

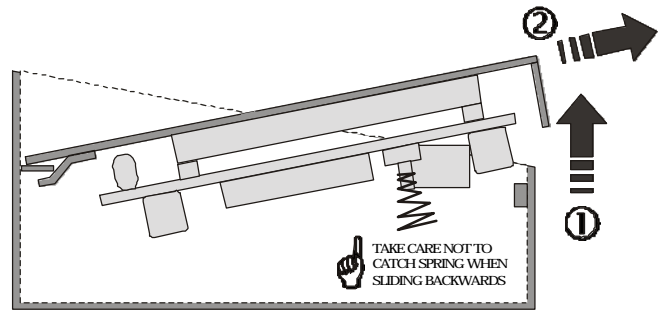
# KEYPRO MULTI-USER KEYPAD

## Mounting of the keypad:

Remove the front cover by undoing the two screws at the bottom.

1. Lift the bottom until the connector clears the end plate.
2. Slide the front plate down to unhook the lip at the top part of the faceplate.

Take care not to catch the PCB on the screw stubs.  
Mount the keypad base to a wall or pole as required.



## Connecting:

Connect the wires into the various screw terminals, to the external devices (see **Figure 2**). **Note** the New model uses only one input for **12 V dc/ac** to **24V dc/ac**.

Next to each relay is a **jumper** to select if that particular relay should be **normally open (N/O)** or **normally closed (N/C)** (See Figure 1).

A normally open **pushbutton** can be connected between PB and +12V, to mimic **user 1**. (Can be used to open the door from the inside, using just a pushbutton.)

Note: The door switch (N/C) connection (see Figure 2), can be connected to a door contact. Warning beeps will be sounded, when the door is left open or when the door was forced open. If this condition continues for longer than 20 seconds, the panic will be triggered. **If the door open warning function is not to be used**, connectors 5 (DOOR) & 6 (SW), (see Figure 2), must be linked with a piece of wire.

Replace the faceplate by slotting it back into position and secure it with the two screws at the bottom.  
Apply the power to switch your KEYPRO on.

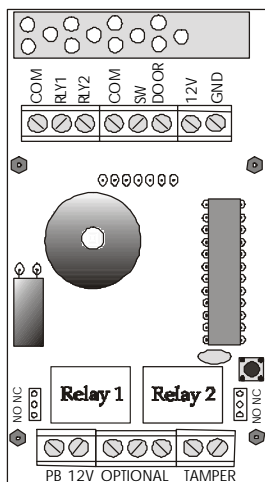


Figure 1

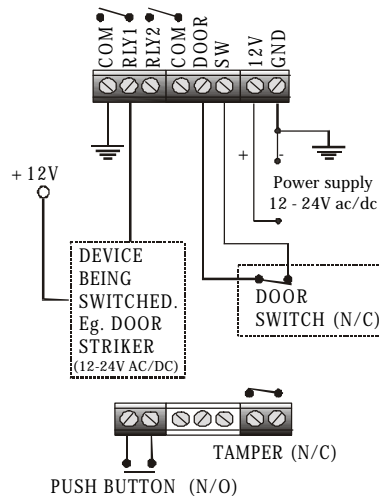


Figure 2

### Optional connectors

GND, C & D is only used with extended relay boards that can be purchased separately.

### General operation:

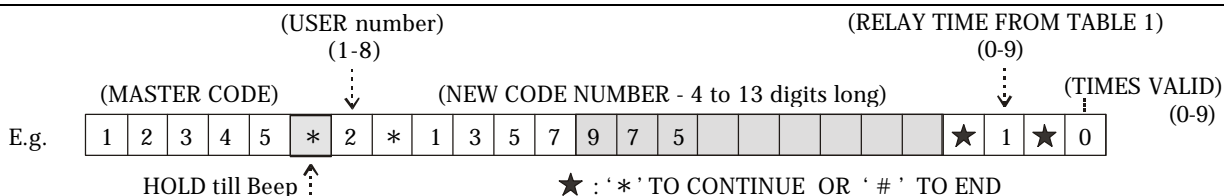
Enter your user code, and press # to activate the relay. (Factory default code = 12345)  
After 3 wrong attempts to enter a code, the keypad will go into **lockout** for 30 seconds. The 'err' LED flashes during lockout.

Pressing **\* and #** together for 2 seconds, will activate an optional **panic**.

The PANIC function can be programmed to operate **Relay 2**:

Enter the programming mode using the Master password and a long \*, then press 0.

The relay 2 function will be toggled on and off, every time the above operation is performed.



**Programming:**

Programming of user code options can only be performed in programming mode using the master user code, 12345 (factory default). The master user is user number 1, and users 2-8 are sub-users.

**Entering programming mode:**

																							*
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 HOLD till Beep

Before programming, fill in the table below as an example.

**Eg. - 12345 \* 2 \* 1357975 \* 1 \* 0** - will change user 2 code for continuous operation with code 1357975, operating relay 1 for 5 seconds.

	*
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 (NEW CODE NUMBER 4 to 13 digits long)

- 1) Enter the master user code, (factory default =12345). 

	*
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- 2) The yellow LED will begin to flash slowly. You are now in programming mode. 

	( 0 For Continuous use )
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- 3) Enter the user number to be programmed, (1-8) .....
- 4) Enter the new user code.
- 5) Select relay 1 or 2 & operation time from Table 1 (0-9).....
- 6) Enter the number of times the user code will be valid (0-9) .....

Relay timing	To operate	
	Relay 1	Relay 2
0.5s	0	5
2s	1	6
5s	2	7
10s	3	8
Latching on/off	4	9

- Master user code will always default to 0 for continuous validity to enable programming.
- 7) 3 Tones will be sounded when programming was successfully completed.
- 8) Repeat from step 1 for the rest of the user numbers (2-8) if required.

NOTE: A 25 second timeout between key-presses or any wrong key sequence during programming will exit the programming immediately without saving.

**Changing passwords:**

User 2 - 8 can change their own code by entering their code followed by a \* held down for 3 seconds. After the second beep, the yellow LED will start flashing, and the new code must be entered followed by a \*.

Users cannot change their relay timing functions, nor the times their codes are valid. Only the master user can change these options.

-To erase a user, user 1 must reprogram that user code to be valid once only (step 6). Entering that user code followed by #, will then erase that code.

**Defaulting the keypad:**

- If the master code is forgotten or lost, perform the following:
- A) To reload factory default, power down and replace power again. (Defaulting can only be performed within the next 15 seconds.)
  - B) Press 1 & 9 together and hold until a beep is heard. Wait for the second beep once released.

- B) Enter **12345** - followed by \*. (Audio and visual indication shows that all passwords are being erased).
- D) The master user code 1 will now be 12345.