

DESCRIPTION

VproX 250 is an advanced access control system based around the individual unique Videx Coded Key or Proximity Key giving over 4 billion combinations. System can handle up to 3 doors, it is possible to connect up to 6 Readers Module ART.847- ART.848 for contact Key or ART.849 for Proximity Key (2 each door) and connection can be made by using 4 standard wires, not shielded, for a max. distance of 200 mts and max. resistance of 10 Ohm.

It is possible to store up to 200 "USER" keys/Tags to be used at any time (from nr.0 to nr.199) and up to 50 "TRADE" keys/Tags to be used only during the programmed time band (from nr.200 to nr.249).

It is possible to connect a Videx printer Art.450 (by 25pole connector to read out:

- No. of key/Tag (3 digits: from 0 to 249 or ??? when not stored)
- No. of door (1 digit: from 1 to 3)
- Qualification of the key/Tag (1 character: Y=yes, N=no)
- Time of access (hh:mm)
- Date of access (MM/DD)

It is possible to connect an additional Button to close Relay 1 contact for programmed time. Highest protection against sabotage: the Control Unit "VPROX 250" (with built in all relays) is remote from the Readers ART. 847/848/849; after 5 attempts with unstored or not qualified keys/Tags, an alarm will be caused (ALARM relay will be on) and the Control Unit will disable all Readers (self protection) for programmed time, all data will be stored into own memory and on paper by printer.

High protection of DATA: all DATA are stored in two different memory (EEPROM); one remain on VPROX 250 board (colour BLACK) and one can be use as spare (colour RED) in case something will happen to the first one.

System has a DISPLAY that shows all data during programming mode; while during "stand by" it displays the "Date/Time" or nr. Of the key/Tag while operating the system.

System has a keypad 4x3 buttons for following:

- Program Master code to access to the programming menu
- Program up to 250 keys/Tags with possibility to address each key/Tag to the Readers wanted
- Delete one or more keys/Tags
- Program the ALARM relay time (1-255 secs)
- Program each other relay time (1-255 secs)
- Program "Time band" (hh:mm START, hh:mm STOP) during which it will be possible to use a TRADE keys/Tags (nr.200-249).
- Program "Hours, Date and Year".

INITIALIZATION

NOTE: during the installation, we suggest to separate the Mains lines (*lift, electricity, electric lock, etc.*) from the readers connection line (*at least 10 cm. far or use shielded cable for it*) to avoid electrostatic discharge and magnetic influence which could give control problems to the CPUs present on the system.

When the installation is concluded, place the jumper JP3 (battery back-up for Clock/Calendar) in ON position.

Power up the System and program it by "VPROX 250 PROGRAMMING" Flow Chart. Then, power off the System and disconnect the "BACKUP MEMORY" (keep it in a safe place). At the end, power up the System and the VPROX 250 is ready to work.

OPERATION

In stand by operation the System shows on DISPLAY the current TIME and DATA; when a user inserts a "stored key/Tag" in a Reader , the DISPLAY will show the No. of key/tag and which door is opening (by decimal point on DISPLAY), the Printer (if present) will print the operation. The LEDs on Reader will be green and a sharp "beep" will give out. If it's not a "stored key/Tag" the DISPLAY will show nothing, the LEDs on Reader will be red and a low "beep" will give out; the Printer will print the operation with the "???" instead of key No.

If the "PE" LED is ON means that the paper is empty or the Videx Printer Art.450 is not connect .

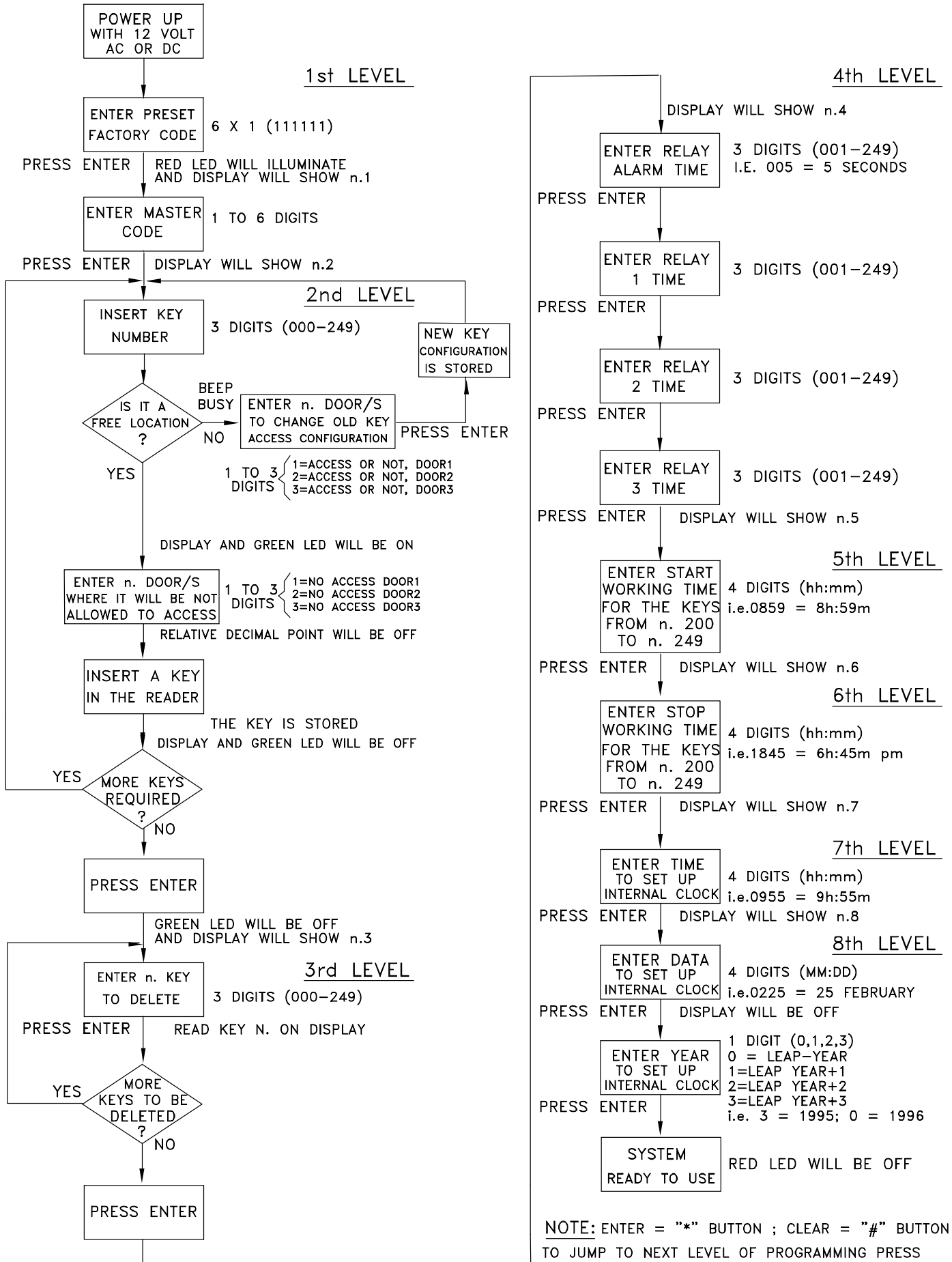
If you have the "internal Printer" you can advance the paper by pressing "FF" button.

If you want to know if a key/Tag is stored, keep pressed "#" button and then press "0" (until the green LED "insert key" will be on), release both buttons, press "#" button and insert the unknown key (DISPLAY shows the key number or nothing if it's an unstored key); at the end repeat the same procedure to came back in stand-by mode (Date/Time on DISPLAY and "insert key" LED off).

TECHNICAL SPECIFICATIONS

Storage capacity	: 250 keys/Tags
Working voltage	: 12V d.c. +/- 10%
Stand-by absorption	: about 250mA
Operation absorption	: max. 350mA
Operation absorption with internal Printer	: max. 1.5A
Working temperature	: -10 +50 C degrees

VproX - 250 PROGRAMMING
250 KEYS/TAGS SYSTEM



NOTE: ENTER = "*" BUTTON ; CLEAR = "#" BUTTON TO JUMP TO NEXT LEVEL OF PROGRAMMING PRESS "ENTER". TO EXIT BEFORE END OF THE PROGRAM MODE, PRESS ALWAYS "ENTER" UNTILL RED LED WILL BE OFF.

VIDEX Electronics VproX-250 SYSTEM

Data list stored into memory.

ACCESS CODE

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Time Relay ALARM			
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Time Relay 1			
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Time Relay 2			
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Time Relay 3			
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Start Working Time			
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NOTE: Only for keys from Nr.200 to 249.

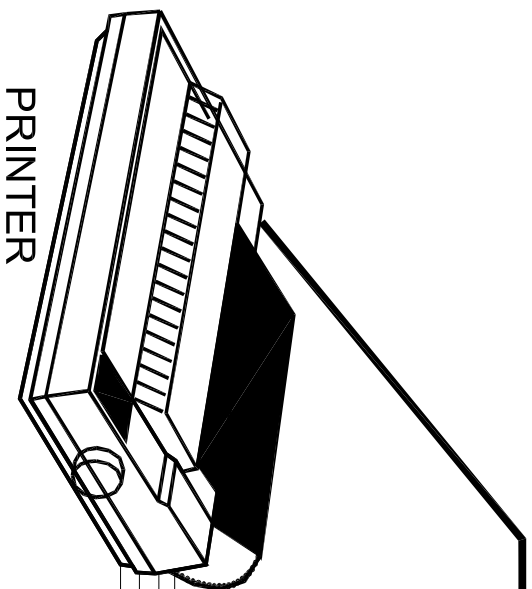
Stop Working Time			
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USER KEYS

USER NAME	N° KEY	USER NAME	N° KEY	USER NAME	N° KEY	USER NAME	N° KEY
	0 0 0		0 3 0		0 6 0		0 9 0
	0 0 1		0 3 1		0 6 1		0 9 1
	0 0 2		0 3 2		0 6 2		0 9 2
	0 0 3		0 3 3		0 6 3		0 9 3
	0 0 4		0 3 4		0 6 4		0 9 4
	0 0 5		0 3 5		0 6 5		0 9 5
	0 0 6		0 3 6		0 6 6		0 9 6
	0 0 7		0 3 7		0 6 7		0 9 7
	0 0 8		0 3 8		0 6 8		0 9 8
	0 0 9		0 3 9		0 6 9		0 9 9
	0 1 0		0 4 0		0 7 0		1 0 0
	0 1 1		0 4 1		0 7 1		1 0 1
	0 1 2		0 4 2		0 7 2		1 0 2
	0 1 3		0 4 3		0 7 3		1 0 3
	0 1 4		0 4 4		0 7 4		1 0 4
	0 1 5		0 4 5		0 7 5		1 0 5
	0 1 6		0 4 6		0 7 6		1 0 6
	0 1 7		0 4 7		0 7 7		1 0 7
	0 1 8		0 4 8		0 7 8		1 0 8
	0 1 9		0 4 9		0 7 9		1 0 9
	0 2 0		0 5 0		0 8 0		1 1 0
	0 2 1		0 5 1		0 8 1		1 1 1
	0 2 2		0 5 2		0 8 2		1 1 2
	0 2 3		0 5 3		0 8 3		1 1 3
	0 2 4		0 5 4		0 8 4		1 1 4
	0 2 5		0 5 5		0 8 5		1 1 5
	0 2 6		0 5 6		0 8 6		1 1 6
	0 2 7		0 5 7		0 8 7		1 1 7
	0 2 8		0 5 8		0 8 8		1 1 8
	0 2 9		0 5 9		0 8 9		1 1 9

Vprox 250 SYSTEM WIRING DIAGRAM

DATA CABLE



PRINTER

