

**VproX 1000-M****1000 KEYS/TAGS SYSTEM - MULTIENTRANCES****DESCRIPTION**

VproX 1000 is an advanced access control system based around the individual unique Videx Coded Contact Key or Proximity Key giving over 4 billion combinations. System can handle up to 30 main doors ( 4 doors included on board ) and up to 100 apartment doors. All additional main doors and apartment doors need a local unit VproX 1000-A (connected to the VproX 1000 system by 3 wires BUS shielded, for a max. distance of 500 mts and max. resistance of 10 Ohm).

Main features.

VproX 1000 system has the possibility:

- ~ to store up to 1000 keys/Tags.
- ~ to connect up to 8 Readers Module ART.847 / 848 for contact Key or ART.849 for Proximity Key ( 2 each main door ) and connection can be made by using 5 standard wires, not shielded, for a max. distance of 200 mts and max. resistance of 10 Ohm.
- ~ to connect up to 16 additional main door ( by using VproX 1000-A coded from 105 to 120)
- ~ to connect up to 100 apartment unit (by using VproX 1000-A device)
- ~ to select which main door the key/Tag can access (up to 20 doors, 4 included on board and 16 additional main door by using VproX 1000-A device)
- ~ to select which apartment door the key/Tag can access
- ~ to select one of 4 "time band" during which it will be possible to entry
- ~ to store one or more Master key/Tag (with it, it is possible to entry everywhere)
- ~ to store more than one key/Tag each apartment (no limit)
- ~ to store the same key/Tag in difference apartments
- ~ to open main door and apartment door with the same key/Tag
- ~ to modify the setting parameters of a stored key/Tag
- ~ to delete a lost key/Tag
- ~ to keep in memory the last 512 accesses (Data Report), scroll them directly on display or download them in a printer or a PC.
- ~ to connect a Videx printer Art.450 (by 25pole connector) to read out:
  - No. of key/tag (3 digits: from 0 to 999 or ??? when not stored)
  - No. of key/Tag where it allows to entry (2 digit: from 01 to 99 or "M" if it is a Master key/Tag)
  - No. of main door (2 digits: from D1 to D20) or No. of apartment unit (2 digits: from U01 to U99)
  - Qualification of the key/Tag ( 1 character: Y=yes, N=no)
  - Time of access (hh:mm)
  - Date of access (MM/DD)
- ~ to connect a PC (by 9pole connector standard RS232 interface and a program disk):
  - to write the users name on a Database
  - to have all data report stored in a file (on Diskette or Hard Disk)
  - to see on screen (or to print ) all data report with the respective user name
  - to see on screen (or to print ) the data report about only a single key/Tag
- ~ to connect an additional Button to close Relay 1 contact for programmed time
- ~ to connect an ALARM unit

Highest protection against sabotage: the Control Unit " VproX 1000" (with built in all relays) is remote from the Readers Art.847/848/849; after 5 attempts with unstored or not qualified key/Tag, 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, or paper by printer (if installed) or PC (if connected).

High protection of Key/Tag DATA: all Key/Tag DATA are stored in two different memory (EEPROM); one remain on VproX 1000 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 time and date.

System has a keypad 4x4 buttons for following:

- Program Master code to access to the programming menu
- Program up to 1000 keys/Tags with possibility to select which apartment door, which main door and in which "time band" the key/Tag can access
- Delete one or more keys/Tags
- Program the ALARM relay time ( 1-255 secs)
- Program each other relay time ( 1-255 secs)
- Program 4 "time band" ( hh:mm START, hh:mm STOP and week DAY each) during which it will be possible to use a stored keys/Tags with this facility
- Program "Hours, Date and week Day".

## INITIALIZATION

**Note:** In order to avoid electric discharges which could give problems to the system, we suggest not to install the cables together with other power lines (AC electric lock cables, mains cables, lift cables, etc) or use a shielded cable for the Readers connection and for the BUS line. When the installation is concluded and carried out according to wiring diagram, place the jumper J1 (battery back-up for Clock/Calendar) in ON position.

If you have installed some VproX 1000-A units, you must set in binary code its Dip-switch bank (No. of Unit and Relay time) before power up the system. To program it as an Apartment Unit you have to choose Nr. from 1 to 99 and from 105 to 120 to program it as an additional Main door Unit .

Power up the System and program it by " VproX 1000 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 1000 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 (Main door or Apartment door) , 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 '???' , 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/Tag No. . All Data Report will be stored into memory (Eeprom) present in the System.

If the "BUS FAIL" LED is ON means that there are problems in the serial BUS connection with the Apartment Unit VproX 1000-A.

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

If you have the "internal Printer" Art.450, you can advance the paper by pressing "FF" button.

If you want to know if a key/Tag is stored, keep pressed "#" button ( Display will show "TEST KEY"), release button and insert the unknown key/Tag ( DISPLAY shows the key/Tag number ); at the end repeat the same procedure to came back in stand-by mode.

If you want to download all Data Report Memory (the last 512 accesses) you must press 'D' button on the keypad ( "REPORT? 1=LPT - 2=DISPLAY" on display) and press '1' if you want to send all to the printer or press '2' to scroll them on display by using "\*" button.

## TECHNICAL SPECIFICATIONS

Storage capacity	:1000 keys
Working voltage	: 12V d.c. +/- 10%
Stand-by absorption	: about 350mA
Operation absorption	: max. 450mA
Operation absorption with internal Printer	: max. 1.5A
Working temperature	: -10 +50 C degrees

## VP1000 Windows software

The VP1000 Windows software is designed to allow the main features of the VproX 1000 key CPU to be carried out from a PC:

### Installation :

To install the program run SETUP.EXE from the root directory on the CD. After the setup is complete, the VP1000 program will appear in the start menu on your computer.

The first time the program is run it will ask for the communication port the VP1000 is connected to and the number of doors on the system:-

### **Communication port setup**

The communication port on the side of the Vprox1000 CPU (Labelled RS232) should be connected to a spare communications port on the PC by means of a serial cable. When you run the program for the first time, it will prompt you to select the communications port. Simply click on the port number you have connected the Vprox1000 CPU to (i.e. Com1, Com2, Com3 or Com4) and click OK. The program will remember the communication port so this should not need to be done again unless the communication port is changed. To change the communication port :

- From the main screen select SETUP
- Select the port settings tab
- Select the new communications port and click OK

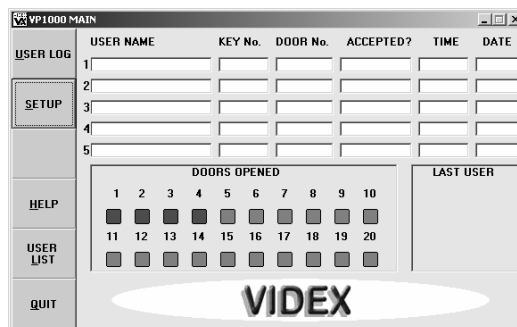
### **Number of doors**

To setup the number of doors on the system :

- From the main screen select setup
- Select the No. of doors tab
- Select the number of doors and press OK

### **Main screen**

From the main screen it is possible to view the last five users of the system. It will show the door they used, whether they were excepted through the door or not, their key number and the time/date they used the system. The last users line will be shown in green if they entered the building and red if they were denied access. A photo of the last user can also be shown.



The main screen also shows the state of the door relays. (Either active [Green] or not active [Red]).

To the right of the screen are a number of buttons which allow you to navigate through the system :

**User log :** From here you can view a log of the users on the system. It is also possible to download the last 511 users from the CPU.

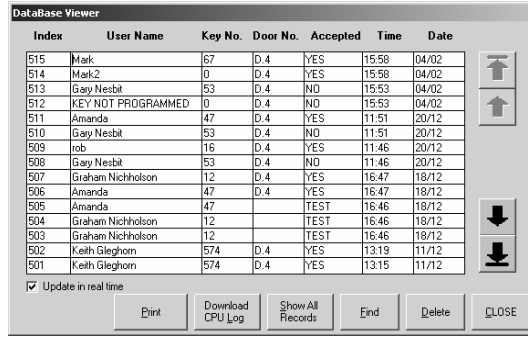
**Setup :** From here it is possible to setup the system as well as add, edit and delete users.

**User List :** This screen will give you a list of all the users currently programmed into the system.

**Help :** This is what you are reading now.

## User Log

The user log is a database containing records of all the users who have used the system.



Index	User Name	Key No.	Door No.	Accepted	Time	Date
515	Mark	67	D.4	YES	15:58	04/02
514	Mark2	0	D.4	YES	15:58	04/02
513	Gary Nesbit	53	D.4	NO	15:53	04/02
512	KEY NOT PROGRAMMED	0	D.4	NO	15:53	04/02
511	Amanda	47	D.4	YES	11:51	20/12
510	Gary Nesbit	53	D.4	NO	11:51	20/12
509	rob	16	D.4	YES	11:46	20/12
508	Gary Nesbit	53	D.4	NO	11:46	20/12
507	Graham Nicholson	12	D.4	YES	16:47	18/12
506	Amanda	47	D.4	YES	16:47	18/12
505	Amanda	47		TEST	16:46	18/12
504	Graham Nicholson	12		TEST	16:46	18/12
503	Graham Nicholson	12		TEST	16:46	18/12
502	Keith Gleghorn	574	D.4	YES	13:19	11/12
501	Keith Gleghorn	574	D.4	YES	13:15	11/12

For each user the following information is recorded :

- User name
- Key number
- Door number accessed
- Was access granted or denied?
- Time of access
- Date of access

From the user log page it is possible to download the last 511 log entries from the Vprox1000 CPU. To do this simply press the download CPU log button and the download will commence.

To the left of the screen there are four buttons to navigate the database. These buttons are self explanatory.

The database has no limit to the number of records it can hold. So a DELETE button is also available to remove all records or a selection of records to prevent the database using valuable hard drive space.

The FIND button allows you to find a particular user name or key number.

After viewing a particular key, to go back to the full database press the SHOW ALL RECORDS button.

If a hard copy is required for the user you are viewing or for all users, press the PRINT button. A standard print dialogue box will appear. Simply choose the printer and press print.

Finally, when the UPDATE IN REAL TIME box is ticked, new entries will appear on the screen as they happen. If this box is not ticked, the entries will be recorded in the database but will not appear on the screen.

## Setup

The setup page is split into the following sections :

**Port Settings** [Choose the communications port which is to be connected to the Vprox1000 CPU] as shown on page 1

**No. of Doors** [Choose how many doors are on the system] as shown on page 1

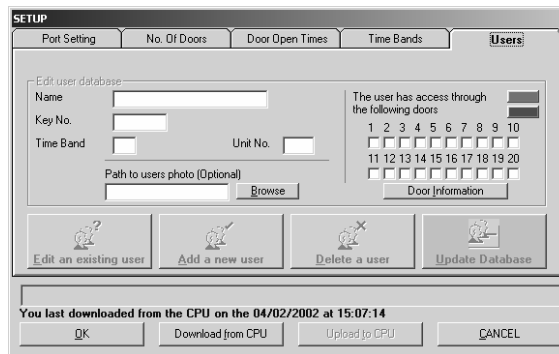
**Door Open Times** [Set the door open times for the four main doors and the alarm relay time]

**Time Bands** [Set the four optional time bands]

**Users** [Add, Edit or Delete users from the system]

**Download** [Download the programming information stored in the Vprox1000 CPU]

**Upload** [Upload the information stored in the PC back to the Vprox1000 CPU]



The screenshot shows the 'SETUP' window with the 'Users' tab selected. It contains fields for 'Name', 'Key No.', 'Time Band', and 'Unit No.'. There is a 'Browse' button for 'Path to users photo (Optional)'. A section titled 'The user has access through the following doors' shows a grid of checkboxes for doors 1 through 20. At the bottom, there are buttons for 'Edit an existing user', 'Add a new user', 'Delete a user', and 'Update Database'. A status bar at the bottom indicates 'You last downloaded from the CPU on the 04/02/2002 at 15:07:14' and has buttons for 'OK', 'Download from CPU', 'Upload to CPU', and 'CANCEL'.

## Door open times

The door open times for doors 1 to 4 can be programmed to anything from 1 second to 255 seconds. All other doors can not be programmed via the PC. To change the door open times :

- From the main screen select setup
- Select the Door open times tab
- Enter the door open times in the boxes shown and press OK (i.e. 5 seconds = 5)

## **Alarm relay time**

The alarm relay time is the time the alarm relay on the CPU will stay active for. The alarm relay activates if a key that is not programmed or does not have access through a certain door is used consecutively five times.

To change the alarm relay time :

- From the main screen select setup
- Select the Door open times tab
- Enter the time in the box provided and then press OK. (i.e. 10 seconds = 10)

## **Time bands**

There are four time bands available on the Vprox1000 system. These are labelled A, B, C & D. Each time band has a start time, a stop time and a day option. The day option means the time band can be set to work on all days, a single day, week days or weekends.

To change the time bands :

- From the main screen select setup
- Select the Time bands tab
- Use the drop down menus to select the times and days for each of the four time bands and then press OK.

## **Download from Vprox1000 CPU**

It is necessary to download from the CPU every time you run the program. This is to prevent accidental loss of keys due to the possibility that the CPU information has been changed since the last upload from the PC.

The following information is downloaded :

- Programmed keys and access levels
- Door open times
- Time bands

To download from the Vprox1000 :

- From the main screen select setup
- Press Download from CPU.
- A password box will appear. Enter the CPU master code (Factory default is 11111111). But this may have been changed at the time of installation. The master code can only be changed from the CPU.
- After entering the master code, press OK.
- If the master code is correct, the progress of the download will be shown across the bottom of the screen.

Once the download is complete, all information from the CPU will be saved to the PC.

## **Upload to Vprox1000 CPU**

It is necessary to upload to the CPU every time you add, edit or delete keys and when ever changes are made to door open times and time bands. To Upload to the Vprox1000 :

- From the main screen select setup
- Press Upload from CPU.
- A password box will appear. Enter the CPU master code (Factory default is 11111111). But this may have been changed at the time of installation. The master code can only be changed from the CPU.
- After entering the master code, press OK.
- If the master code is correct, the progress of the upload will be shown across the bottom of the screen.

Once the upload is complete, all information from the PC will be saved to the CPU.

## **Add a new user**

Adding a user requires the use of a reader module to read the key which is to be programmed into the system. Before you can add users you must first download from the CPU if you have not already done so. To add a user to the Vprox1000 :

- From the main screen select setup
- Select the Users tab
- Select Add a new user.
- A new box will appear which will allow you to either press a button to show the next available key number or use a drop down menu to show all available key numbers from which to choose one.
- Once a key number has been selected, press the OK button.
- A red window will appear which will ask you to put the key on the reader.
- Once the key has been read the window will go green.
  - At this point you will be asked to enter the users details which consist of :
    - The users name
    - The time band A, B, C, D or N for no time band
    - The unit number (Between 1 & 99 for apartment doors)
    - Path to users photo (Optional facility to add a users photo to the system) **(\*)note**
    - Door access, (Select which door they may or may not use).
  - After entering all the detail, press the Update database button to save the entry.

At this point you can either go back and add another key or upload the information to the CPU.

**(\*)note:** The users photo should be approx. 3cm by 5cm. And stored on the computer as either a JPG or BMP image.

## Edit a user

When editing a user you can change the users name, there time band, there photo ID, there access level and there unit number. Before you can edit users you must first download from the CPU if you have not already done so. To edit a user:

- From the main screen select setup
- Select the Users tab
- Select Edit a user.
- A new box will appear which will allow you to either search for the user you wish to edit by user name or by key number.
- Once a user has been selected, press the OK button.
- The users details will appear on the screen. It will now be possible to edit them.
- After entering all the detail, press the Update database button to save the entry.

At this point you can either go back and edit another user or upload the information to the CPU.

## Deleting a user

Deleting a user will completely remove them from the system. Before you can delete users you must first download from the CPU if you have not already done so. To delete a user :

- From the main screen select setup
- Select the Users tab
- Select Delete a user.
- A new box will appear which will allow you to either search for the user you wish to delete by user name or by key number.
- Once a user has been selected, press the OK button.
- The users details will appear on the screen. A message box will appear asking you if you are sure you want to delete the user.

At this point you can either go back and delete another user or upload the changes to the CPU.

## User List

The user list contains a list of all the users currently programmed into the system along with their key numbers. It also shows the number of users on the system.

USERS NAME	KEY No.	MAIN DOOR ACCESS																				BAND	UNIT
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
Mark2	10	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	N		
Jeff Tindle	1	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	N		
John Liddle	3	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	N	1	
John Rickard	5	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	C		
Simon Side	6	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	D	99	
Alec Grainger	7	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	B		
Neil Thomas	8	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	N		
Test Key	10	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	N		
Graham Nicholson	12	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	N		
Mr Pickering	13	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	N		
Joan Headly	14	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	N		
James Smiff	15	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	N		
rob	16	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	N		
John Doe	17	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	N		
Andy Mac	19	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	N		

Green = Access      Red = Access Denied

BACK    NEXT      No. of users 49      Print    CLOSE

Navigating through the users is by means of a NEXT and BACK button. Each page will show 15 users. Press the NEXT button to show the next 15 users, press the back button to show the previous 15 users. Press the PRINT button to obtain a hard copy.

## Minimum system required

The SK1000 software is designed to operate on a Windows based PC with the following minimum specification :

- Pentium processor 233MHz personal computer or higher.
- Windows 95 or later
- 16MB RAM Memory
- CD-ROM Drive
- SVGA, 16 bit colour
- Spare serial communications port







# VPROX 1000-A

## REMOTE APARTMENT UNIT KEY SYSTEM

### DESCRIPTION

System works with the VproX 1000 Unit through a Serial BUS interface (only 3 wires not shielded, for a max. distance of 500 mts and max. resistance of 10 Ohm).

It is possible:

- ~ to connect on the same BUS more than 100 VproX 1000-A Units which, during initialisation, must be named giving a distinguishing number (in BINARY code) by means of the 8 way Dip-switch bank present on the board ( switches from Nr.1 to Nr.7 ).
- ~ to program it as an Apartment door Unit using Nr. from 1 to 99
- ~ to program it as an Additional Main door Unit using Nr. from 105 to 120 ( the real Nr. will be Additional Main door from 5 to 20 )
- ~ to connect a Reader Module ART.847, 848 or 849 using 5 standard wires, not shielded, for a max. distance of 200 mts and max. resistance of 10 Ohm
- ~ to connect a Back-up Battery to guarantee the right operation in case of Mains failure (230V a.c.); at the end the system will provide to charge it
- ~ to select the Relay output time from 2 to 5 sec.( by means 8th Dip-switch)
- ~ to connect an additional Button to close Relay 1 contact for programmed time
- ~ to supply directly d.c. or a.c. Lock (12V 1.6A max.)

- 9 Module Box facility.

- Red LED facility to signals a damage on the output stage connected with the BUS (in case of fault it helps to find the damaged Unit).

- Self protection Alarm after 5 attempts with an unstored or not qualified keys: the Reader will be disable the 1st time for 10 sec. the 2nd 20 sec. and so on.

### OPERATION

In stand-by operation, the system is ready to accept a key; when a user inserts a key in a Reader, the system, by the Serial BUS, asks to the VPROX 1000 if the key is stored and qualified; if yes, the Reader will be green, a sharp "beep" will give out and a Relay will be on for programmed time, if not, the Reader will be red and a low "beep" will give out.

### Technical specification

Working voltage	: 230V a.c. +/- 10%
Stand-by absorption	: approx. 3VA
Operation absorption with Electric Lock ON	: max. 20VA
Working temperature	: -10 +50 C degrees

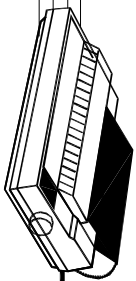
## Table for decimal to binary conversion to program the VproX 1000-A

Decimal Nr.	DIP-SWITCH Nr.							Decimal Nr.	DIP-SWITCH Nr.						
	1	2	3	4	5	6	7		1	2	3	4	5	6	7
1	ON	OFF	OFF	OFF	OFF	OFF	OFF	65	ON	OFF	OFF	OFF	OFF	OFF	ON
2	OFF	ON	OFF	OFF	OFF	OFF	OFF	66	OFF	ON	OFF	OFF	OFF	OFF	ON
3	ON	ON	OFF	OFF	OFF	OFF	OFF	67	ON	ON	OFF	OFF	OFF	OFF	ON
4	OFF	OFF	ON	OFF	OFF	OFF	OFF	68	OFF	OFF	ON	OFF	OFF	OFF	ON
5	ON	OFF	ON	OFF	OFF	OFF	OFF	69	ON	OFF	ON	OFF	OFF	OFF	ON
6	OFF	ON	ON	OFF	OFF	OFF	OFF	70	OFF	ON	ON	OFF	OFF	OFF	ON
7	ON	ON	ON	OFF	OFF	OFF	OFF	71	ON	ON	ON	OFF	OFF	OFF	ON
8	OFF	OFF	OFF	ON	OFF	OFF	OFF	72	OFF	OFF	OFF	ON	OFF	OFF	ON
9	ON	OFF	OFF	ON	OFF	OFF	OFF	73	ON	OFF	OFF	ON	OFF	OFF	ON
10	OFF	ON	OFF	ON	OFF	OFF	OFF	74	OFF	ON	OFF	ON	OFF	OFF	ON
11	ON	ON	OFF	ON	OFF	OFF	OFF	75	ON	ON	OFF	ON	OFF	OFF	ON
12	OFF	OFF	ON	ON	OFF	OFF	OFF	76	OFF	OFF	ON	ON	OFF	OFF	ON
13	ON	OFF	ON	ON	OFF	OFF	OFF	77	ON	OFF	ON	ON	OFF	OFF	ON
14	OFF	ON	ON	ON	OFF	OFF	OFF	78	OFF	ON	ON	ON	OFF	OFF	ON
15	ON	ON	ON	ON	OFF	OFF	OFF	79	ON	ON	ON	ON	OFF	OFF	ON
16	OFF	OFF	OFF	OFF	ON	OFF	OFF	80	OFF	OFF	OFF	OFF	ON	OFF	ON
17	ON	OFF	OFF	OFF	ON	OFF	OFF	81	ON	OFF	OFF	OFF	ON	OFF	ON
18	OFF	ON	OFF	OFF	ON	OFF	OFF	82	OFF	ON	OFF	OFF	ON	OFF	ON
19	ON	ON	OFF	OFF	ON	OFF	OFF	83	ON	ON	OFF	OFF	ON	OFF	ON
20	OFF	OFF	ON	OFF	ON	OFF	OFF	84	OFF	OFF	ON	OFF	ON	OFF	ON
21	ON	OFF	ON	OFF	ON	OFF	OFF	85	ON	OFF	ON	OFF	ON	OFF	ON
22	OFF	ON	ON	OFF	ON	OFF	OFF	86	OFF	ON	ON	OFF	ON	OFF	ON
23	ON	ON	ON	OFF	ON	OFF	OFF	87	ON	ON	ON	OFF	ON	OFF	ON
24	OFF	OFF	OFF	ON	ON	OFF	OFF	88	OFF	OFF	OFF	ON	ON	OFF	ON
25	ON	OFF	OFF	ON	ON	OFF	OFF	89	ON	OFF	OFF	ON	ON	OFF	ON
26	OFF	ON	OFF	ON	ON	OFF	OFF	90	OFF	ON	OFF	ON	ON	OFF	ON
27	ON	ON	OFF	ON	ON	OFF	OFF	91	ON	ON	OFF	ON	ON	OFF	ON
28	OFF	OFF	ON	ON	ON	OFF	OFF	92	OFF	OFF	ON	ON	ON	OFF	ON
29	ON	OFF	ON	ON	ON	OFF	OFF	93	ON	OFF	ON	ON	ON	OFF	ON
30	OFF	ON	ON	ON	ON	OFF	OFF	94	OFF	ON	ON	ON	ON	OFF	ON
31	ON	ON	ON	ON	ON	OFF	OFF	95	ON	ON	ON	ON	ON	OFF	ON
32	OFF	OFF	OFF	OFF	OFF	ON	OFF	96	OFF	OFF	OFF	OFF	OFF	ON	ON
33	ON	OFF	OFF	OFF	OFF	ON	OFF	97	ON	OFF	OFF	OFF	OFF	ON	ON
34	OFF	ON	OFF	OFF	OFF	ON	OFF	98	OFF	ON	OFF	OFF	OFF	ON	ON
35	ON	ON	OFF	OFF	OFF	ON	OFF	99	ON	ON	OFF	OFF	OFF	ON	ON
36	OFF	OFF	ON	OFF	OFF	ON	OFF	100	OFF	OFF	ON	OFF	OFF	ON	ON
37	ON	OFF	ON	OFF	OFF	ON	OFF	101	ON	OFF	ON	OFF	OFF	ON	ON
38	OFF	ON	ON	OFF	OFF	ON	OFF	102	OFF	ON	ON	OFF	OFF	ON	ON
39	ON	ON	ON	OFF	OFF	ON	OFF	103	ON	ON	ON	OFF	OFF	ON	ON
40	OFF	OFF	OFF	ON	OFF	ON	OFF	104	OFF	OFF	OFF	ON	OFF	ON	ON
41	ON	OFF	OFF	ON	OFF	ON	OFF	105	ON	OFF	OFF	ON	OFF	ON	ON
42	OFF	ON	OFF	ON	OFF	ON	OFF	106	OFF	ON	OFF	ON	OFF	ON	ON
43	ON	ON	OFF	ON	OFF	ON	OFF	107	ON	ON	OFF	ON	OFF	ON	ON
44	OFF	OFF	ON	ON	OFF	ON	OFF	108	OFF	OFF	ON	ON	OFF	ON	ON
45	ON	OFF	ON	ON	OFF	ON	OFF	109	ON	OFF	ON	ON	OFF	ON	ON
46	OFF	ON	ON	ON	OFF	ON	OFF	110	OFF	ON	ON	ON	OFF	ON	ON
47	ON	ON	ON	ON	OFF	ON	OFF	111	ON	ON	ON	ON	OFF	ON	ON
48	OFF	OFF	OFF	OFF	ON	ON	OFF	112	OFF	OFF	OFF	OFF	ON	ON	ON
49	ON	OFF	OFF	OFF	ON	ON	OFF	113	ON	OFF	OFF	OFF	ON	ON	ON
50	OFF	ON	OFF	OFF	ON	ON	OFF	114	OFF	ON	OFF	OFF	ON	ON	ON
51	ON	ON	OFF	OFF	ON	ON	OFF	115	ON	ON	OFF	OFF	ON	ON	ON
52	OFF	OFF	ON	OFF	ON	ON	OFF	116	OFF	OFF	ON	OFF	ON	ON	ON
53	ON	OFF	ON	OFF	ON	ON	OFF	117	ON	OFF	ON	OFF	ON	ON	ON
54	OFF	ON	ON	OFF	ON	ON	OFF	118	OFF	ON	ON	OFF	ON	ON	ON
55	ON	ON	ON	OFF	ON	ON	OFF	119	ON	ON	ON	OFF	ON	ON	ON
56	OFF	OFF	OFF	ON	ON	ON	OFF	120	OFF	OFF	OFF	ON	ON	ON	ON
57	ON	OFF	OFF	ON	ON	ON	OFF	121	ON	OFF	OFF	ON	ON	ON	ON
58	OFF	ON	OFF	ON	ON	ON	OFF	122	OFF	ON	OFF	ON	ON	ON	ON
59	ON	ON	OFF	ON	ON	ON	OFF	123	ON	ON	OFF	ON	ON	ON	ON
60	OFF	OFF	ON	ON	ON	ON	OFF	124	OFF	OFF	ON	ON	ON	ON	ON
61	ON	OFF	ON	ON	ON	ON	OFF	125	ON	OFF	ON	ON	ON	ON	ON
62	OFF	ON	ON	ON	ON	ON	OFF	126	OFF	ON	ON	ON	ON	ON	ON
63	ON	ON	ON	ON	ON	ON	OFF	127	ON	ON	ON	ON	ON	ON	ON
64	OFF	OFF	OFF	OFF	OFF	OFF	ON								

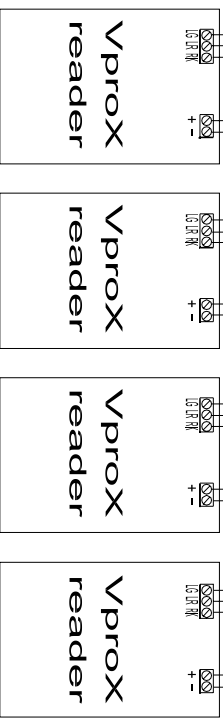
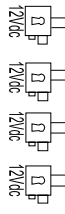
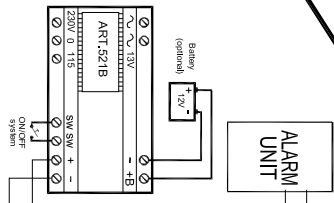
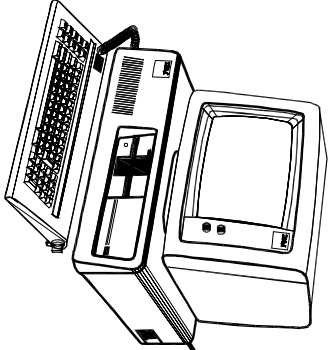
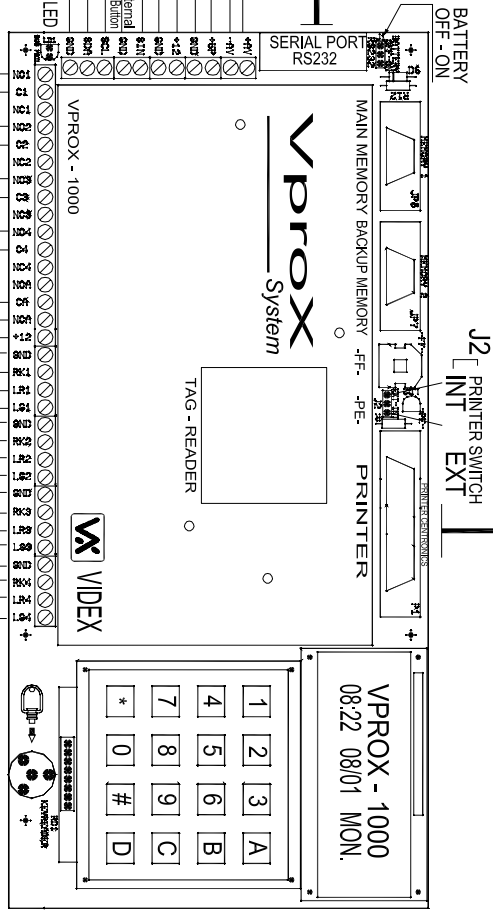
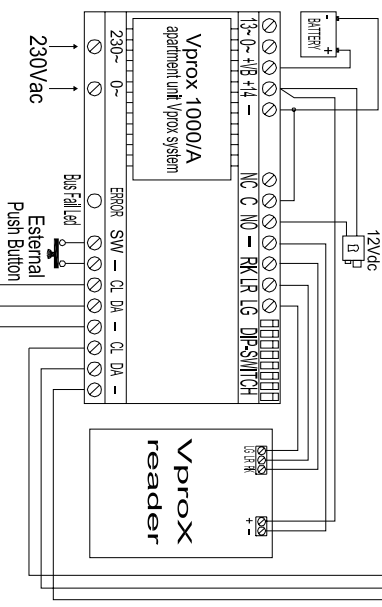
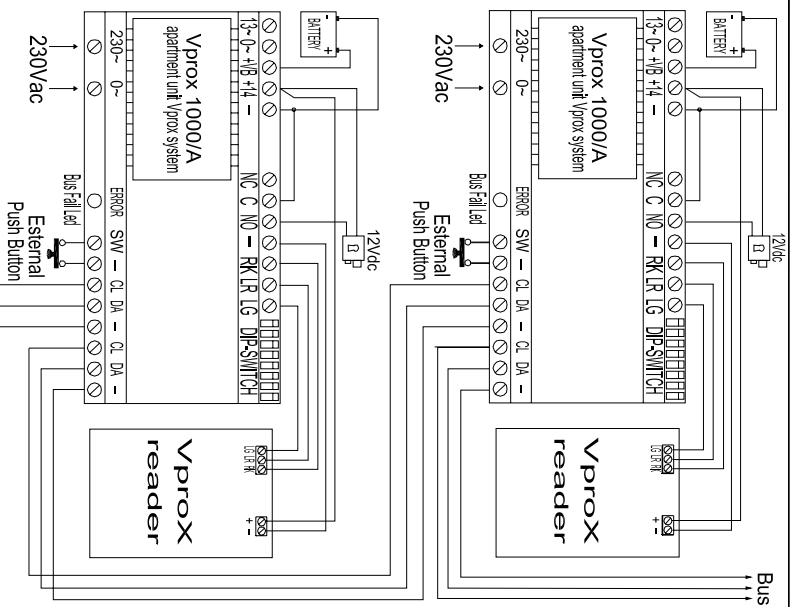
# Vprox 1000 SYSTEM WIRING DIAGRAM

PRINTER

POWER CABLE (INTERNAL PRINTER ONLY)



DATA CABLE



NOTE:  
SETUP THE DIP-SWITCH ON SENTRYKEY 1000-A  
UNITS BEFORE POWER UP.

Vpx70982.dwg