CDVI

KCIENSBP   **KCIEN**

Heavy Duty Stainless Steel Illuminated Keypads

Range: DIGICODE® (Stand-Alone Keypad)

INSTALLATION MANUAL

# Features:

- Input voltage:

  12V to 24V AC or 12V to 48V DC

- Illuminated keys

- Heavy duty stainless steel, vandal, dust & weather resistant (IP 64 DM)

- EEPROM memory storage

- 100 user codes (PIN) (4 to 6 digits)

- 2 form C outputs 6A @ 250V~

- 1 programmable master code

- Buzzer audible signal

- 1 request-to-exit input

- Maximum Consumption:
  When 2 relays activated with
  permanent keypad illumination
  12V DC: 90mA max - 24V DC: 50mA max
  12V AC: 70mA max - 24V AC: 40mA max

Default Values:

- Touch-activated illumination time: 10 secs

- Relay activation time: 1 second

- Code length: 5 digits

- Master code: 12345

- Programming mode time out: 120 seconds

- Sub-master code (00 to 59): * then #

- Sub-master code (60 to 99): 1 then 3

CONTENTS:

Varistor	Tool	Wall Plate Screw	Wall Plate	Jumper	Plastic anchor	Wood screw 3 x 40 mm
1	1	1	1	1	2	2

ST3

Piezo

Tamper

Black (ground)

Red

Input Voltage
12 to 24 Vac or 12 to 48 Vdc

Light Green (User can change their own code)

Purple (Common)

Dark Green (* Request-to-enter)

Light Blue (* Request-to-enter)

Pink (Request-to-exit)

Green/White (N.C. Relay 2)

Blue/Red (Com. Relay 2)

Pink/Grey (N.O. Relay 2)

Orange (N.C. Relay 1)

Yellow (Com. Relay 1)

Brown (N.O. Relay 1)

White

Grey

Tamper

To Purple

To Dark Green or
Light Blue

N.O.   **Com.**

**Optional
Programmable timer
TH827-12V**

Reset to factory default:

1. Turn OFF the power.

   Put ST3 jumper as shown on diagram

2. Turn ON the power. Wait a few seconds, one beep is emitted. Remove ST3 jumper.

3. The keypad is reset to factory default values and all user codes are deleted.

* It will open the door at any time on request-to-enter using the selected key (Dark Green: Any keypad key, Light Blue: KCIEN button). Use the optional programmable timer to control the request-to-enter time, see diagramm.

RESET MEMORY

1. Enter the master code twice (default: 12345)
   Two beeps are emitted to confirm entry in programming mode.

2. Press (*) then (6) One short beep is emitted. Press (*) then (#)
   to reset all memory. One short beep is emitted and the keys
   illumination turn off. The keypad is reset to factory default values
   and exits from programming mode.

OR

1. Turn OFF the power. Put ST3 jumper (see diagram).
2. Turn ON the power. Wait a few seconds, one beep is emitted.
   Remove ST3 jumper.
3. The keypad is reset to factory default values.

CODE LENGTH 4 TO 6 DIGITS (Default 5 digits)

1. Enter the master code twice (Default: 12345)
   Two beeps are emitted to confirm entry in programming mode.

2. Press (*) then (4) to enter in the code length menu.

   One short beep is emitted. Press (4), (5) or (6) to select the digit
   code length (4= 4 digits, 5= 5 digits and 6= 6 digits).
   One long beep is emitted to confirm programming.

4. Press (#) to exit from programming.
   Two beeps are emitted to confirm exit from programming mode.

   Master code or user code length change, some example:

   5 digit code: 12369, modified to 4 digits become: 2369
   (First digit is removed)

   5 digit code: 12369, modified to 6 digits become: 012369
   ("0" is added at the beginning of the code)

MASTER CODE (Default 12345)

1. Enter the master code twice.
   Two beeps are emitted to confirm entry in programming mode.

2. Press (*) then (5) One short beep is emitted.
   Enter the new master code (4 to 6 digits, see code length).
   One long beep is emitted to confirm programming.

3. Press (#) to exit from programming.
   Two beeps are emitted to confirm exit from programming mode.

ILLUMINATION TIME (Default: 10 seconds)

1. Enter the master code twice (Default: 12345).
   Two beeps are emitted to confirm entry in programming mode.

2. Press (*) then (0) One short beep is emitted.
   Enter the 2 digit time in seconds (10 to 99) or
   enter 00 for permanent keypad illumination.
   One long beep is emitted to confirm programming.

3. Press (#) to exit from programming.
   Two beeps are emitted to confirm exit from programming mode.

RELAY 1 OUTPUT TIME (Default: 1 second)

1. Enter the master code twice (Default: 12345).
   Two beeps are emitted to confirm entry in programming mode.

2. Press ✳ then ①
   One short beep is emitted. Enter the 2 digit time in seconds
   (01 to 99) Enter 00 for a latched output for relay 1.
   One long beep is emitted to confirm programming.

3. Press # to exit from programming.
   Two beeps are emitted to confirm exit from programming mode.

RELAY 2 OUTPUT TIME (Default: 1 second)

1. Enter the master code twice (Default: 12345).
   Two beeps are emitted to confirm entry in programming mode.

2. Press ✳ then ②
   One short beep is emitted. Enter the 2 digit time in seconds
   (01 to 99) Enter 00 for a latched output for relay 2.
   One long beep is emitted to confirm programming.

3. Press # to exit from programming.
   Two beeps are emitted to confirm exit from programming mode.

AUDIBLE FEEDBACK (Default: Disabled)

1. Enter the master code twice (Default: 12345).
   2 beeps are emitted to confirm entry in programming mode.

2. Press ✳ then ✳. One beep is emitted.

   Press ⓪ to disable or ① to enable the audible signal during a
   key press. One long beep is emitted to confirm programming.

3. Press # to exit from programming.
   Two beeps are emitted to confirm exit from programming mode.

USER CODES (PIN)

**User rank 00 to 59 activate relay 1 and
rank 60 to 99 activate relay 2**

You can NOT use all "0" for user codes (PIN). It is used
to delete an existing user code (PIN).

Step 1. Enter the master code twice (Default: 12345)
Two beeps are emitted to confirm entry in programming mode.

Step 2. Enter user rank
(00 to 59 activate relay 1 and 60 to 99 activate relay 2).
If the user rank is free, one short beep is emitted.
Go to step 3
If the user rank is NOT free, 4 short beeps are emitted.
Do one of these 3 options:

1: To overwrite existing code (PIN): Go to step 3
2: To delete current user code (PIN): Enter all "0"
   (4 to 6 digits) One long beep is emitted.
   Repeat Step 2 to add another user
   code (PIN) or go to step 4 to exit.
3: To exit without any change: Wait 120 seconds or
   enter the actual user code (PIN) for that rank.
   One long beep is emitted. Go to step 4 to exit.

Step 3. Enter the user code (PIN) (4 to 6 digits, default 5 digits).
If the user code is accepted, one short beep is emitted.
Repeat Step 2 to add another user code or go to step 4 to
exit.
If the user code exists or invalid, 4 short beeps are emitted.
Re-enter the rank and try another user code (PIN) or
wait 120 seconds to exit

Step 4. Press # to exit from programming.
Two beeps are emitted to confirm exit from programming

User Code Rank
(00 to 59 activate relay 1 & 60 to 99 activate relay 2)

User Codes (PIN)					
00					
01					
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
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17					
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21					
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User codes (PIN)					
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User codes (PIN)					
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User codes (PIN)					
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99					

CHANGING SUB MASTER CODE FOR RANK 00 TO 59

(Default: ✱ then #)

The Sub Master code allows the user to change their own code (PIN) without entering in programming mode.
For better security user codes (PIN) should be changed periodically.

1. Enter the master code twice (12345 default value master code).
    Two beeps are emitted to confirm entry in programming mode.

2. Press ✱ then 7. One short beep is emitted.
    Enter the new 2-digit sub master code.
    One long beep is emitted to confirm programming.

3. Press # to exit from the programming mode.
    Two beeps are emitted to confirm exit from programming mode.

CHANGING SUB MASTER CODE FOR RANK 60 TO 99

(Default: 1 then 3)

The Sub Master code allows the user to change their own code without entering programming mode.
For better security user codes (PIN) should be changed periodically.

1. Enter the master code twice (12345 default value master code).
    Two beeps are emitted to confirm entry in programming mode.

2. Press ✱ then 8. One short beep is emitted.
    Enter the new 2-digit sub master code.
    One long beep is emitted to confirm programming.

3. Press # to exit from the programming mode.
    Two beeps are emitted to confirm exit from programming mode.

ENABLING USERS TO CHANGE THEIR OWN CODE

To enable the user to change their own code, connect the light green and purple wires together when installing the keypad.

1. Enter the existing user code.
    The relay is activated and a beep is emitted.

2. Enter the 2-digit sub master code

    Default: Rank 00 to 59: ✱ then #

    Default: Rank 60 to 99: 1 then 3
    One long beep is emitted.

3. Enter the new user code (PIN).
    Two beeps are emitted to confirm the new user code and exit from programming.
    The illumination of the keypad switches off.

4. Try the new user code to make sure it activates the relay.

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