



# CDVI

31, av. du Gal Leclerc  
93500 PANTIN FRANCE  
Tel : 33 (0)1 48 91 01 02  
Fax : 33 (0)1 48 91 21 21  
www.cdvi.com

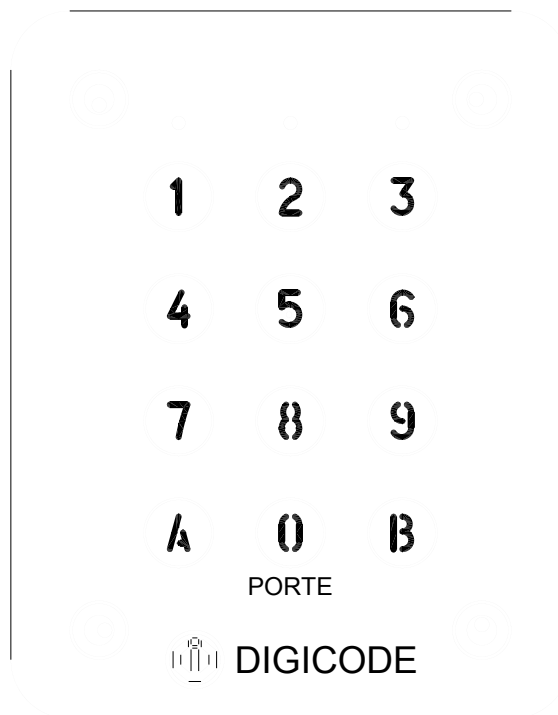
# CAASE

BACK-LIT KEYS KEYPAD  
100 USER CODES – FLUSH MOUNT

The visual feedback with the green, amber and red LED's is always active. It is possible to activate the audible feedback by putting **ST1 jumper on** (see page 8). Les indications sonores sont émises en même temps que l'affichage lumineux.

Rating  
**IP 54**

INSTALLATION



## MOUNTING KIT

Description	Désignation	Schéma
4	DIAX® screw - M5x16	
1	M5 DIAX® spanner	
1	05D 680K varistor	

Dimensions:

- Front plate: 120H x 95W x 2D (mm)
- Back casing: 105H x 80W x 45D (mm)

## **I. PRODUCT INFORMATION**

### **A. SPECIFICATIONS**

Input voltage 12V to 24 VAC  
12V to 48 VDC  
12-digit backlit keys keypad  
Visual feedback (Green, Amber and Red LED's)  
EPROM memory storage  
100 user codes programmable in 4 to 6-digit code length  
2 relay outputs N/O and N/C contact 8A @ 250V  
1 relay output N/O contact 6A @ 250V  
Master code programmable in 4 to 6-digit code length  
Audible feedback  
1 request-to-exit input  
P2 jumper: Reset to default master code and delete all user codes  
P3 jumper: User code modification by user active

#### Maximum Current Draw

In 12V AC: 20 mA in stand-by, 100 mA with all relays activated  
In 24V AC: 10 mA in stand-by, 50 mA max with all relays activated

### **B. Factory Default Values**

Back-lit time: 10 seconds  
Time relay output: 1 second  
Code length: 5-digit  
Master Code: 12345  
Programming mode time: 120 seconds  
Sub master code for user code modification User Group 1: A and B  
Sub master code for user code modification User Group 2: 1 and 3  
Sub master code for user code modification User Group 3: 4 and 6  
Red LEDs' lights on when keypad is powered.

### **C. Audible Feedback**

1 short beep	Keypad powered
1 long beep	Programming validated and relay activated
2 short beeps	Enter or Exit from programming
4 short beeps	Data computing error

### **D. Code length**

All the keypad keys can be used to program a code.  
The master code and the Pin code can be in 4 to 6-digits.  
The master code CAN NOT be used as a user code.  
Codes 000000, 00000 and 0000 can only be used to delete a user code. To delete a User Code enter the user number (location number) then enter 0000 if the code length is in 4-digit format, enter 00000 if the code length is in 5-digit format.

### **E. Request-to-Exit Input**

**This normally open loop that operates upon activation relay**

P1 input activates relay 1 (the time output is programmable).

H1 input can be used with a timer to allow free access by pressing on the O digit key. If the timer contact is open then the free access is deactivated. If the timer is closed then the free access is activated.

## **II. PROGRAMMING**

### ***A. Erase Keypad Memory / Reset Keypad to Factory Default Values***

1. Enter the master code twice (12345 default value master code).  
2 beeps are emitted to confirm entry in programming mode.
2. Press A6. The green LED lights on during 1 second. Press on A and B to start the reset. The LED lights on solid green. Wait until the green LED lights off. The reset is then completed when the red LED lights on and then lights off.  
The keypad exits from programming mode and the default values are restored.

**A6**

**OR**

1. Cut the power off the keypad. Put P2 jumper. **P2**
2. Power the keypad. The green LED lights on. Wait a few seconds, one beep is emitted. The green LED's lights off. Remove P2 jumper.
3. The keypad is set to the default values.

### ***B. Programming the Code Length***

1. Enter the master code twice (12345 default value master code). The red LED lights on to confirm entry in programming mode.
2. Press A4 to program the code length. The green LED lights on during 1 second. Press 4 for a 4-digit code, press 5 for a 5-digit code or press 6 for a 6-digit code. The green LED lights on for 1 second to confirm the new code length.
3. Press A5 to program the master code. The green LED lights on during 1 second. Enter the 4, 5 or 6-digit new master code. The green LED lights on during 1 second to confirm the new master code.
4. Press B to exit from programming mode. The red LED lights off to confirm that the keypad is in stand-by operating mode.

**A4**

Red LED flashing time indicates a data computing error.

{ Master code or user code: 12369  
Changing to a 4-digit code: Enter 2369

{ Master code or user code: 12369  
Changing to a 6-digit code: Enter 012369

Set the code length first and then program the new master code.

### ***C. Programming a New Master Code***

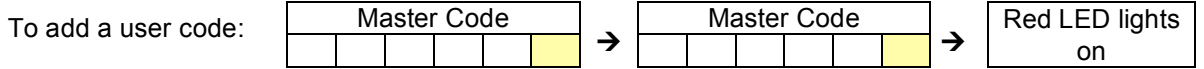
1. Enter the master code twice (12345 default value master code). The red LED lights on to confirm entry in programming mode.
2. Press A5 to program the master code. The green LED lights on during 1 second. Enter the 4, 5 or 6-digit new master code. The green LED lights on during 1 second to confirm the new master code.
3. Press B to exit from programming mode. The red LED lights off to confirm that the keypad is in stand-by operating mode.

**A5**

### D. Programmation des codes

Group1: from user number 00 to 59, relay 1  
 Group3: from user number 80 to 99, relay 3

Group 2: From 60 to 79, relay 2



1. Enter the master code twice (12345 default value master code). The red LED's light on to confirm entry in programming mode.

2. Enter the user number (00 to 99). If the user number is empty the green LED's light on during 1 second, enter the 4, 5 or 6-digit user code. If the user number is already programmed, the red LED's flash 4 times.

To **CHANGE** a user code enter the user number, the red LED's flash 4 times, enter the 4, 5 or 6-digit user code.

To **DELETING** a user code enter the user code (location) and then enter 000000 for a 6-digit code, 00000 for a 5-digit code or 0000 for a 4-digit code.

3. Press B to exit from programming mode. The red LED lights off to confirm that the keypad is in stand-by operating mode.

**00  
to  
99**

User Code List

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01									
02									
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## ***E. Programmation des temporisations***

1. Enter the master code twice (12345 default value master code). The red LED lights on to confirm entry in programming mode.

**A0**

2. Press A0 to program the key-in keypad time and the backlit keys time. The green LED's light during 1 second. Enter the time in second – 10 for 10 seconds up to 99 for 99 seconds. For permanent backlit **enter 00**. The green LED lights on during 1 second to confirm the time validation.

**A1**

3. Press A1 to program the time relay output 1. The green LED lights on during 1 second. Enter the time in seconds – 01 for 1 second up to 99 for 99 seconds. Enter 00 for a toggled output. The green LED lights on during 1 second to validate the time programmed.

**A2**

4. Press A2 to program the time relay output 2. The green LED lights on during 1 second. Enter the time in seconds – 01 for 1 second up to 99 for 99 seconds. Enter 00 for a toggled output. The green LED lights on during 1 second to validate the time programmed.

**A3**

5. Press A3 to program the time relay output 3. The green LED lights on during 1 second. Enter the time in seconds – 01 for 1 second up to 99 for 99 seconds. Enter 00 for a toggled output. The green LED lights on during 1 second to validate the time programmed.

6. Press B to exit from programming mode. The red LED lights off to confirm that the keypad is in stand-by operating mode.

Red LED flashing 4 times indicates a data computing error.

## ***F. Reset Master Code to Factory Default Value***

Place the jumper on P2 in the back of the keypad. The green LED's light on and one beep is emitted. Wait for the green LED's to light off. Remove jumper from P2. The master code is reset to default setting 123456 in 6-digit code, 12345 in 5-digit code or 1234 in 4-digit code.

## ***G. . Enable/Disable user code modification by user*** **P3**

**The Sub Master code allows the user to change its own code without having to enter in programming mode. For security reasons the code need to be changed periodically. This feature makes it easier and faster for the user to change its user code.**

**Place** the jumper on P3 to **enable** user to reprogram its own user code.

**Remove** the jumper from P3 to **disable** the user to reprogram its own code.

1. Enter the old user code. The relay is activated and the green LED lights on.
2. Enter immediately the 2-digit sub master code (A and B Factory Default Value). The red LED lights on.
3. Enter the new user code. The green LED lights on during 1 second, the new user code is programmed. The red LED lights off.
4. Enter the new user code to verify.

## H. Programming a Sub Master Code

1. Enter the master code twice (12345 default value master code). The red LED's light on to confirm entry in programming mode.

**A7**

2. Press A7 to enter in sub master code menu of group 1. The green LED lights on during 1 second. Enter the new sub master code. The green LED lights on during 1 second to confirm programming of the new sub master code.

**A8**

3. Press A8 to enter in sub master code menu of group 2. The green LED lights on during 1 second. Enter the new sub master code. The green LED lights on during 1 second to confirm programming of the new sub master code.

**A9**

4. Press A9 to enter in sub master code menu of group 3. The green LED lights on during 1 second. Enter the new sub master code. The green LED lights on during 1 second to confirm programming of the new sub master code.

5. Press B to exit from programming. The red LED's light off to confirm exit from programming.

## I. . Enable/Disable Audible Feedback

The audible feedback is always enabled in programming mode or when the relay is energized.

To **ENABLE** the audible feedback at the press of any key:

1. Enter the master code twice (12345 default value master code). The red LED's light on to confirm entry in programming mode.

**AA**

2. Press AA. One beep is emitted. **Enter 1 to ENABLE** the audible feedback at the press of any digit key, 1 beep is emitted to confirm the new set up.

To **DISABLE** the audible feedback at the press of any key:

3. Press AA. One beep is emitted. **Enter 0 to DISABLE** the audible feedback at the press of any digit key, 1 beep is emitted to confirm the new set up.

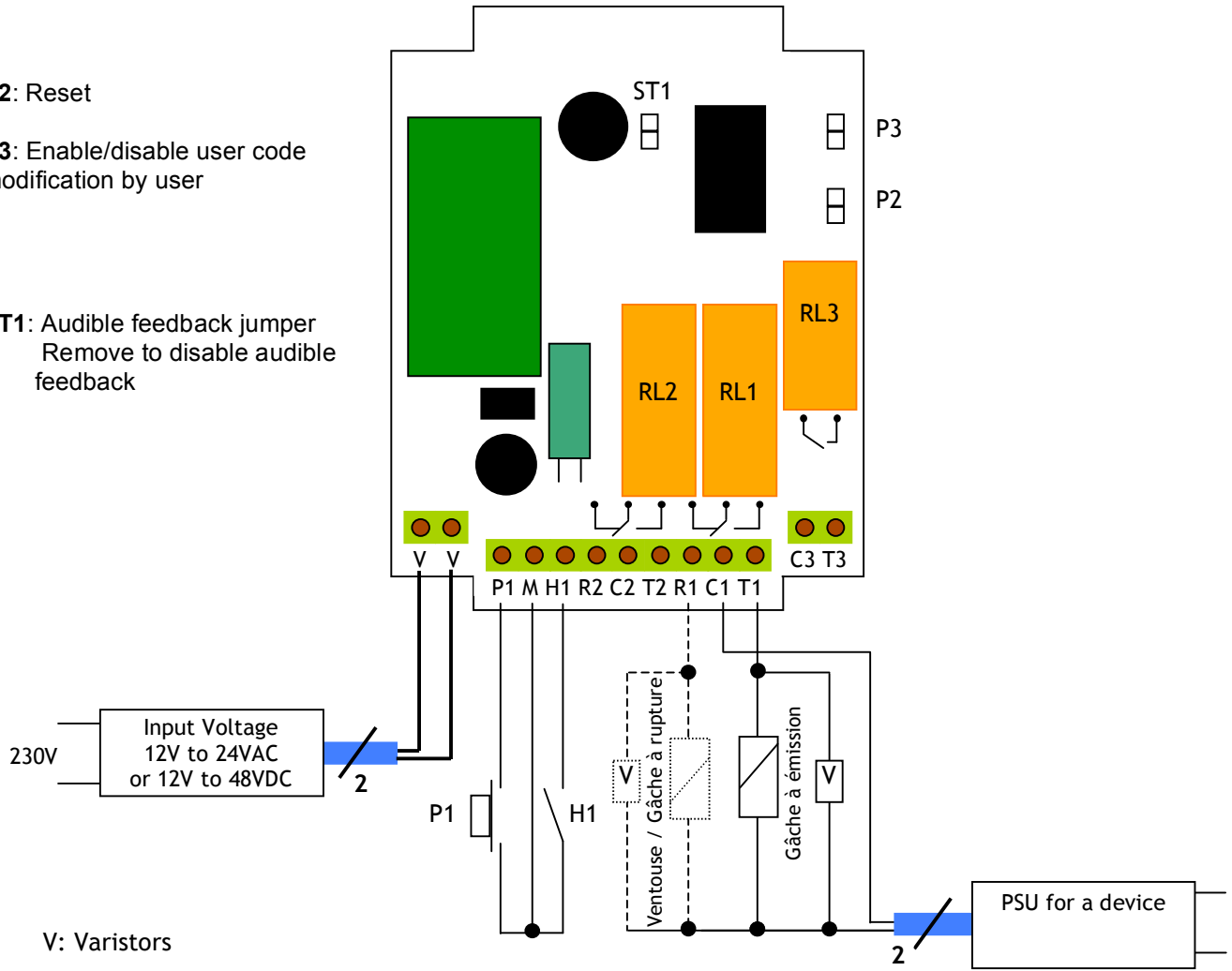
Press B to exit from programming. 2 beeps are emitted.

## CAA/SE WIRING DIAGRAM

**P2:** Reset

**P3:** Enable/disable user code modification by user

**ST1:** Audible feedback jumper  
Remove to disable audible feedback



V: Varistors

TERMINALS	Description
V	Input voltage 12 to 24VAC or 12 to 48 VDC
V	Input voltage 12 to 24VAC or 12 to 48 VDC
P1	Relay 1 Request-to-Exit input
M	Common input for P1 and H1
H1	Request-to-Enter Input from 0 digit key (Timed with a timer)
R2	Relay 2 N/C contact
C2	Relay 2 common
T2	Relay 2 N/O contact
R1	Relay 1 N/C contact
C1	Relay 1 common
T1	Relay 1 N/O contact
C3	Relay 3 common
T3	Relay 3 N/O contact

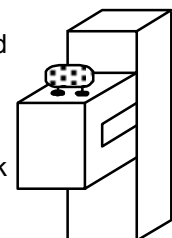
This device comes with a varistor.

The varistor must be connected on the strike terminal (electromagnet...) operated by the device.

If this product operates more than one strike, each lock should have a varistor.

The varistor controls the overload produced by the strike coil – back emf.

It is recommended to use a separate power supply when using a Shear Lock Magnet **CAA/SE !**



# CAA/SE TEMPLATE

