golmar

KEYPAD

INSTALLATION MANUAL

IM_ENG_REV0123_KEYPAD

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2.INTRODUCTION

The KEYPAD is a vandal-proof keypad with capacity for 100 users and surface installation, which can be installed outdoors as it has an IP65 degree of watertightness, it also has 2 activation relays to control two accesses or mechanisms. These relays can act in monostable or bistable mode.
These features make the KEYPAD, an ideal solution for any access control installation by stand-alone numeric identification.

3.TECHNICAL SPECIFICATIONS

Power supply/consumption	12 or 24Vdc or Vac / 250mA ~ 3VA =
Working temperature	-12º C to +60º C
Outputs	Output 1: 8A relay / Output 2: 1A relay
Installation	Surface mount
Relay time	Monostable 01 to 99 sec / Bi-stable 00
Backlight	Blue LEDs
Orange LEDs	Keypad operation
No. of users	100 users
Number of opening digits	From 3 to 8 (may include * and #)
Degree of protection	IP65. IK10 (model KEYPAD/Z)
Dimensions	120(H) x 83(W) x 36(D) mm.

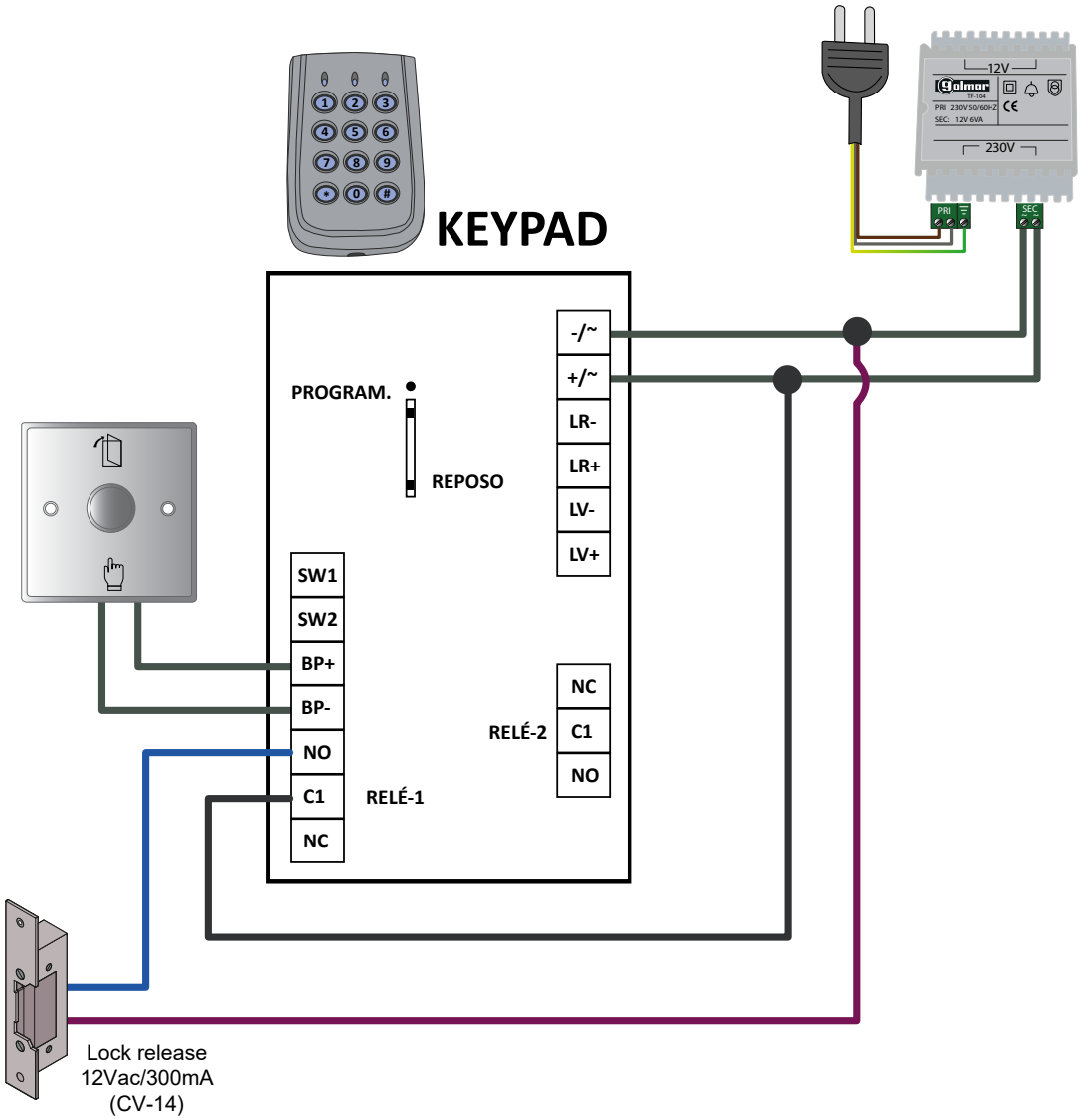
4.INSTALLATION

Remove the outer case by loosening the screw at the bottom and then the keyboard from its base by pulling the top of the silicone gasket. When reassembling the keypad to its base, press firmly to ensure that the silicone gasket is fully adhered to the black plastic case.

IMPORTANT

In order to keep the IP65 waterproof, be sure to put silicone on the cables (at the entrance of the box), so it will be hermetically sealed.

5.WIRING DIAGRAM



6.ACCESS TO PROGRAMMING

The KEYPAD has two ways to access programming:

- Through the Master code 0000.
- By setting the programming jumper inside the keypad to ON (if the code is forgotten).

When a user enters the Master code, the keypad goes into programming mode.

CONFIRMATION TONES

- A short beep is generated when a key is pressed.
- Two short beeps indicate that the programming sequence is correct.
- Four short beeps indicate that the programming sequence is not correct.

WORKING STRUCTURE

POSITION	DESCRIPTION
00	Master code change
31	Relay 1 activation time (00=bi-stable) (01 to 99 sec. Monostable)
32	Relay 2 activation time (00=bi-stable) (01 to 99 sec. Monostable)
35	Delete an access code
101 a 200	User order number (from 3 to 8 digits opening code)

7.PROGRAMMING

7.1.CHANGE MASTER CODE

There can only be one master code per keypad, the factory default code is 0000. It is advisable to change it as soon as possible to avoid possible manipulations by external persons. Follow the sequence indicated below.
To enter programming, just dial the master code, the orange led will light up indicating that we are in programming. To exit, wait 30 seconds or press ##.

POSITION	24h/7	Nº of digits	New code	Validation
00	0	4 (3 to 8)	1234	#

IMPORTANT: There cannot be a master code equal to a user's code.
NOTE: In case the Master code is not remembered, place the rear jumper in the programming position and follow this same sequence, when finished, place the jumper in its previous position (default). From this point on you can access with the new master code without the need to manipulate the keypad internally.

7.2.ADDING/CHANGING USER CODE

Up to 100 user codes can be configured in the KEYPAD.
The first user position must be 101 and the last one 200.

Prog.sequence	24h/7	Nº of digits	Code	Relay 1/2	Monstab./Biest. 1/2	Validation
101	0	4 (3 a 8)	1234	1	1	#

This sequence will have enabled user 1 with the opening code 1234 and with monostable activation of relay 1 (factory pulse 05 seconds).

7.3.ADD USER IN SHORTCUT MODE

Prog.sequence	24h/7	Nº of digits	Code	Validation
101	0	4 (3 a 8)	1234	#

This sequence performs the same function as the previous table. As the relay to be programmed is not indicated, relay-1 will always be programmed in monostable mode (factory setting 05 sec.).

7.4.DELETE A USER

Prog.sequence	User number	Validation
**	101	#

By executing this command, we delete user 1.

7.5.DELETE ALL USERS

Prog.sequence	All users code	Validation
35	00	#

This other sequence deletes all the users we have registered.

7.6.RELAY ACTIVATION TIME

Relay	Activation time	Validation
31	05	#

By using this sequence, we will have given to relay 1, 5 seconds of latching. In case we would like to act on Relay 2, in the first position, we would mark 32.
To make it bi-stable and to avoid reprogramming the entire user sequence, enter 00 at activation time, the relay being programmed will operate as bi-stable.

NOTES:
Relay 1, by default, has the value of monostable with 05 sec. of latching.
Relay 2, by default, has the bi-stable value.
The same relay can work in monostable and bistable at the same time, it is only necessary to program two different users and give each one a different option. The relay must be programmed with an activation time (e.g. 05 sec.).

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