

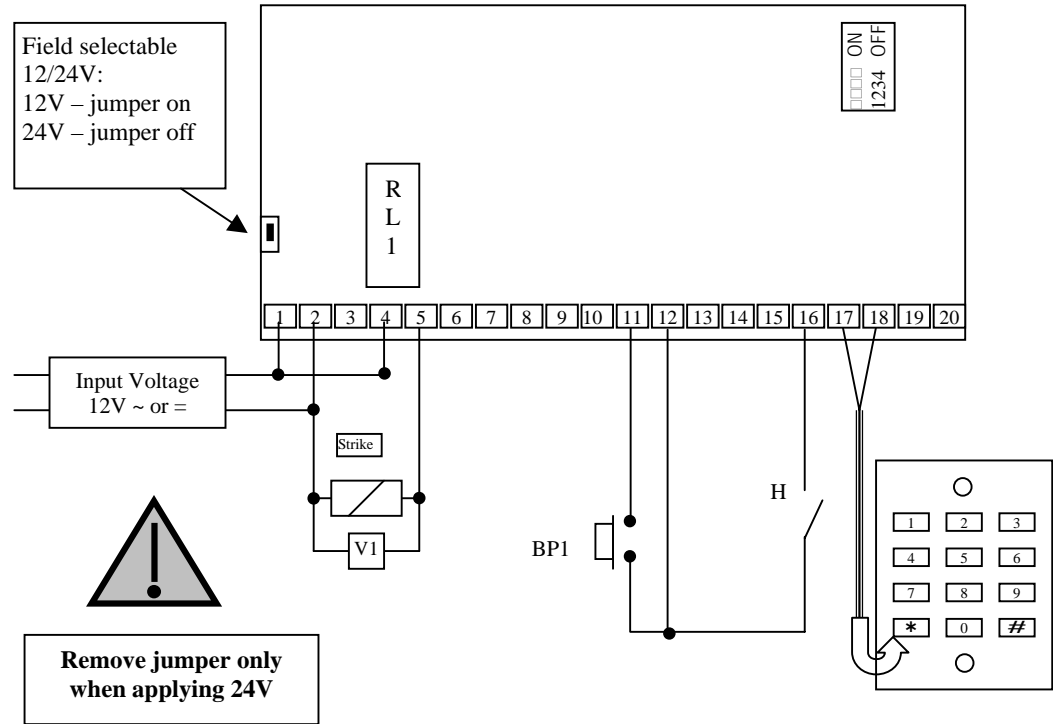


WIRING DIAGRAM AND INSTRUCTION

KCI100/1 RELAY

STAINLESS STEEL KEYPAD CODE 100 USER CODES,
1 RELAY ELECTRONIC SEPARATED

Wiring diagram



Field selectable
12/24V:
12V – jumper on
24V – jumper off

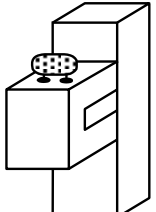
Input Voltage
12V ~ or =

**Remove jumper only
when applying 24V**

1	Input voltage
2	Input voltage
3	[R] N/C contact RL1
4	[C] Common RL1
5	[T] N/O contact RL1

11	Exit Push Button BP1
12	Common BP1
16	Timer clock Open – “0” key External PB disabled Closed – “0” key External PB operates RL1
17	White wire of keypad
18	Brown wire of 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	1 relay 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
Distance between keypad and remote controller	maximum 10 meters (cable 6 x 0.6 mm ²)

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

User codes

All the digit keys can be used to program a user code (0 to 9, * and # or A and B).
 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.

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 (for the door relay), 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.

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

Four beeps indicate a data computing error.

Changing a PIN 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.

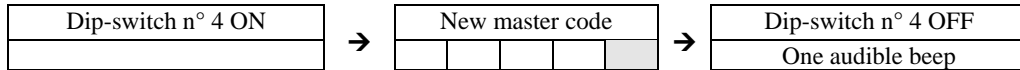
1. Enter the user code. The relay is activated.
2. Enter immediately the 2-digit user modification code (for the first use the user modification code default is * and #).
3. Enter the new user code twice. Two audible beeps indicate that the new user code is accepted.
4. Enter the new user code for testing 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.

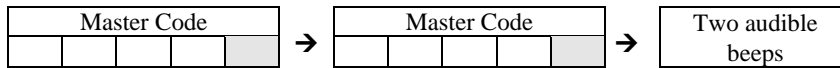
Setting user codes

- 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					
16					
20					
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Time output			
* 1			

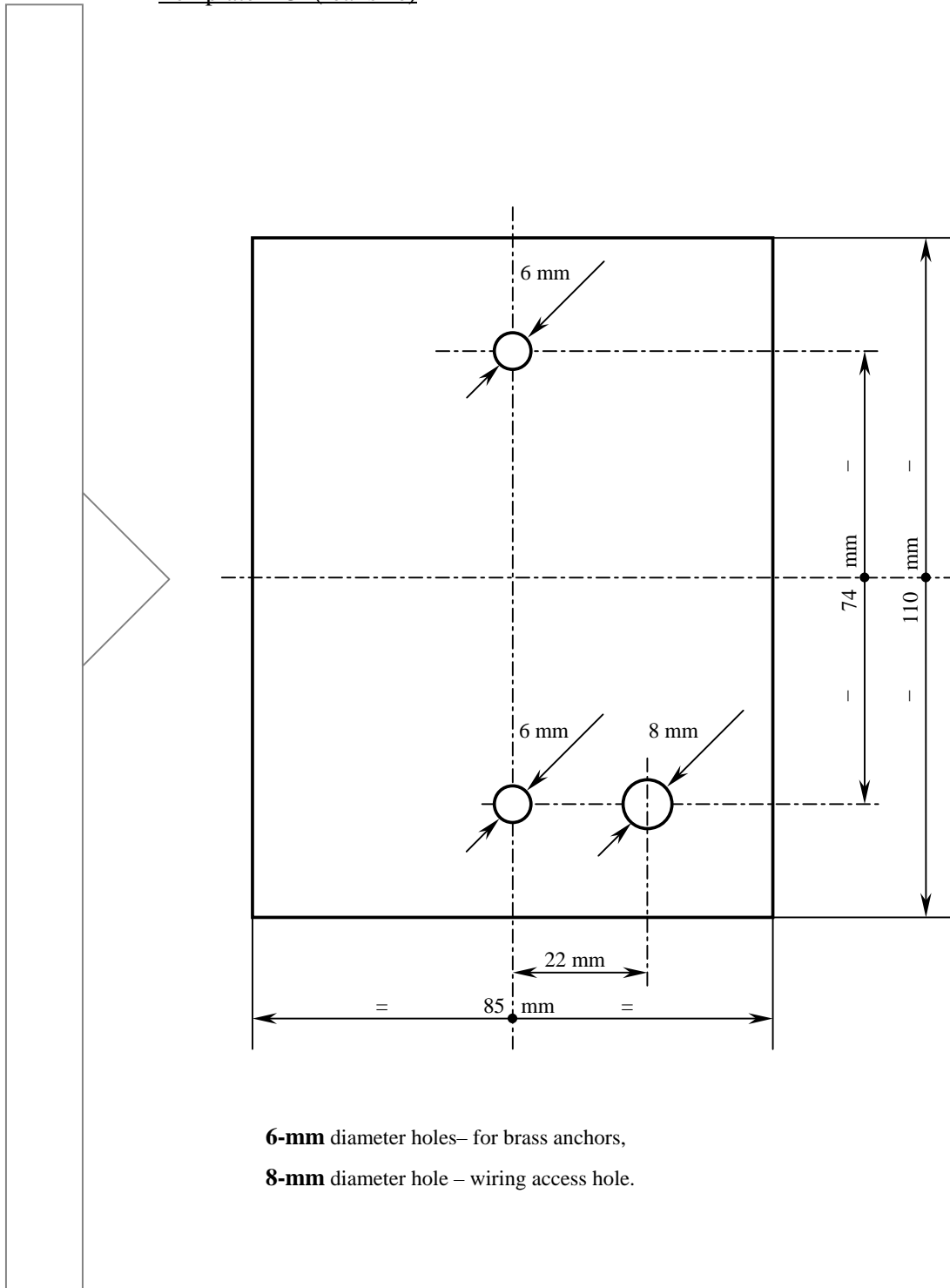
Key-in keypad delay			
* 0			

User modification code			
* 9			

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:		

Template KCI (real size)



6-mm diameter holes– for brass anchors,

8-mm diameter hole – wiring access hole.