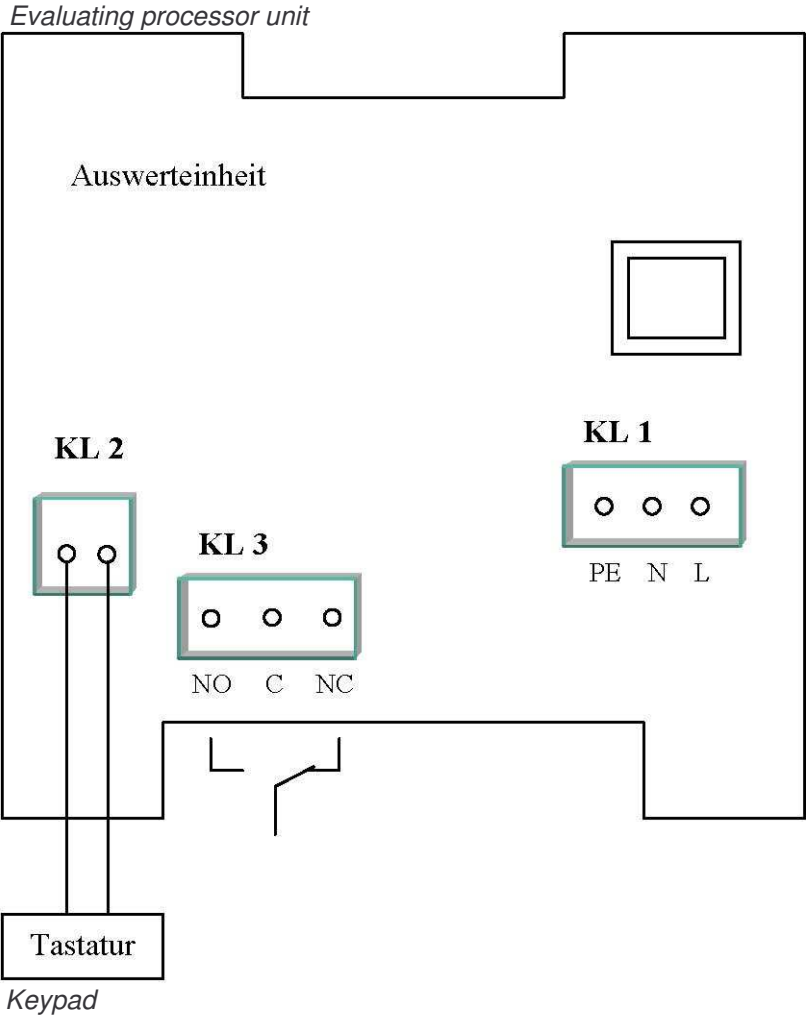
For security reasons, it is very important to change the factory setting again.

Factory setting master code: **11111**

Factory setting open code: **1234**

4 Pin Assignment:

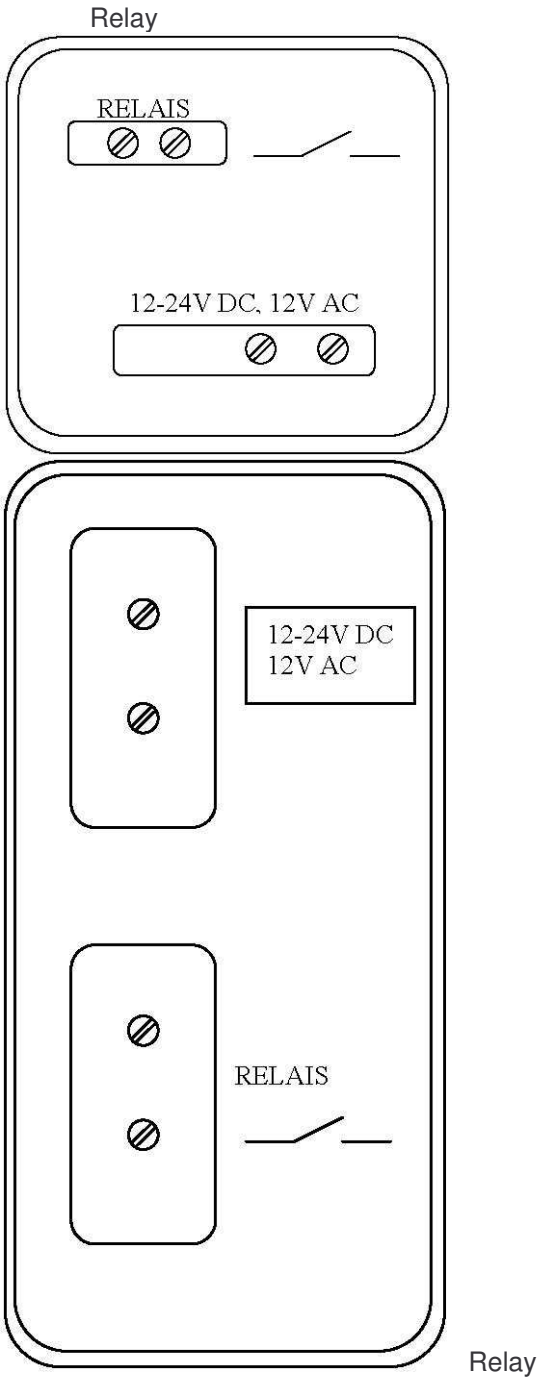
CTS V, CTS BV



Attention!!! Disconnect the device from the power for any installation work

5 Pin Assignment:

CTI CTI B



Attention!!! Disconnect the devices from the power for any installation work.

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