

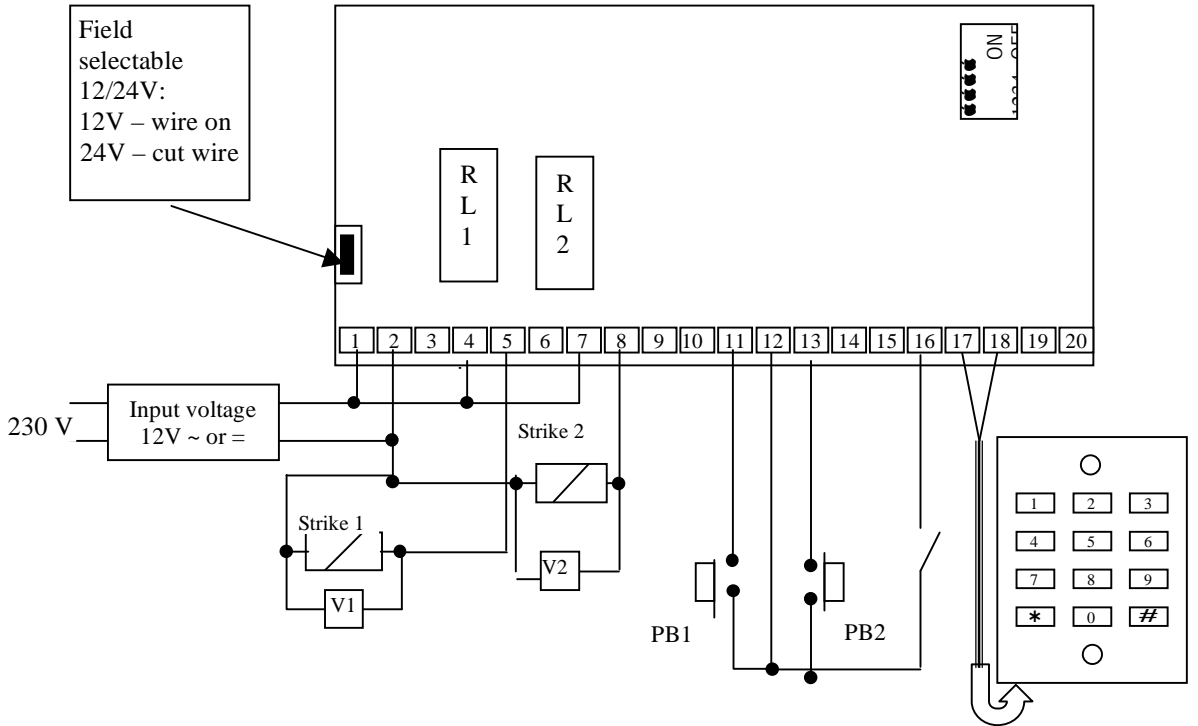


WIRING DIAGRAM AND INSTRUCTION

KCI100/2 RELAY

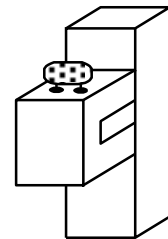
STAINLESS STEEL KEYPAD REMOTE CONTROLLER 100 USER CODES

Wiring diagram



1	Input voltage	11	Request-to-exit (push button) PB 1
2	Input voltage	12	common push buttons
3	[R] N/C contact RL 1	13	Request-to-exit (push button) PB 2
4	[C] common RL 1	16	Timer clock contact input:
5	[T] N/O contact RL 1		open – key “0” normal mode
6	[R] N/C contact RL 2		closed – key 0 external PB (request to enter)
7	[C] common RL 2	17	White wire keypad
8	[T] N/O contact RL 2	18	Brown wire keypad

This device comes with a varistor.
The varistor must be connected to the strike terminal (electromagnet...) operated by the device.
If this product works with many strikes, each of them should have a varistor.
The varistor controls the overload produced by the strike coil – back emf.



If you are using a « Shear Lock » electromagnetic lock, it is recommended to use a separate power supply than the one connected to the **KCI100!**

Technical specifications

Input voltage	12 or 24 V = or ~ (Do not use the latched output in 24V!)
Output	2 relay outputs 1 contact N/O & N/C 8A/250 V~
Operating temperature	-20°C to +50°C
User codes	100 programmable user codes (00 to 99)
User modification code	2-digit user modification code
Master code	4 or 5-digit programmable master code
Code length	Dip-switch n° 3 (ON for 4-digit code, OFF for 5-digit code)
Push button	Request-to-exit and key «0» as an external push button (control by the contact timer)
Keyboard	12-digit keypad and 1 buzzer

Default values

Factory's master code:	12345
Relays time output:	1 second
Key-in keypad and lit delay:	10 seconds
Programming delay:	120 seconds (2 minutes)
User modification code:	*# for relay 1 13 for relay 2

User codes

All the digit keys can be used to program a user code (0 to 9, * and #).
 The master code cannot be used as a user code.
 The 4-digit code 0000 and the 5-digit code 00000 are used to delete an existing user code and then cannot be used as user codes.

Push buttons

The request-to-exit button activates the relay (the relay can be programmed in momentary or latched time output).

The contact of the timer allows to program the « 0 » key as an external button:

Contact of the timer opened and dip-switch n°3 in position ON	- « 0 » digit external push button,
Contact of the timer closed	- « 0 » in normal mode

Dip-switches

DIP-SWITCH	ON	OFF
1	Programming by the user disabled	Programming enabled
2	Programming by keypad disabled	Programming enabled
3	4-digit user code	5-digit user code
4	Programming of master code enabled	Programming disabled

Setting a new master code

1. Select the user code length with dipswitch n° 3 (ON for a 4-digit code or OFF for a 5-digit code).
2. Put dipswitch #4 ON.
3. Enter the 4 or 5-digit master code (according to dip-switch n° 3 position) for a new master code. An audible beep indicates that the new master code is accepted.
4. Put back dipswitch n° 4 in position OFF to exit from programming and go back to a standby mode.

User code groups

GROUP	RANGE	RELAY	TIME DELAY SETTING CODE
1 (60 user codes)	00 to 59	RL1	*1
2 (40 user codes)	60 to 99	RL2	*2

Setting user codes and time delay

1. Put dipswitch n° 2 OFF (The programming from the keypad is enabled).
2. Enter the master code twice. Two beeps sound to confirm entry in programming mode.
3. Enter the user number (from 00 to 99), then the 4 or 5-digit user code (see programming board on the next page). A beep will sound to confirm that the code has been accepted.
4. Enter * 1(relay 1), then the time output in seconds – 01 for 1 second up to 99 for 99 seconds. For a latched output time enter 00.
5. Enter * 2 (relay 2), then the time output in seconds – 01 for 1 second up to 99 for 99 seconds. For a latched output time enter 00.

Do not use the latched output in 24V!

An audible beep sound to confirm that the time delay has been accepted.

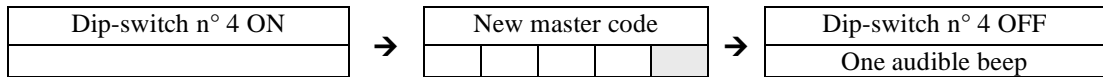
6. Enter * 9 to replace the user modification code for relay 1, then the 2-digit code. An audible beep sound to confirm that the new user modification code has been accepted.
7. Enter * 8 to replace the user modification code for relay 2, then the 2-digit code. An audible beep sound to confirm that the new user modification code has been accepted.
8. Press #. Two beeps confirm that the keypad is back to a standby mode.
9. Put dipswitch n° 2 back to ON (to disable the programming from keypad).

Four beeps indicate a data computing error.

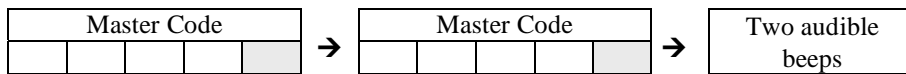
Setting user codes

- To set a new master code:

Set the code length by selecting the position on dipswitch n° 3 (ON for a 4-digit code, OFF for 5-digit code).

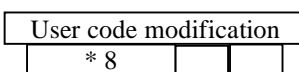
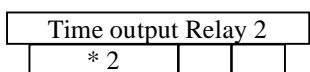
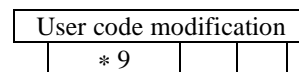
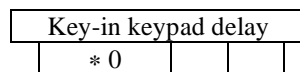
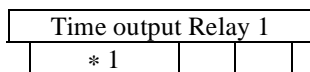


- Setting new user codes. Put dipswitch No. 2 OFF.



User codes

00					
04					
08					
12					
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99					



Press # to exit from the programming mode. Two beeps will sound to confirm that the keypad is in standby mode. Put dipswitch n° 2 back to ON.

Operator:		Date:
Building:		
N°:	Street:	
City:		
Other information:		

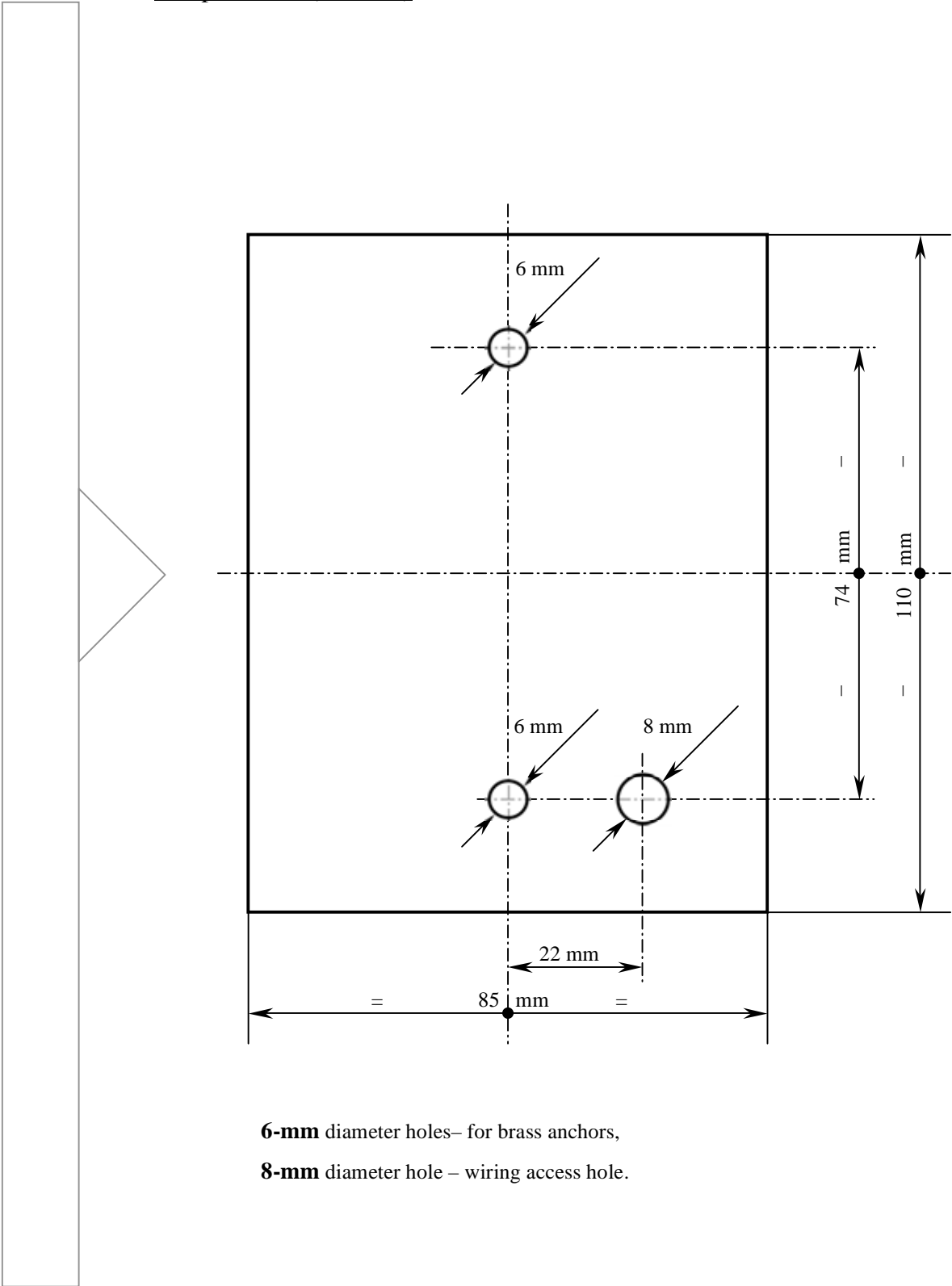
Operating instruction for changing a code by the user

Put dipswitch No. 1 ON to disable the modification of a code by the user or put dipswitch OFF to enable the modification of a code by the user.

1. Enter the user code. The relay is activated.
2. Enter immediately the 2-digit user modification code (for the first use the user modification code default is * and # for relay 1 group 1 from 00 to 59). To modify a user code in group 2 from 60 to 99 enter user modification code 13)
3. Enter the new user code twice. Two audible beeps indicate that the new user code is accepted.
4. Enter the new user code for testing it. The relay is activated.

If the new user code is not entered correctly, four beeps sound to confirm that the modification is not done.

Template KCI (real size)



6-mm diameter holes– for brass anchors,
8-mm diameter hole – wiring access hole.