ORION Schaltgeräte GmbH

Keycode coding equipment KCS 1 3A (KCS 1A 3A)

The KCS 1 3A (KCS 1A 3A) is a decoder which accepts up to three different opening codes. Each code activates a separate floating relay output. Up to three random opening codes with up to eight digits each are entered via the keyboard with a master code. Once entered, the data are retained even in the event of a power failure. The unit is made up of two parts: the keyboard and the decoder. The decoder has three floating relay outputs and requires a power supply of 12-24 V AC or DC. In this way, up to three garages, for example, can be opened independently of one another with three different opening codes.

Setting:

Opening code 1 > Relay 1
Opening code 2 > Relay 2
Opening code 3 > Relay 3

When the valid opening code has been entered and the key with the bell symbol has been pressed, the green LED on the keyboard lights up and the relay picks up for approx. one second. As long as the LED lights up, the relay picks up again when one of the numerical keys is pressed. Movement of the door can be halted or reversed in this way, without having to enter another opening code. The green LED goes out 20 seconds after the last key is pressed and the KCS 1 3A (KCS 1A 3A) is disabled again. The key with the bell symbol must be pressed if it is to be disabled before this time has expired. The KCS 1 3A (KCS 1A 3A) is disabled immediately in this case. (This pulse repetition option does not apply for the KCS 1A 3A).

Installation of the KCS 1 3A (KCS 1A 3A)

The keyboard lead is plugged into the corresponding socket on the decoder. The relay outputs are wired in accordance with their functions. The device is operational as soon as the power supply is connected. **Correct polarity must be ensured if a DC supply is used.**

The yellow LED must light up in confirmation whenever one of the keys is pressed.

If the yellow LED begins to flash when the code has been entered, this means that the wrong code was used. The LED stops flashing after a few seconds. Only then can a new code be entered. The keyboard is disabled for one minute if the wrong code is entered five times in succession.

Technical data:

Supply voltage 12-24 V AC/DC

3 floating relay outputs 1X IN 24 V / 8 A

3 different opening codes with up to 8 digits each

Master code with 1 to 8 digits

A mains adapter must be used if the device is to be connected to 230 V.

Due to the design of the device, the relays must not be connected to a mains voltage, only to max. 24 V 8 A !

Programming the KCS 1 3A (KCS 1A 3A)

1.0 Programming a new opening code

1.1 Press "P". *The yellow LED lights up steadily.*

1.2 Enter the valid master code (see also "Factory setting, master code")

1.3 Press the key with the bell symbol. *The green and yellow LEDs light up. (If the yellow LED begins to flash and the green LED does not light up, this means that the wrong master code has been entered. Wait until the yellow LED stops flashing and start with step 1.1 again.)*

1.4 Enter the new opening code (up to 8 digits).

1.5 Enter the number of the relay which is to pick up with the new opening code (1-3).

1.6 Press the key with the bell symbol. *The yellow LED goes out and the green LED flashes for a few seconds. The new opening code is now saved and correlated with the selected relay.*

Example: Code = 4711: relay No. = 2. Type in the figures 47112. Relay 2 picks up when the opening code 4711 is entered.

2. Programming a new master code

2.1 Press "P". *The yellow LED lights up steadily.*

2.2 Enter the valid master code (see also "Factory setting, master code")

2.3 Press the key with the bell symbol. *The green and yellow LEDs light up.*

(If the yellow LED begins to flash and the green LED does not light up, this means that the wrong master code has been entered. Wait until the yellow LED stops flashing and start with step 2.1 again.)

2.4 Press "P". *The yellow LED lights up and the green LED flashes.*

2.5 Enter the new master code (up to 8 digits).

2.6 Press the key with the bell symbol. *The yellow LED goes out and the green LED flashes for a few seconds. The new master code is now saved.*

3.0 Programming the device without entering a master code

The device can also be programmed without entering a master code first. The housing of the decoder must be opened in this case.

3.1 Jumper JP1 (in the middle of the circuit board) must be set for approx. 1 second and then immediately removed again. *The yellow and green LEDs light up.*

The device is now in the same status as when a valid master code is entered. To program a new opening code, continue from step 1.4. Start with step 2.4 to program a new master code.

Factory setting of master code: 11111