



# CDVI

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## PROFIL 100E/INT

Illuminated Mullion Weather Proof Keypad  
SELF CONTAINED

IP 64 DM

OPERATING AND INSTALLATION INSTRUCTIONS



### MOUNTING KIT

Qty	Description	Photo	Function
1	M5x8 DIAX® screws		Keypad mounting screw
1	DIAX® spanner		Spanner
2	M4x30 screw		Back Plate Keypad
2	S5 plastic anchor		For M4x30 screws
1	05D 680K - Varistor		For the lock

Keypad dimension: 165 x 43 x 27MM.

## **I. PRODUCT INFORMATION**

### ***A. Description***

Input voltage 12V to 24V AC or 12V to 48V DC  
 13-digit illuminated keypad keys  
 EPROM memory storage  
 100 Pin code programmables in 4, 5 or 6-digits  
 1 relay output N/O & N/C contact 6A/250V  
 1 relay output N/O & N/C contact 1A/120V  
 1 programmable master code in 4, 5 or 6-digits  
 Buzzer audible signal  
 1 request-to-exit input  
 1-digit key for free access  
 Modification of individual code by the user

### ***B. DEFAULT VALUES***

No code programmed in the keypad  
 Illumination time: 10 seconds  
 Relay output time: 1 second  
 Code length: 5-digit  
 Master code: 12345  
 Programming mode time: 120 seconds  
 Sub master code for user to reprogram its Pin code group #1: \*, #  
 Sub master code for user to reprogram its Pin code group #2: 1 and 3  
 1 beep when powered.

### ***C. AUDIBLE SIGNAL***

The buzzer indicates different audible signals. It can be turned off (see instructions in page 6)

1 short beep	Keypad powered
1 long beep	data computing in programming or access granted
2 short beeps	Enter or Exit from programming
4 short beeps	data computing error

### ***D. CODE LENGTH***

The master code and the User codes can be of 4, 5 or 6-digits.

All the keypad keys can be used to program a code.

The master code and the Pin code can be of 4, 5 or 6-digits.

The master code CAN NOT be used as a PIN code (User Pin code).

Codes 000000, 00000 and 0000 can only be used to delete a user code. To delete a specific User Code replace it by 0000 if code length is 4-digit format or replace it by 00000 if the code is in 5-digit format.

### ***E. REQUEST-TO-EXIT INPUT***

This normally open loop that operates upon activation of a relay. This feature is especially useful when controlling a lock.

P1 input activates relay 1.

P2 input activates relay 2.

(The output can be programmed).

The timer input H1 if connected allows using the 0 key as a request-to-enter. If the timer contact is open then the 0 digit key is used for the Pin code and if the contact is closed then the 0 key is used for the request-to-enter.

### ***F. CONSUMPTION***

2 relay outputs activated and the permanent illumination

12V DC: 90mA max

24V DC: 50mA max

12V AC: 70mA max

24V AC: 40mA max

## II. PROGRAMMING INSTRUCTIONS

### *A. RESET MASTER CODE AND DELETE ALL USER CODES*

1. Enter the master code twice (12345 default value master code).  
2 beeps are emitted to confirm entry in programming mode.
1. Press \*6. to enter into the reset menu. The green LED lights on for 1 second. Press simultaneously on the \* and # keys to start the reset. The green LED lights during all the reset process wait until it lights off. The master code is reset to its factory value 12345 and all the user codes are deleted. The keypad is reset to the factory default values, the red LED lights on then switches off.

\*6

### OU

1. Turn off the power. Put INT2 switch to ON.
2. Put back the power. The green LED lights on. Wait a few seconds, one beep is emitted. The green LED switches off. Put INT2 switch to OFF.
3. The keypad is reset to the factory default values.

INT2

### *B. SETTING 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 \*4 to program the code length. The green LED lights on during 1 second. Press 4, 5 or 6 to enter the code length. The green LED lights on during 1 second to confirm programming of the code length.
3. Enter \*5 to modify the master code. The green LED lights on during 1 second. Enter the new 4 or 5 or 6-digit master code. The green LED lights on during 1 second to confirm programming of the new master code.
4. Press # to exit from programming mode. The red LED lights off to confirm exit from programming.

\*4

The red LED flashes 4 times to indicate a data computing error.

[ Master code or user code: 12369  
When changing to 4-digit code: enter 2369

[ Master code or user code: 12369  
When changing to 6-digit code: enter 012369

### *C. CHANGING THE MASTER CODE*

The master code is used only to enter in programming mode

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

\*5

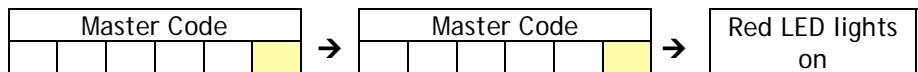
1. Press \*5. The green LED lights on during 1 second. Enter the new master code (according to the code length set up). The green LED lights on during 1 second to confirm programming.
2. Press # to exit from programming mode. The red LED lights off to confirm exit from programming.

**D. ADDING USER CODES**

Group 1: from user number 00 to user number 59, relay 1

Group 2: from user number 60 to user number 99, relay 2

- To a user code:



- Enter the master code twice (12345 default master code). The red LED lights on to confirm entry in programming mode.
- To add a user code, enter the user number (from 00 to 99). If the user number is free, the green LED lights during 1 second enter the 4, 5 or 6-digit code.
- To Change a user code enter the user number, the red LED flashes 4 times to indicate that user number is already programmed. Enter a new 4, 5 or 6-digit code. A beep is emitted to confirm the new user code.
- To delete a user code enter the user number, 4 beeps are emitted. Enter 000000 in 6-digit code length, 00000 in 5-digit code length or 0000 in 4-digit code length. A beep is emitted to confirm the new user code.

00  
à  
99

**NOTE:** If the user code is already programmed or is identical to the master code, then the red LED flashes 4 times.

- Press # to exit from programming mode. The red LED lights off to confirm exit from programming.

## User code list

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### E. TIME OUTPUTS

This section allows to program the illumination time and the Relay activation time

1. Enter the master code twice (12345 default value master code).  
The red LED lights on to confirm entry in programming mode.
- \*0** 2. Press \*0 to program the key-in keypad time and the illumination time. The green LED lights during 1 second. Enter the time in 10<sup>th</sup> of second - 10 for 10 seconds up to 99 for 99 seconds the backlighting dims 10 seconds after the last keypress or switches off after entering a valid code. Enter 00 for a permanent illumination keys. The green LED lights during 1 second.
- \*1** 3. Press \*1 to program relay 1 output time (door release time). The green LED lights during 1 second. For a timed output enter the time in seconds - 01 for 1 second up to 99 for 99 seconds. Enter 00 for a latched output. The green LED lights during 1 second to validate the time.
- \*2** 4. Press \*2 to program relay 2 output time (door release time). The green LED lights during 1 second. For a timed output enter the time in seconds - 01 for 1 second up to 99 for 99 seconds. Enter 00 for a latched output. The green LED lights during 1 second to validate the time.

Press # to exit from programming mode. The red LED lights to confirm exit from programming.

The red LED flashes 4 times to indicate a data computing error.

### F. RESET MASTER CODE

On operating mode, place the INT2 switch to ON. The green LED lights on. One beep is emitted. Wait until the green LED lights off. Put back the INT2 Switch to OFF. The master code is reset to 123456 in 6-digit code length, 12345 in 5-digit code length or 1234 in 4-digit code length.

### G. CHANGING THE CODE BY THE USER

**INT1**

To authorize a user to modify its own User code put the INT1 switch to ON (to disable this function place the INT1 switch to OFF).

1. Enter the old user code. The relay is activated and the green LED lights on.
2. Enter the 2-digit sub master code (default sub master code \* and #). The red LED lights on to authorize the modification.
3. Enter the new user code. The green LED lights during 1 second to confirm the new user code  
The red LED lights off.
4. Check the new user code to make sure of the modification.

### H. SETTING A SUB MASTER CODE

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

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

**\*7**

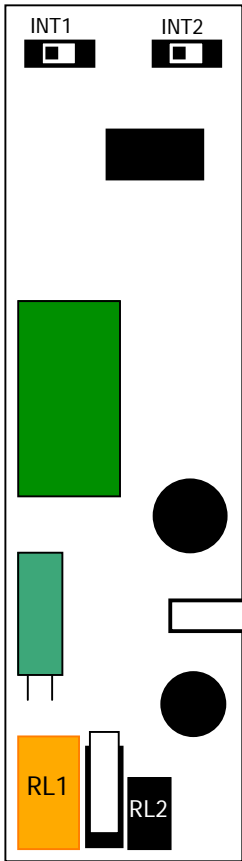
2. Press \*7 to program a sub master code for the user individual Pin code modification of Group 1. The green LED lights on during 1 second. Enter the new 2-digit sub master code. The green LED lights during 1 second to confirm programming of the sub master.

**\*8**

3. Press \*8 to program a sub master code for the user individual Pin code modification of Group 2. The green LED lights on during 1 second. Enter the new 2-digit sub master code. The green LED lights during 1 second to confirm programming of the sub master.

Press # to exit from programming. The red LED lights off to confirm exit from programming.

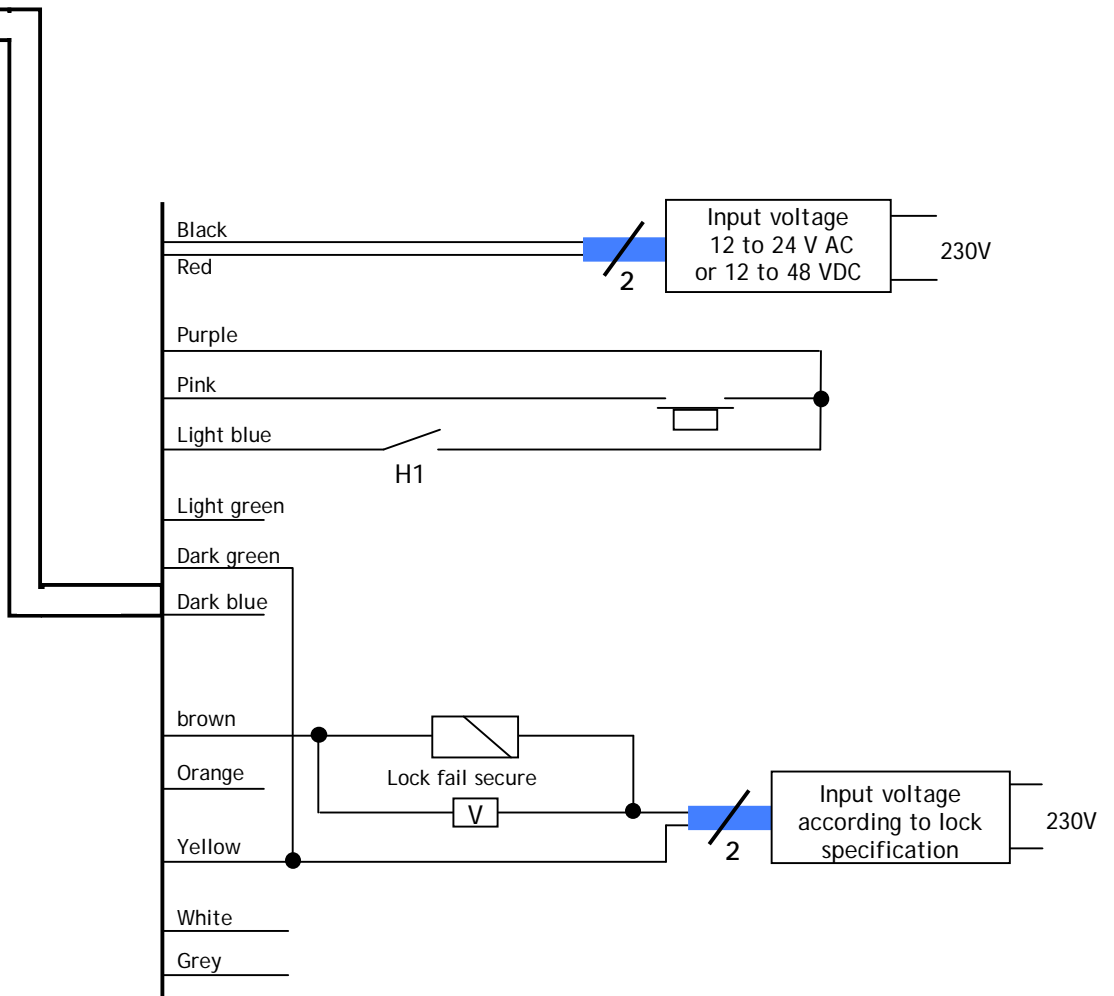
# WIRING DIAGRAM PROFIL100E/INT



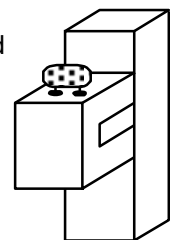
INT2 : Switch for reset

INT1: switch to enable the user to change his own code

Terminals	Description
Black	Input voltage 12/24 VAC or 12/48 VDC
Red	Input voltage 12/24 VAC or 12/48 VDC
Pink	Request-to-exit input relay 1
Purple	Common
Light blue	H1 Timer Contact
Blue	N/C contact relay 2
Green	Common relay 2
Light green	N/O contact relay 2
Orange	N/C contact relay 1
Yellow	Common relay 1
Brown	N/O contact relay 1
White	Tamper switch output
Grey	Tamper switch output



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.



## I. AUDIBLE SIGNAL

The audible signal is enabled in programming mode and when the relay is energised after a valid code.

To enable the audible feedback on a key press:

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



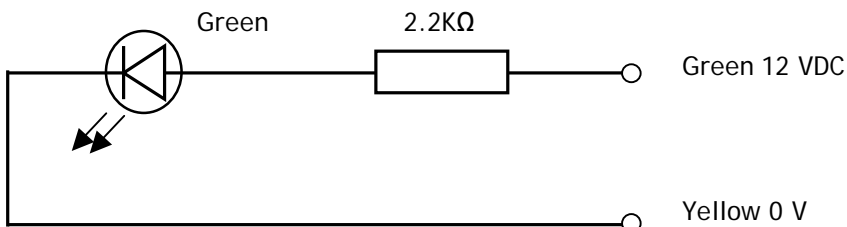
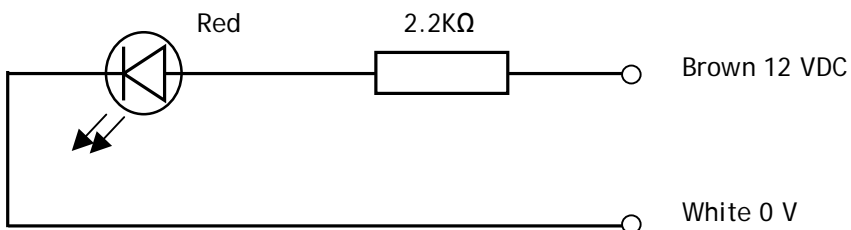
2. Press \* twice. One beep is emitted. Press 0 to disable the audible signal during a keypress. Press 1 to enable the audible signal during a keypress. One beep confirms the new setting.

Press # to exit from programming. 2 beeps are emitted to confirm exit from programming mode.

## J. Red and Green LEDs'wiring instructions

The red and green LED's can be powered in 12V DC (resistors are built-in).

Wirings:



## MOUNTING INSTRUCTIONS PROFIL 100/INT

- ① Drill (bit Ø5MM) the 2 mounting holes (depth minimum = 35MM) and the wiring access area.
  
- ② Insert the 2 S5 plastic anchors in the holes.  
Mount the back plate of the PROFIL 100/INT with the M4x30 screws.
  
- ③ Insert the cable of the PROFIL 100/INT in the wiring access area.  
Place the keypad on the back plate top first and then make sure that it fits all over the back plate..
  
- ④ Close the keypad with the DIAX® M5x8 screw. Use the DIAX spanner to fasten the screw.