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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 ELECTRONIC UNIT

KEYPAD

Packing Checklist :
GALEO keypad x 1
Remote Electronic unit x 1
Varistor x 1
Security screw x 1
Spanner
Caps x 2
Jumper x 1
Mounting screw x 4
Plastic anchor x 4
Wiring sealed cap x 2
Programming & Wiring
Instructions

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I. PRODUCT INFORMATION

A. DESCRIPTION VERSION 1 RELAY OUTPUT

INPUT VOLTAGE **12/36 VAC** FREE VOLTAGE
INPUT VOLTAGE **12/48 VDC** 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 and user codes
P3 jumper: modification of individual code by the user

B. DEFAULT VALUES

Backlit Key time: 10 seconds keypad dimming
Relay release time: 1 second
Code length: 5-digit
Master Code: 12345
Programming mode 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

The master code and the User codes can be of 4 or 5-digit in 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

This normally open loop that operates upon activation relay 1 (GALEO, GALEO 2 or GALEO 3) or relay 2 (GALEO 2 or 3 version). 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 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
This section allows to program the backlighting time and the Relay activation time
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 10th 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 **permanent illumination** 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. For a **latched output** 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. 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).
   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 USER 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 User 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 User 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 the jumper on P2.   **P2**

2. 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 User 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. CHANGING THE SUB MASTER CODE

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 to change its code.

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

A7

2. **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.

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

G. ADDING, CHANGING OR DELETING A USER CODE

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

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

00 to 99

2. **To Add a user code enter the user location (from 00 to 99).** If the user location is free 1 beep is emitted, enter the 4 or 5-digit User code.
3. **To Change a User code enter the user location,** 4 beeps are emitted to indicate that user location is already programmed. Enter a new 4 or 5-digit code. A beep is emitted to confirm the new user code.
4. **To delete a User code enter the user location,** 4 beeps are emitted. Enter 00000 in 5-digit length code or 0000 in 4-digit length code. A beep is emitted to confirm the new user code.

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

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

H. CHANGING THE CODE BY A USER

P3

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

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

2. Enter the 2-digit sub master code (default sub master code A and B).
   A beep is emitted to authorise the modification.

3. Enter the new user code. 2 beeps are emitted to confirm the new code.

4. Check the new user code to be sure of the modification.

I. ADDING USER CODES

To program Pin codes:

Master code				→	Master code				→	2 audible beeps
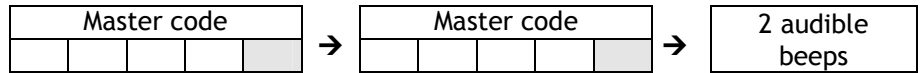
User Pin code list

00						01						02						03	
04						05						06						07	
08						09						10						11	
12						13						14						15	
16						17						18						19	
20						21						22						23	
24						25						26						27	
28						29						30						31	
32						33						34						35	
36						37						38						39	
40						41						42						43	
44						45						46						47	
48						49						50						51	
52						53						54						55	
56						57						58						59	
60						61						62						63	
64						65						66						67	
68						69						70						71	
72						73						74						75	
76						77						78						79	
80						81						82						83	
84						85						86						87	
88						89						90						91	
92						93						94						95	
96						97						98						99	

To exit from the programming mode, press B. 2 audible beeps indicate that the keypad is in stand-by mode.

J. GALEO 2 AND 3 PROGRAMMING INSTRUCTION

Programming instructions are the same as for the GALEO keypad with 1 relay output.

GALEO 2: 2 relay outputs N/O and N/C contacts 8A @ 250V~

Group 1: from user location 00 to user location 59 to activate relay 1
Group 2: from user location 60 to user location 99 to activate relay 2

A2 Release Time of relay2 enter A2   **A8** sub master code enter A8 (default values 1 and 3).

GALEO 3: 3 relay outputs N/O and N/C contacts 8A @ 250V~

Group 1: from user location 00 to user location 59 to activate relay 1
Group 2: from user location 60 to user location 79 to activate relay 2
Group 3: from user location 80 to user location 99 to activate relay 3

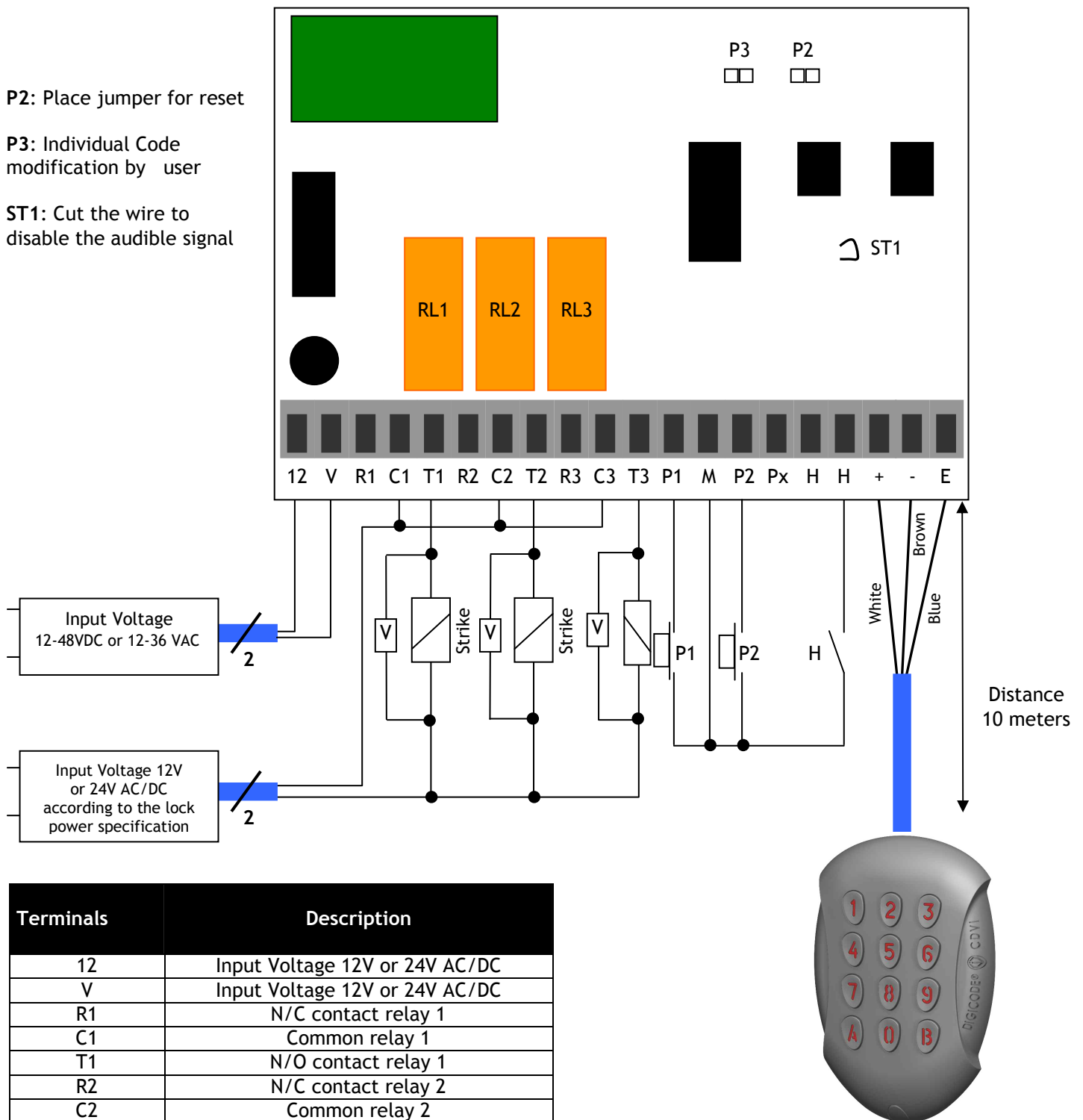**A3** Release time for relay 3 enter A3   **A9** ster code enter A9 (default values 4 and 6).

Wiring diagram between the GALEO and the Remote Controller

P2: Place jumper for reset

P3: Individual Code modification by user

ST1: Cut the wire to disable the audible signal

P3   P2

RL1   RL2   RL3

ST1

12 V R1 C1 T1 R2 C2 T2 R3 C3 T3 P1 M P2 Px H H + - E

Input Voltage
12-48VDC or 12-36 VAC

2

Input Voltage 12V
or 24V AC/DC
according to the lock
power specification

2

V Strike V Strike V P1 P2 H

White Brown Blue

Distance
10 meters

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)

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 lock should have a varistor.

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

If you are using a « Shear Lock Magnet, it is recommended to use a separate power supply

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