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GALEO

BACK-LIT KEYS KEYPAD
100 PIN CODES AND REMOTE ELECTRONICS

The GALEO keypad is available in 1, 2 or 3 relay output.
Refer to page 5 for for the instruction of version 2 and 3 relay of the GALEO.

INSTALLATION INSTRUCTIONS



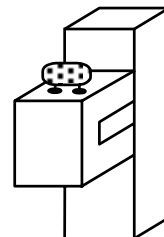
REMOTE ELECTRONICS



KEYPAD

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 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 GALEO !

I. PRODUCT INFORMATION

A. DESCRIPTION VERSION 1 RELAY OUTPUT

INPUT VOLTAGE 12/24VAC FREE VOLTAGE
 INPUT VOLTAGE 12/48VDC FREE VOLTAGE
 12-digit back-lit keys keypad
 EPROM memory storage
 100 Pin code programmables in 4 or 5-digit code
 1 relay output N/O & N/C contact 8A/250V
 1 programmable master code in 4 or 5-digit
 Buzzer audible signal
 1 request-to-exit input
 P2 jumper: Reset master code to default value 12345 and reset Pin codes
 P3 jumper: modification of Pin code by the user

B. DEFAULT VALUES

Backlit Key time: 10 seconds
 Relay release time: 1 second
 Code length: 5-digit
 Master Code: 12345
 Keypad programming time: 120 sec
 Sub master code for user reprogram its Pin code (1 relay output version): A, B

C. AUDIBLE SIGNAL

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

All the keypad keys can be used to program a code.
 The master code and the Pin code can be of 4 or 5-digit code.
 The master code CAN NOT be used as a PIN code (User Pin code).

Codes 00000 and 0000 can only be used to delete a user Pin code. To delete a specific User pin 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

P1 input activates relay 1.
 P2 input activates relay 2.
 (The output can be programmed).

The timer input H if connected allows using the 0 key as a request-to-enter. If the timer contact is open then the 0 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

<u>12VAC:</u>	20mA in stand by, 80mA max all 3 relays activated
<u>24V AC:</u>	10mA in stand by, 50mA max all 3 relays activated (Lock consumption not included)

II. PROGRAMMING

A. TIME OUTPUTS

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

A0

2. Enter **A0** to program the key-in keypad time and the keys lit time. 1 beep is emitted. Enter the time in seconds - 10 for 10 seconds up to 99 for 99 seconds or enter 00 for permanent lit keys. One beep is emitted to validate the time.

A1

3. Enter **A1** to program relay 1 output time (door release time). 1 beep is emitted. Enter the time in seconds - 01 for 1 second up to 99 for 99 seconds. Enter 00 for a toggled output. One beep is emitted to validate the time.

4. Press B to exit from programming mode. 2 beeps are emitted to confirm that the keypad is in stand-by operating mode.

4 beeps indicate a data computing error.

B. SETTING CODE LENGTH

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

A4

2. Enter **A4** to program the code length. One beep is emitted. Enter 4 or 5 for the digit code. One beep is emitted to confirm programming of the code length.

3. Enter **A5** to modify the master code. One beep is emitted. Enter the new 4 or 5-digit master code. One beep is emitted to confirm programming of the new master code.

4. Press B to exit from programming mode. 2 beeps are emitted to confirm that the keypad is in stand-by operating mode.

C. SETTING MASTER CODE

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

A5

2. Enter **A5** to modify the master code. One beep is emitted. Enter the new 4 or 5-digit master. One beep is emitted to confirm that the master code is programmed.

3. Press B to exit from the programming mode. 2 beeps are emitted to confirm that the keypad is in stand-by operating mode.

D. RESET MASTER CODE AND PIN CODES

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

A6

2. Enter **A6** to reset the Master Code and the Pin codes. One beep is emitted. Press on A and B to confirm reset of all memory of the keypad. Wait for two beeps. The master code is restored to its default value 12345 and all the Pin codes are deleted from the keypad. Once the reset is completed then the keypad returns to a stand-by operating mode.

OR

1. Cut the power. Put on P2 a jumper.

P2

- Put the power back. Wait approximately 3 seconds. Two beeps are emitted to confirm reset of the keypad. Remove P2 jumper. The master code is restored to its default value 12345 and all the Pin codes are deleted from the keypad.

E. RESET MASTER CODE

On stand-by operating mode, put a jumper on P2. Wait 1 second and then remove the jumper. One beep is emitted. The master code is restored to its default value 12345 in 5-digit code and 1234 in 4-digit code.

F. SETTING SUB MASTER CODE

- Enter the master code twice (12345 default value master code). 2 beeps are emitted to confirm entry in programming mode.
- A7** Enter A7 to program a sub master code for the user individual Pin code modification. One beep is emitted. Enter the new 2-digit sub master code. One beep is emitted to confirm programming of the sub master code.
- Press B to exit from the programming mode. 2 beeps are emitted to confirm that the keypad is in stand-by operating mode.

G. SETTING PIN CODE

Group 1: from address 00 to address 99, relay output 1

- Enter the master code twice (12345 default value master code). 2 beeps are emitted to confirm entry in programming mode.
- 00 to 99** Enter the user number (from 00 to 99). If the user number is free, enter the 4 or 5-digit Pin code. If the user number is not available, 4 beeps are emitted. Enter a 4 or 5-digit Pin code. To delete a Pin code enter 00000 or 0000. A beep is emitted to confirm the pin code.

If the Pin code is already programmed or is identical to the master code, then 4 beeps are emitted.

The codes 00000 and 0000 are used to delete a Pin code and then can not be used as User Pin codes. It is a fast operation to delete a few Pin code instead of doing a general reset.

- Press B to exit from the programming mode. 2 beeps are emitted to confirm that the keypad is in stand-by operating mode.

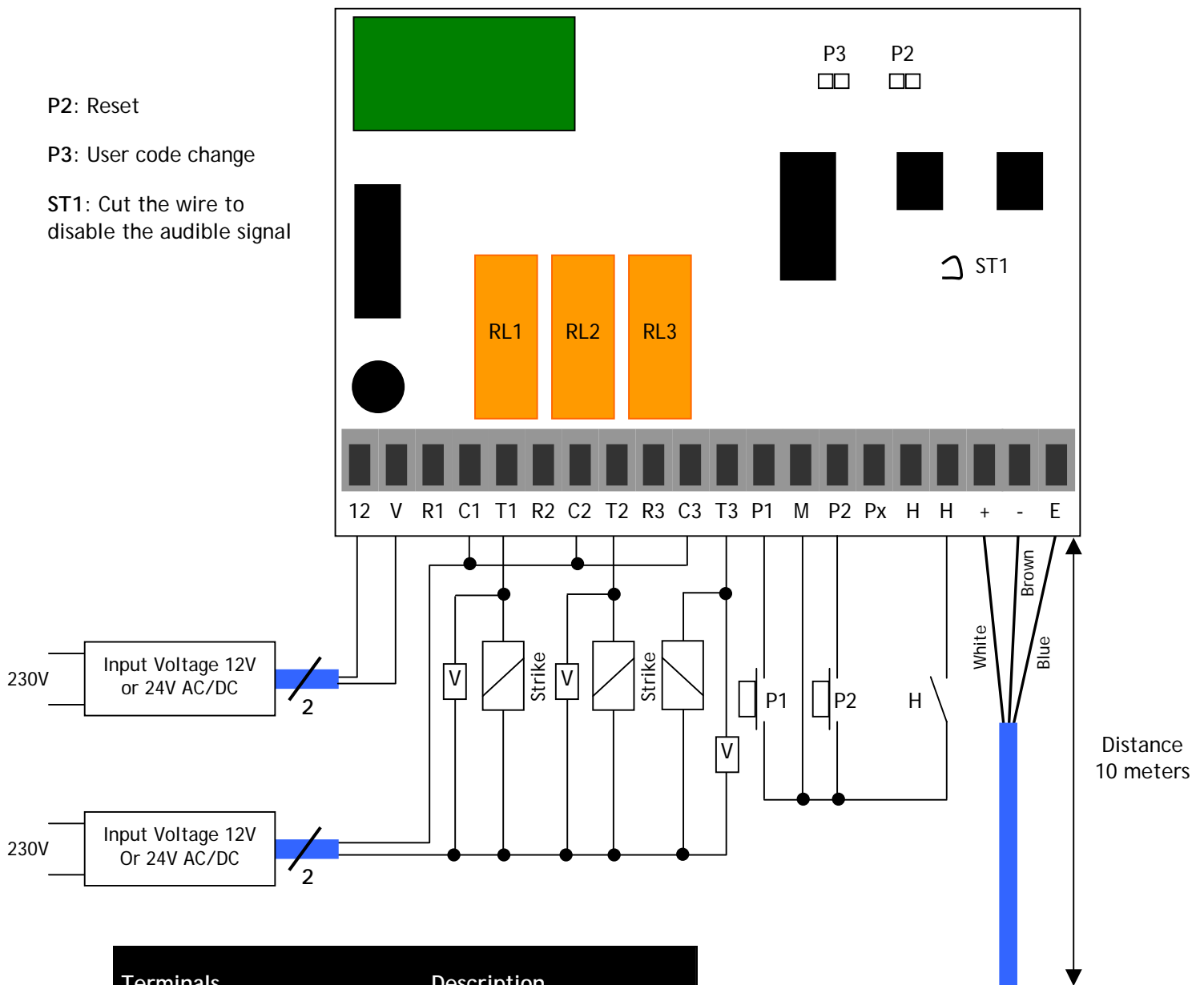
H. SETTING A NEW PIN CODE BY A USER

P3

To authorise a user to modify its own Pin code put a jumper on P3 (to disable the feature remove the jumper).

- Enter the old Pin code. The relay is activated and a beep is emitted.
- Enter the 2-digit sub master code (default sub master code A and B). A beep is emitted to authorise the modification.
- Enter the new Pin code. 2 beeps are emitted to confirm the new Pin code.
- Check the new Pin code.

Wiring diagram between the GALEO and the Controller



Terminals	Description
12	Input Voltage 12V or 24V AC/DC
V	Input Voltage 12V or 24V AC/DC
R1	N/C contact relay 1
C1	Common relay 1
T1	N/O contact relay 1
R2	N/C contact relay 2
C2	Common relay 2
T2	N/O contact relay 2
R3	N/C contact relay 3
C3	Common relay 3
T3	N/O contact relay 3
P1	Request-to-exit input relay 1
M	Common of inputs
P2	Request-to-exit input relay 2
H	Timer Contact
+	White cable from keypad
-	Brown cable from keypad
E	Blue cable from keypad (backlit keys)