VX900N-2/2L-3/3L, VX900N/F, VX900N/S Codelocks

FEATURES

- Access control system with 100 codes and 2 or 3 Relays out (it depends of the version).
- Personal access code to go into the "Programming Menu" .
- Programming of the working time of each relay from 1 up to 99 seconds or permanent time.
- Possibility to activate the Relay 1 by shorting terminal "SW1" to GND and Relay 2 by shorting terminal "SW2" to GND. Both relays will operate for the programmed time. This feature is not available on VX900N-3/3L version)
- Possibility to activate relay 1 and 2 using the same user code (by prefixing the user code with '0').
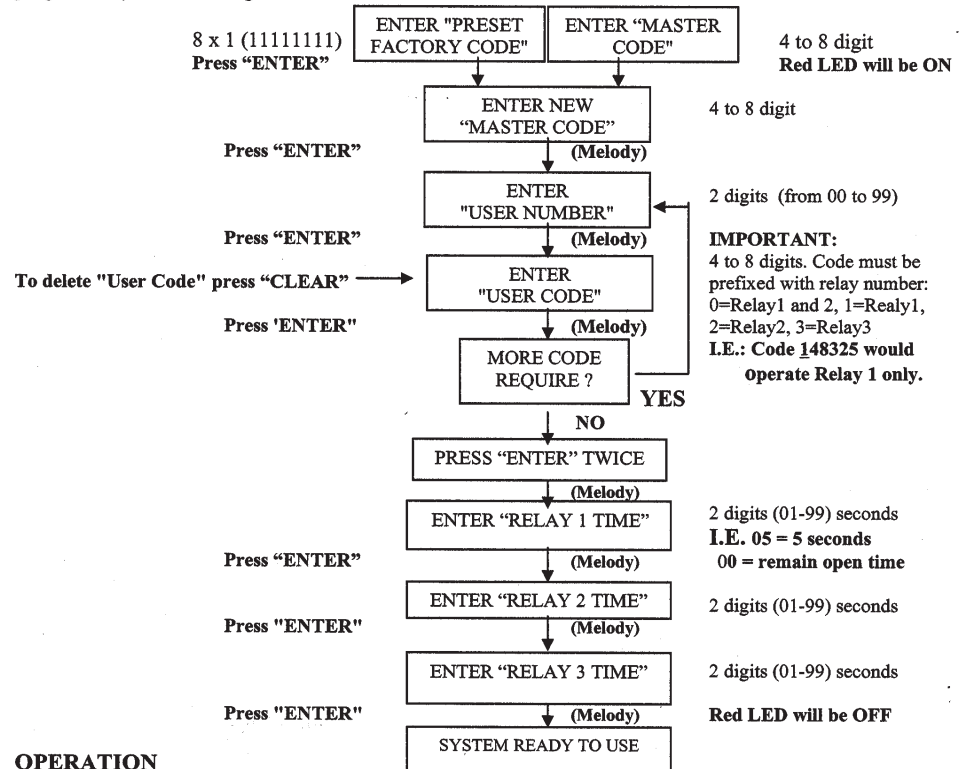
Keypad gives out an acoustic (buzzer) signaling during entering codes and a continuous melody for 4 or more seconds, according to the number of mistakes (self protection).

Keypad has got also a panel illumination (VX900N-2L-3L/F/S) and 2 LEDs to show the following:

1) Correct relay code: green LED on for 1 seconds.
2) Red LED always ON while entering into the "programming menu".

- Contacts of the relays are available (N.O and N.C) with 5A max. 24V AC or DC.
- Power requirements for VX900N: 12/24V AC/DC, 2VA.
- Working temperature -10 +50°C

INITIALIZATION

When the installation is concluded and carried out according to the wiring diagram, power up the system and program it by the following "VX900N PROGRAMMING" Flow Chart.

8 x 1 (11111111)
Press "ENTER"

ENTER "PRESET FACTORY CODE" → ENTER "MASTER CODE"

4 to 8 digit
Red LED will be ON

↓

ENTER NEW "MASTER CODE"   4 to 8 digit

Press "ENTER"   (Melody)

↓

ENTER "USER NUMBER"   2 digits (from 00 to 99)

Press "ENTER"   (Melody)   **IMPORTANT:**

To delete "User Code" press "CLEAR" →   ENTER "USER CODE"

4 to 8 digits. Code must be prefixed with relay number: 0=Relay1 and 2, 1=Realy1, 2=Relay2, 3=Relay3

Press 'ENTER"   (Melody)

↓

MORE CODE REQUIRE ?   **YES**

I.E.: Code 148325 would operate Relay 1 only.

↓ **NO**

PRESS "ENTER" TWICE

(Melody)

↓

ENTER "RELAY 1 TIME"   2 digits (01-99) seconds
I.E. 05 = 5 seconds
00 = remain open time

Press "ENTER"   (Melody)

↓

ENTER "RELAY 2 TIME"   2 digits (01-99) seconds

Press "ENTER"   (Melody)

↓

ENTER "RELAY 3 TIME"   2 digits (01-99) seconds

Press "ENTER"   (Melody)   **Red LED will be OFF**

↓

SYSTEM READY TO USE

OPERATION

To use the system, type in the programmed code and press "ENTER" button, green LED will be on and relay will operate for the programmed time.

To cancel remain open time, type in same code and press "CLEAR" button.

If a wrong code is entered, a continuous melody will give out for 4 or more seconds, according to the number of mistakes.

VIDEX – Codelock VX900N–2/2L 3/3L /F /S
Data list codes stored into memory.

ACCESS CODE

| | | | | | | | | | |

Time Relay 1 | | |
Time Relay 2 | | |
Time Relay 3 | | |

Examples:

0	4	7	6	3	5			Will operate relay 1 and 2
1	2	3	5	2				Will operate relay 1
2	3	0	5	3	2	2	0	Will operate relay 2
3	0	5	3	5	2			Will operate relay 3

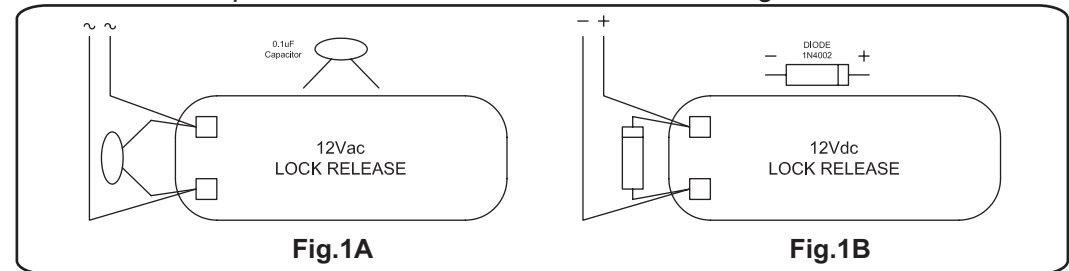| USER NAME	N°	RELAY CODE	USER NAME	N°	RELAY CODE	USER NAME	N°	RELAY CODE
	01			34			67	
	02			35			68	
	03			36			69	
	04			37			70	
	05			38			71	
	06			39			72	
	07			40			73	
	08			41			74	
	09			32			75	
	10			43			76	
	11			44			77	
	12			45			78	
	13			46			79	
	14			47			80	
	15			48			81	
	16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

GENERAL DIRECTIONS FOR INSTALLATION

In order to achieve the best results from the schematics described it is necessary to install only original **VIDEX** equipment, strictly keeping to the items indicated on each schematic and follow these General Directions for Installation:

- The system must be installed according to national rules in force, in any case the running of cables of any intercom unit must be carried out separately from the mains;
- All multipair cables should be compliant to CW1308 specification (0.5mm twisted pair telephone cable.
- Cables for speech line and service should have a max resistance of 10Ω
- Lock release wires should be doubled up (Lock release wires and power supply wires should have a max resistance of 3Ω);
- The cable sizes above can be used for distances up to 50m. On distances above 50m the cable sizes should be increased to keep the overall resistance of the cable below the RESISTANCES indicated above;
- Double check the connections before power up;
- Power up the system then check all functions.

LOCK RELEASE BACK EMF PROTECTION

A capacitor must be fitted across the terminals on AC lock release (Fig.1A) and a diode must be fitted across the terminals on a DC lock release (Fig.1B) to suppress back EMF voltages.
Connect the components to the lock releases as shown in figures.

Fig.1A   **Fig.1B**

BUZZER BACK EMF

When using intercoms with buzzer call (Art.924/926, SMART1/2, 3101/2, 3001/2 and 3021/2) add one 0,1uF capacitor between terminals 6 and 3.

If help is required for installing or operating this unit please contact our technical department on +39 0734 631669 (all countries) or +44 0191 224 3174 (UK).