

DIGIPASS

Anti-vandalism stand alone keypad made in aluminium anodised

MAIN FEATURES:

- Power supply: **12V – 24 V ac/dc**
- Current drain: **6mA** stand-by.
- 2 x relays: 10 A - 28 V resistive load.
- **120 codes** from 1 to 8 digits, front programming.
- Single code erasing.
- Relays with **permanent or impulsive** (1 to 99 sec.) contact.
- Lock of the keypad at 4th attempt at tampering.
- 1 red LED for programme mode + 1 two-color LED for the user.
- Electronic circuit fully potted IP 65
- **Remote exit button** possible connection to operate relay A.
- Protection for the fixing screws.
- Microswitch anti-tamper, on request.
- Size: 144 x 42 x 22 mm.

NOTE: when DIGIPASS is connected to an electromagnetic lock it is compulsory to use a proper diode as indicated in the wiring diagram.

It is not allowed to apply to the relay's contacts voltages over 30V dc or 24V ac. If required, link an external relay.

APPLICATIONS:

- Access control.
- Doors and gates opening.
- On/Off function for alarm systems.

NOTE: The following instructions must be read carefully !!

PROGRAMMING AND STORING THE CODES:

DIGIPASS leaves the factory with some testing codes + the **Master code (00 + A)** that *does not operate the relay*. To erase all the codes:

- 1 - Enter **00** and press and hold A until the red LED starts to flash as the keypad goes in programme mode.
- 2 - Enter **000 000 0000** and hold A until the red LED starts to flash shortly to indicate the memory has been erased.
- 3 - Store your *new Master code* and press A.
- 4 - Store the 1st operating code and press A or B or both, depending from which channel you want to activate.
- 5 - Store the other codes in the same way.
- 6 - To exit programme mode just enter a code that already exists.
- 7 - The LED on the keypad will stop flashing.

In any time it's possible to **add other codes** in the keypad:

- 1 - Enter your *Master code* and press and hold A until the red LED starts to flash as the keypad goes in programme mode.
- 2 - Enter the code you want to add in the memory of the keypad and press A or B or both.
- 3 - To exit the programme mode just enter a code that already exists.

SINGLE CODE ERASING

To erase a code from the keypad it is required to know its address in the memory. That is why it's important at the time of programming to log the individual codes in the order they are entered into memory.

To erase a single code:

- 1 - Enter your *Master code* and press and hold A until the red LED starts to flash as the keypad goes in programme mode.
- 2 - Enter five zeros followed by the memory location of the code to erase + A
Example: to erase the 4th stored code, enter: Master code + A, then 000004 + A
the 7th stored code, enter: Master code + A, then 000007 + A

NOTE: it's possible to erase only one code per time ! If you need to erase more codes (for ex. the 6th and the 18th), enter:

Master code + A, 000006 + A
Master code + A, 000018 + A

SETTING OF THE RELAY "A" TIMER:

The relay can operate permanent or impulsive function from 1 to 99 sec. max.

- 1 - Enter the Master code and hold A until the red LED starts to flash as the keypad goes in programme mode.
- 2 - Enter 999 999 9999 and press A.
- 3 - The red LED will illuminate to indicate the old setting has been erased.
- 4 - Enter the new time in this way, for instance:
00 + A = permanent contact
05 + A = 5 sec.
12 + A = 12 sec.

NOTE: If you do not enter the 2nd number, that will be stored as zero: example: 9 + A = 90 sec.

SETTING OF THE RELAY "B" TIMER:

The relay B can operate permanent or impulsive function from 1 to 99 sec.

- 1 - Enter the Master code and hold A until the red LED starts to flash as the keypad goes in programme mode.
- 2 - Enter 888 888 8888 + A.
- 3 - The red LED will illuminate to indicate the old setting has been erased.
- 4 - Enter the new time in this way, for instance:
00 + A = permanent contact
05 + A = 5 sec.
And so on

NOTE: If you do not enter the 2nd number, that will be stored as zero: example: 9+A = 90 sec !

CHOICE OF THE STAND-BY CONTACT OF THE RELAYS

DIGIPASS has **only 6 studs**, that means that for each relay only one contact is given. Then it is possible to choose the standby contact of the relays between N.O. and N.C.

- 1 - Enter the *Master code* and hold A until the red LED starts to flash as the keypad goes in programme mode.
- 2 - Enter 999 999 9999 + A (to change the standby contact of relay A)
- 3 - Enter : Time of contact + B (to choose N.C.)
for ex : 03 + B = 3 sec.
Or : Time of contact + A (to choose N.O.)

- 4 - Enter: 888 888 8888 +A (to change the standby contact of relay B)
- 5 - Enter : Time of contact + B (to choose N.C.)
for ex : 03 + B = 3 sec.
- Or : Time of contact + A (to choose N.O.)

SETTING OF THE TIME OF THE KEYPAD LOCK (ANTI-TAMPER):

- At the 4th consecutive false code the keypad will lock.
It is possible to exclude or to activate this function for a time programmable from 1 to 99 sec. max, acting as follows:
- 1 - Enter the Master code and hold A until the red LED starts to flash as the keypad goes in programme mode.
 - 2 - Enter 777 777 7777 and press A.
 - 3 - The red LED will illuminate to indicate the old setting has been erased.
 - 4 - Enter the new time in this way, for instance:
00 + A = keypad lock off
09 + A = keypad lock for 9 sec.
30 + A = keypad lock for 30 sec.

NOTE: If you do not enter the 2nd number, that will be stored as zero: example:
6 + A = keypad lock for 60 sec.

EMERGENCY PROCEDURE:

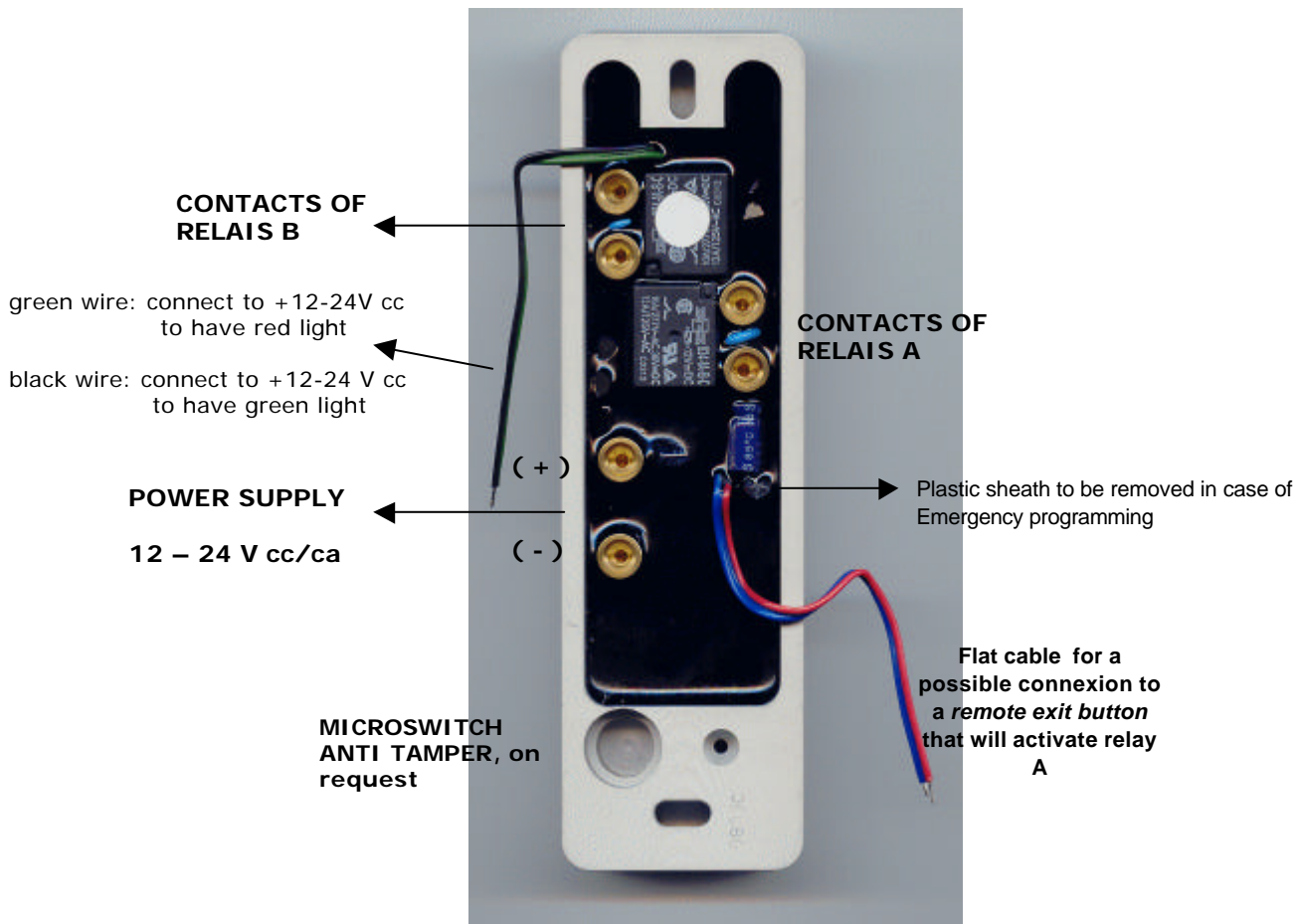
If you forget the *Master code* there is no way for the keypad to go in programme mode: in this case there is an **emergency procedure**:

- 1 - Detach the keypad from the wall on which is installed without shutting down the power supply.
- 2 - Withdraw the white little plastic sheath on the backside.
- 3 - Enter 000 000 0000 and press A: the red LED will start to flash quickly to indicate the total erasing of the memory.
- 4 - Within 5 sec. short-circuit the two golden pins and keep the contact for at least 5 sec.(the LED remains illuminate) until the red LED starts to flash as the keypad goes in programme mode.
- 5 - Now store the new Master code and the other operating codes.

VISUAL SIGNALINGS

Besides the red LED for programme mode, there is a two-color LED whose 3 wires come out from the resin.
The user can connect the 3 wires to have the indications of the contacts of both relays.
For ex. : red color : to signal the contact of the relay A
green color: to signal the contact of the relay B
yellow color: to signal the contacts of A and B relays in the same time.

WIRING DIAGRAM – back side of DIGIPASS



*When DIGIPASS operates an electromagnetic lock it's compulsory to connect a spikes suppressor diode as shown.
Diode: at least 3A – 400 V (BY 252)
Attention to polarity !!*