Camden Manufacturing

CM-50SSR

50 USER CODES
WEATHERPROOF KEYPAD

Wiring diagram

V1 - varistor

Strike 1

R	Normally closed contact
C	Common
T	Normally open contact

120V~

Input voltage
12V AC/DC

V1

V 12

T C R

KCI

1 2 3 4

1 2 3 H H P1 C

1	White wire from keypad
2	Brown wire from keypad
H	Timer contact : open - «0» key normal mode close - «0» key external push button
P1	Request-to-exit PB1 (N.C.)
C	common PB1 and timer

H

PB1
(N.C.)
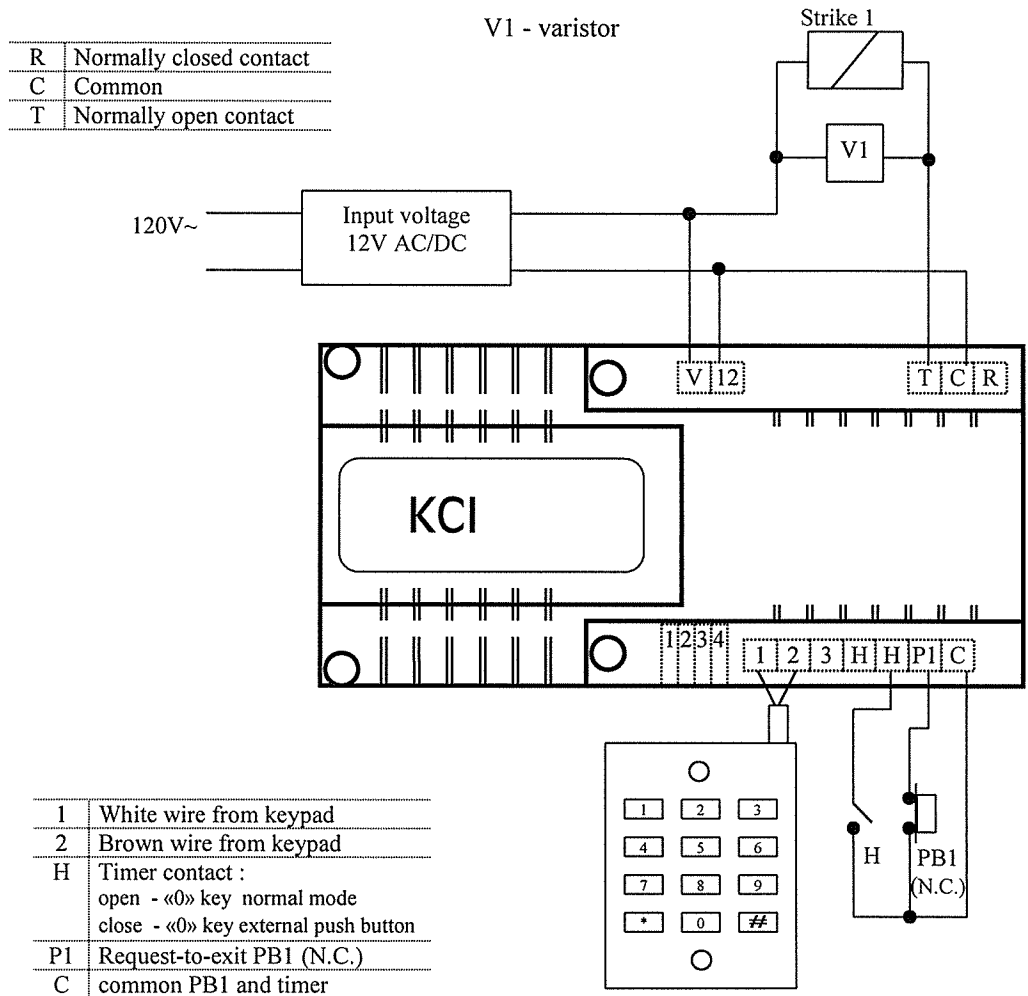
This device comes with a varistor.
The varistor must be connected to the strike terminal (electromagnet) operated by the device.
If this keypad code is connected to more than one strike, each strike should have a varistor. The varistor controls the overload produced by the strike coil Back - EMF.
If you are using a « Shear Lock » electromagnetic lock, it is recommended you use a separate power supply other than the one connected to the CM-50SSR.
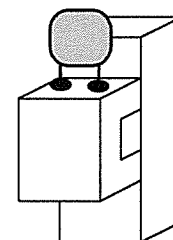
Technical specifications

Input voltage	12 V AC or DC
Output	1 relay 1 contact N.O & N.C 8A/250V~
User codes	50 user codes programmable by keypad
Master code	1 programmable master code
Code length	4 or 5-digit user codes or master code
Request-to-exit	Request-to-exit input and possibility to use the « 0 » key as external button
Keypad	12-digit keypad with built-in buzzer
Distance between the keypad and the electronic	maximum 50 m (cable of minimum 2 x 0.6 mm^2)

Default values

Factory's master code:	00000
Relay time delay:	1 second in momentary output
Keypad key-in delay:	10 seconds available between key-in
Lockout delay:	120 seconds

Dip-switches

1	ON	Without audible signals
	OFF	With audible signals
2	ON	programming disabled
	OFF	programming enabled
3	ON	4-digit code
	OFF	5-digit code
4	ON	Reset to the factory's master code
	OFF	Normal mode

Code length

The master code and user codes can be of 4 or 5-digit code (dip-switch n° 3).
All the digit keys can be used to program a user code (0 à 9, *and #).
The master code can not 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 can not be used as user codes.

Request-to-exit

The request-to-exit button activates relay 1 RL1 (the relay can be programmed in momentary or latched time output).

The contact of the timer allows using the « 0 » digit as an external button:
  Contact of the timer opened - « 0 » in normal mode,
  Contact of the timer closed - « 0 » digit external push button.

Audible signals

1 beep (long)	User code validated (if audible sound enabled – dip-switch n° 1 ON)
	Or validation of the master code, a user code or a time delay
2 beeps (short)	Entering in the programming mode
	Or exit from the programming mode
4 beeps (short)	False position code number entered
	Or false user code or false time delay value

Setting a new Master Code

1. Put dip-switch n° 2 on position OFF to enable the programming.
2. Choose the master code length by putting dip-switch n° 3 on position ON – 4 digit master code, OFF – 5 digit master code).
3. Enter twice the master code (for the first use the factory's master is 1234 or 12345). 2 beeps confirm the entering in the programming mode.
4. Enter 60 then the 4 or 5 digit of the new master code. An audible beep indicates the validation of the code.
5. Press # to exit from the programming. 2 beeps confirm that you came back to the normal mode. Put dip-switch n° 2 on position ON.

   4 beeps indicate a data error.

Reset of the Master Code

1. Choose the master code length by putting dip-switch n° 3 on position ON – 4-digit master code, OFF – 5-digit master code).
2. Put dip-switch n° 4 on position ON.
3. After approximately 6 seconds the factory's master code is restored. An audible beep confirms the factory's master code 1234 or 12345.
4. Put dip-switch n° 4 on position OFF.

Setting User Codes and Time Delays

1. Put dip-switch n° 2 OFF to allow the programming.
2. Choose the code length (dip-switch n° 3 ON – 4 digit, OFF – 5 digit).
3. Enter twice the master code (for the first use the factory's master is 1234 or 12345). 2 audible beeps indicate that you have entered in the user codes or the time delays programming mode.
4. Enter the position code number to be programmed (from 00 to 49), then the 4 or 5 –digit user code (see programming board on the next page). An audible sound indicates the validation of the code.
5. Enter 51 to program the relay RL1, then time in seconds – 01 for 1 second up to 99 for 99 seconds. The time 00 corresponds to a latched output.
6. To exit from the programming mode press #. 2 beeps confirm that you went back to the normal mode. Put dip-switch n° 2 on position ON.
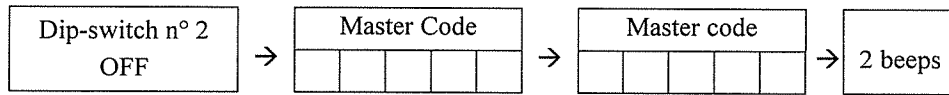
Warning! When dip-switch n° 2 is switched ON, it will disable the programming.

NOTE:

- 4 beeps indicates data error.
- The master code can not 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 can not be used as user codes.

User codes

To Set User Codes:

| Dip-switch n° 2 OFF | → | Master Code | → | Master code | → | 2 beeps |

Activates RL1 (ranks from 00 to 49)

00						→	beep		01							beep		02						→	beep
03						→	beep		04							beep		05						→	beep
06						→	Beep		07							beep		08						→	beep
09						→	beep		10							beep		11						→	beep
12						→	Beep		13							beep		14						→	beep
15						→	Beep		16							beep		17						→	beep
18						→	beep		19							beep		20						→	beep
21						→	beep		22							beep		23						→	beep
24						→	beep		25							beep		26						→	beep
27						→	beep		28							beep		29						→	beep
30						→	beep		31							beep		32						→	beep
33						→	beep		34							beep		35						→	beep
36						→	beep		37							beep		38						→	beep
39						→	beep		40							beep		41						→	beep
42						→	beep		43							beep		44						→	beep
45						→	beep		46							beep		47						→	beep
48						→	beep		49							beep

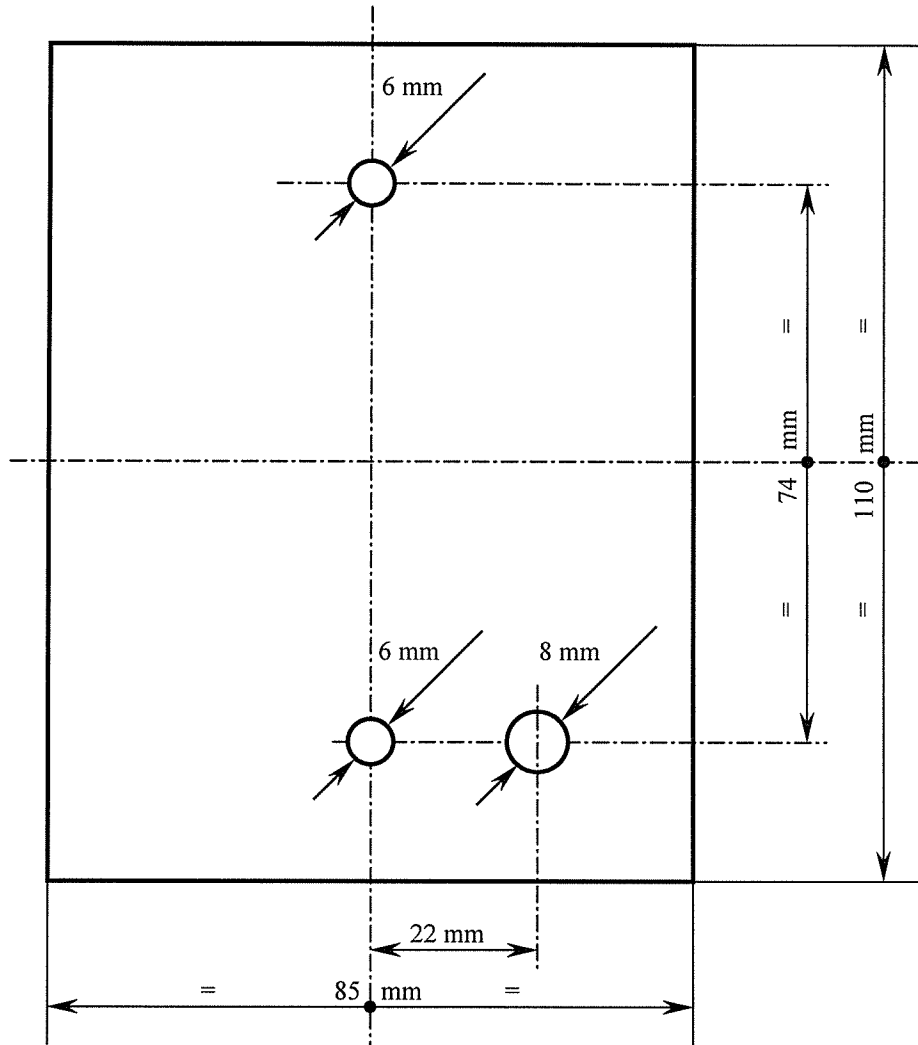| relay 1 time delay | | | | |
| 51 | | | → | beep |

To exit from the programming press #, 2 beeps confirm that you went back to a normal mode.
Put dip-switch n° 2 on position.
Warning! When dip-switch n° 2 is switched ON, it will disable the programming.

Supervisor :		date:
Building :		
N° :	Street :	
City :		
Other information :		

Template CM-50SSR (full size)

6 mm

6 mm   8 mm

74 mm   110 mm

22 mm

= 85 mm =

6-mm diameter holes– for brass anchors,

8-mm diameter hole – wiring access hole.