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

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
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<tbody>
<tr>
<td>Storage capacity</td>
<td>250 keys/Tags</td>
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<tr>
<td>Working voltage</td>
<td>12V d.c. +/- 10%</td>
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<tr>
<td>Stand-by absorption</td>
<td>about 250mA</td>
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<tr>
<td>Operation absorption</td>
<td>max. 350mA</td>
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<tr>
<td>Operation absorption with internal Printer</td>
<td>max. 1.5A</td>
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<tr>
<td>Working temperature</td>
<td>-10 +50 C degrees</td>
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</table>
VproX - 250 PROGRAMMING

250 KEYS/TAGS SYSTEM

1st LEVEL

POWER UP WITH 12 VOLT AC OR DC

ENTER PRESET FACTORY CODE 6 X 1 (111111)

PRESS ENTER RED LED WILL ILLUMINATE AND DISPLAY WILL SHOW n.1

ENTER MASTER CODE 1 TO 6 DIGITS

PRESS ENTER DISPLAY WILL SHOW n.2

2nd LEVEL

INSERT KEY NUMBER

3 DIGITS (000-249)

NEW KEY CONFIGURATION IS STORED

IS IT A FREE LOCATION?

NO

YES

BEACON BUSY

TO CHANGE OLD KEY ACCESS CONFIGURATION

PRESS ENTER

1 TO 3 ACCESS OR NOT, DOOR 1 DIGITS 1 ACCESS OR NOT, DOOR 2 DIGITS 1 ACCESS OR NOT, DOOR 3

DISPLAY AND GREEN LED WILL BE ON

ENTER n. DOOR/S WHERE IT WILL NOT BE ALLOWED TO ACCESS

1 TO 3

1 = NO ACCESS DOOR 1
2 = NO ACCESS DOOR 2
3 = NO ACCESS DOOR 3

RELATIVE DECIMAL POINT WILL BE OFF

INSERT A KEY IN THE READER

THE KEY IS STORED

DISPLAY AND GREEN LED WILL BE OFF

YES

MORE KEYS REQUIRED?

NO

PRESS ENTER

GREEN LED WILL BE OFF AND DISPLAY WILL SHOW n.3

3rd LEVEL

ENTER n. KEY TO DELETE

3 DIGITS (000-249)

PRESS ENTER READ KEY N. ON DISPLAY

YES

MORE KEYS TO BE DELETED?

NO

PRESS ENTER

4th LEVEL

DISPLAY WILL SHOW n.4

ENTER RELAY ALARM TIME

3 DIGITS (001-249)

I.E. 005 = 5 SECONDS

PRESS ENTER

ENTER RELAY 1 TIME

3 DIGITS (001-249)

PRESS ENTER

ENTER RELAY 2 TIME

3 DIGITS (001-249)

PRESS ENTER

ENTER RELAY 3 TIME

3 DIGITS (001-249)

PRESS ENTER

DISPLAY WILL SHOW n.5

5th LEVEL

ENTER START WORKING TIME

4 DIGITS (hh:mm)

FOR THE KEYS FROM n. 200 TO n. 249

PRESS ENTER

DISPLAY WILL SHOW n.6

6th LEVEL

ENTER STOP WORKING TIME

4 DIGITS (hh:mm)

FOR THE KEYS FROM n. 200 TO n. 249

PRESS ENTER

DISPLAY WILL SHOW n.7

7th LEVEL

ENTER TIME TO SET UP INTERNAL CLOCK

4 DIGITS (hh:mm)

I.E. 0955 = 9h:55m

PRESS ENTER

DISPLAY WILL SHOW n.8

8th LEVEL

ENTER DATA TO SET UP INTERNAL CLOCK

4 DIGITS (MM:DD)

I.E. 0225 = 25 FEBRUARY

PRESS ENTER

DISPLAY WILL BE OFF

ENTER YEAR TO SET UP INTERNAL CLOCK

1 DIGIT (0,1,2,3)

0 = LEAP YEAR
1 = LEAP YEAR + 1
2 = LEAP YEAR + 2
3 = LEAP YEAR + 3

I.E. 3 = 1995; 0 = 1996

PRESS ENTER

SYSTEM READY TO USE

RED LED WILL BE OFF

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" UNTIL RED LED WILL BE OFF.
## USER KEYS

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