KEYPRO V3 MULTI-USER ACCESS CONTROL

M00149

fig.1

3A (28VDC) RELAY 1 — RLY1 RLY2 — **3A (28VDC) RELAY 2**

TAMPER SWITCH

door open input jumper IN = disable

BUZZER

fig 2
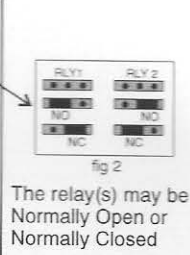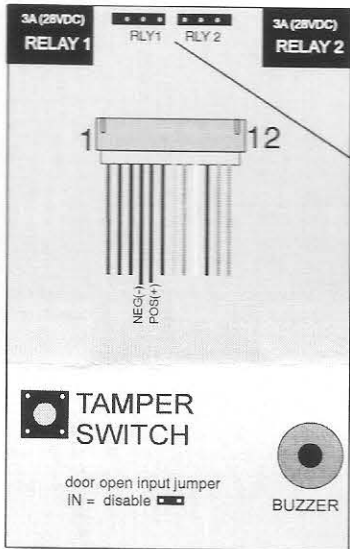
The relay(s) may be Normally Open or Normally Closed

1	ORANGE	RELAY 1
2	VIOLET	RELAY 1
3	BLUE	SPARE
4	BLACK	NEG(0V) —
5	RED	POS(12 TO 24 VDC) +
6	BROWN	DOOR CONTACT
7	YELLOW	PUSHBUTTON
8	GREY	RELAY 2
9	WHITE	RELAY 2
10	GREEN	N/A
11	PINK	N/A
12	PINK	N/A

VARISTOR RECOMMENDED TO SAVE RELAY CONTACT

DEVICE BEING SWITCHED Eg. DOOR STRIKER (12-24V AC/DC)

fig.3 Relay1

VARISTOR RECOMMENDED TO SAVE RELAY CONTACT

DEVICE BEING SWITCHED Eg. DOOR STRIKER (12-24V AC/DC)

fig.4 Relay2

DOOR CONTACT (NC)
fig.5 Door Open Input

MANUAL OPEN (NO)
fig.6 Pushbutton
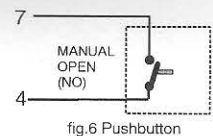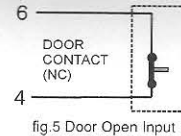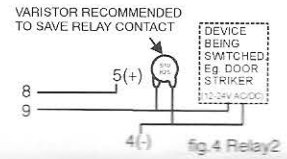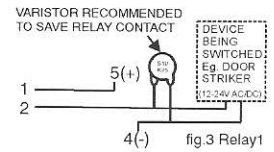
Operation:

The Keypro has up to 99 individual user codes programmed each with a specific relay output.
A 20 second lock-out will be activated should an incorrect code be entered 5 times

Note

User 1 code is used for programming the unit and the other user codes. (see below)

Programming User Codes:

1 - Enter User 1 code (default 123456) and hold down the * (star) button until a beep is heard
2 - Select User Number (1-99) followed by the * (star) key
3 - Enter the new user code (from 4 to 6 digits) followed by the * (star) key
4 - Enter the relay option (see table 1)
5 - Enter the type of code: 0= Continuous use or limited to a number of operations (0 to 9).
6 - Enter a * to Exit - An acknowledgment tone will be heard
In Steps 3,4,5 the setting will remain unchanged if just * is pressed to progress to the next step
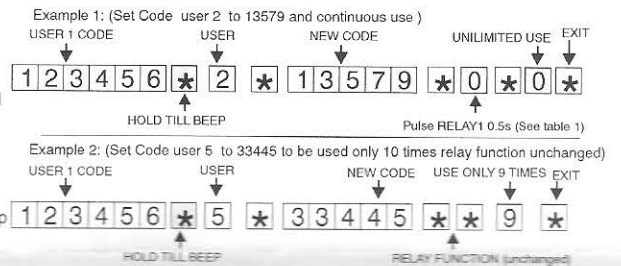
At any point if no key has been pressed for 20 seconds the unit will exit programming mode
User 1 by default is programmed with option 1 (2sec pulse on Relay 1)

Example 1: (Set Code user 2 to 13579 and continuous use)

USER 1 CODE — USER — NEW CODE — UNLIMITED USE — EXIT

| 1 | 2 | 3 | 4 | 5 | 6 | * | 2 | * | 1 | 3 | 5 | 7 | 9 | * | 0 | * | 0 | * |

HOLD TILL BEEP — Pulse RELAY1 0.5s (See table 1)

Example 2: (Set Code user 5 to 33445 to be used only 10 times relay function unchanged)

USER 1 CODE — USER — NEW CODE — USE ONLY 9 TIMES — EXIT

| 1 | 2 | 3 | 4 | 5 | 6 | * | 5 | * | 3 | 3 | 4 | 4 | 5 | * | * | 9 | * |

HOLD TILL BEEP — RELAY FUNCTION (unchanged)

System Options

Door Open Input Function:
An optional Door Switch (N/C) can be connected to 2 terminals on the KeyPro (See Figure 5) . Warning beeps will be sounded, when the door is left open or when the door was forced open. Alternatively place a jumper to bypass the door function to disable the function below in the system options

Panic Function:
A Panic button feature (holding down ✱ and # simultaneously). If enabled the panic input will trigger the relay function programmed for user 2.

Pushbutton Function:
If enabled the pushbutton input will trigger the relay function programmed for User 3.

Bell Function:
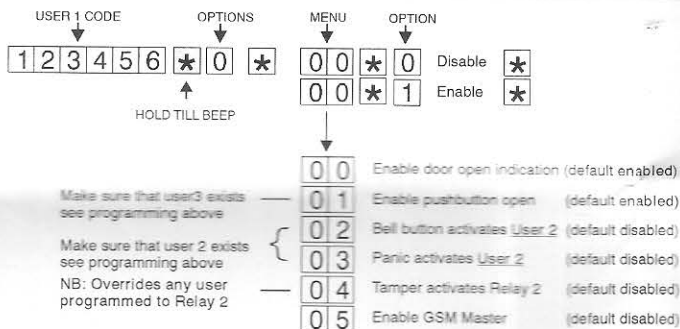If enabled the Bell button will trigger the relay function programmed for User 2.

Tamper Input:
If enabled opening the enclosure button will trigger the Relay 2.

Relay Function	RLY1	RLY2
0.5 secs	0	5
2 secs	1	6
10 secs	2	7
25 secs	3	8
Toggle	4	9

Table1

Programming System Options:

USER 1 CODE — OPTIONS — MENU — OPTION

| 1 | 2 | 3 | 4 | 5 | 6 | * | 0 | * |

HOLD TILL BEEP

| 0 | 0 | * | 0 | Disable | * |
| 0 | 0 | * | 1 | Enable | * |

0	0	Enable door open indication	(default enabled)
0	1	Enable pushbutton open	(default enabled)
0	2	Bell button activates User 2	(default disabled)
0	3	Panic activates User 2	(default disabled)
0	4	Tamper activates Relay 2	(default disabled)
0	5	Enable GSM Master	(default disabled)

Make sure that user3 exists see programming above

Make sure that user 2 exists see programming above

NB: Overrides any user programmed to Relay 2

Relay activation

To activate the programmed relay, enter the user code followed by #

Notes:

Defaulting

Hold down both keys 1 and 9 and apply power, wait until a beep is heard. Successful defaulting is complete when all RED GREEN and ORANGE LEDs are flashing fast. Power cycle the KeyPro.