



E.WIN

ACCESS CONTROL SOFTWARE

OPERATIONAL MANUAL

2.0.09

E.WIN Operation Manual

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CHAPTER 1

1.0 INTRODUCTION

This document will guide you through the installation of the *E.WIN* software. The chapters of this manual have been laid out in a sequential manner where concepts and programming steps are introduced step by step. Most of the examples and operations in different chapters are inter-linked, building on what has been explained in a successive manner. We strongly suggest that if you are using *E.Win* for the first time, follow through the manual without attempting to jump topics.

1.1 E.WIN VERSION AND OPTIONAL MODULE

E.WIN comes in various versions.

E.WIN/0	For controlling 0 – 4 doors
E.WIN/1	For controlling 16 doors
E.WIN/2	For controlling 32 doors
E.WIN/3	For controlling 64 doors
E.WIN/4	For controlling 128 doors

E.Win has also various optional modules which can be programmed inside the programmable **E.Key** :

Time Management Module	Time Management module that supports Multiple-shift.
Lift Access Module	Lift Access module that manage lift controller
Modem Module	Modem module that allows transaction from controllers at remote sites polled automatically based on predefined period by Hayes compatible dial-up and leased line modem.
WEB Support Module	Tiny Web Server module enabling the E.WIN information to be accessed through the standard web browser

1.2 E.WIN MAIN PROGRAM

E.Win consists of 2 modular programs:

1. Designer

To configure the system. It allow user to incorporate floor plans and field devices (readers, sensor points and output points)

2. Access Manager

Manage all the door access related operations, most of the time, you will be using Manager.

1.3 PC REQUIREMENTS

CPU	Pentium/AMD or higher microprocessor
Memory (RAM)	At least 128 MB
Disk Space	30MB (Installation), 100MB (Operation)
Display	Super VGA monitor with 1M SVGA interface board
Serial Port	COM 1 to COM 16
Interface	Keyboard and Mouse
Operation System	Windows 200, XP or Vista
Printer	Parallel to any printer which support windows.
Disk Drive	CD-ROM 24 speed or higher

1.4 SUPPORTING ACCESS CONTROLLERS

E.Win handle a variety of door access controllers. They are:

- EL3xx Series (such as EL360 and EL370)
- EL13xx Series (such as EL1300, EL1310 and EL1330)
- EL22xx Series (such as EL2200, EL2205, EL2205L and FC1205)
- EL23xx Series (Such as EL2308)
- EL2800
- EL3000 series (Incorporated with fingerprint recognition module)

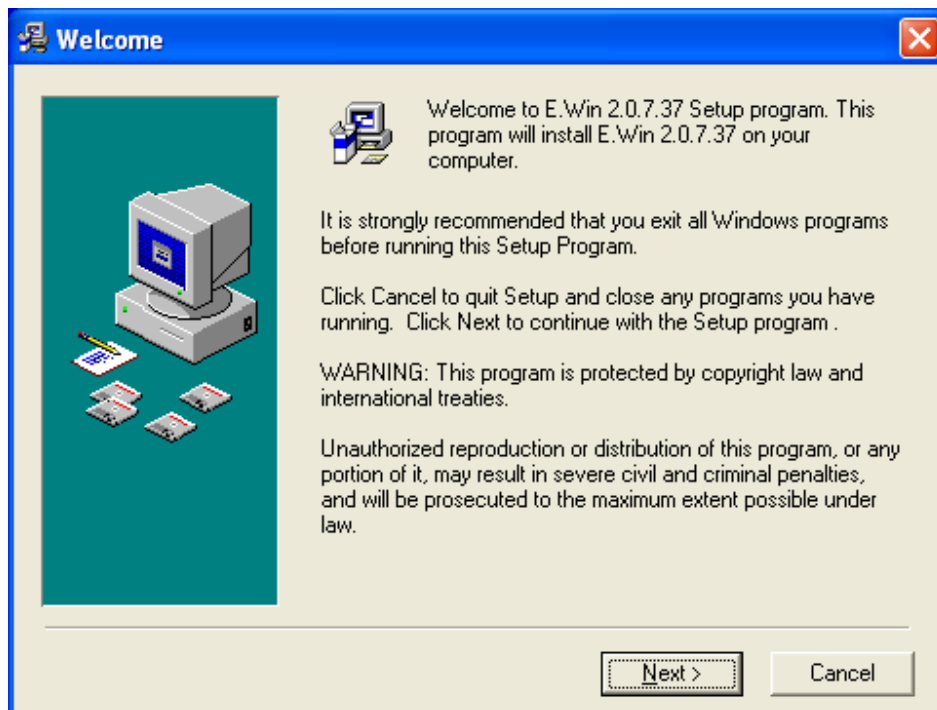
CHAPTER 2

2.1 E.WIN INSTALLATION

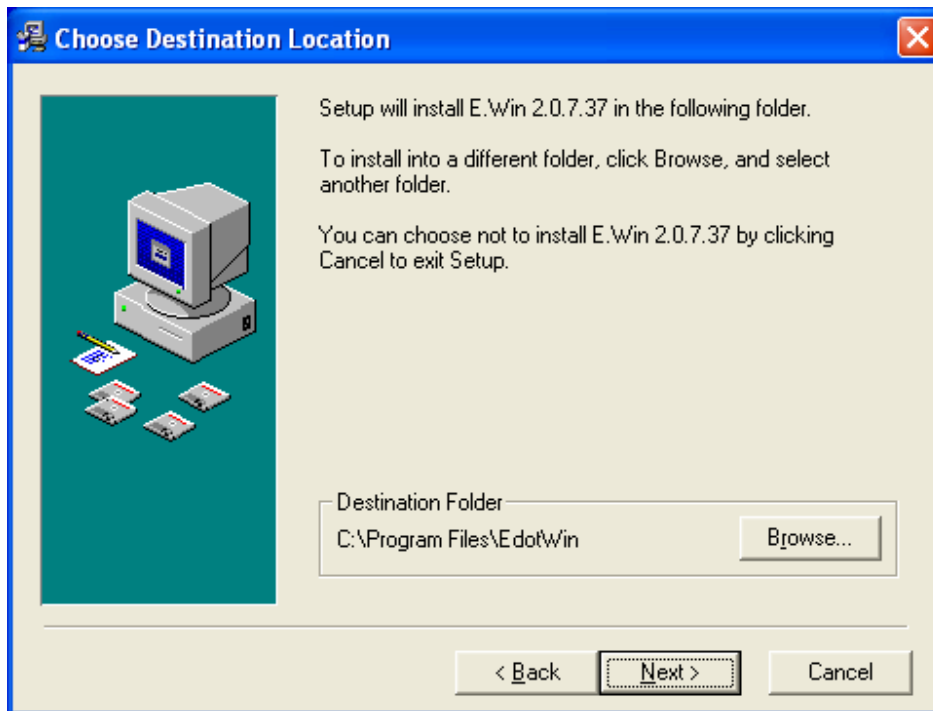
Insert **E.Win** CD into the CD-ROM, the CD will automatically run the setup launcher if your OS support Autoplay feature. To run the setup manually, browse the CD using Windows Explorer, run **E.Win.exe**.

2.1.1 Insert installation CD.

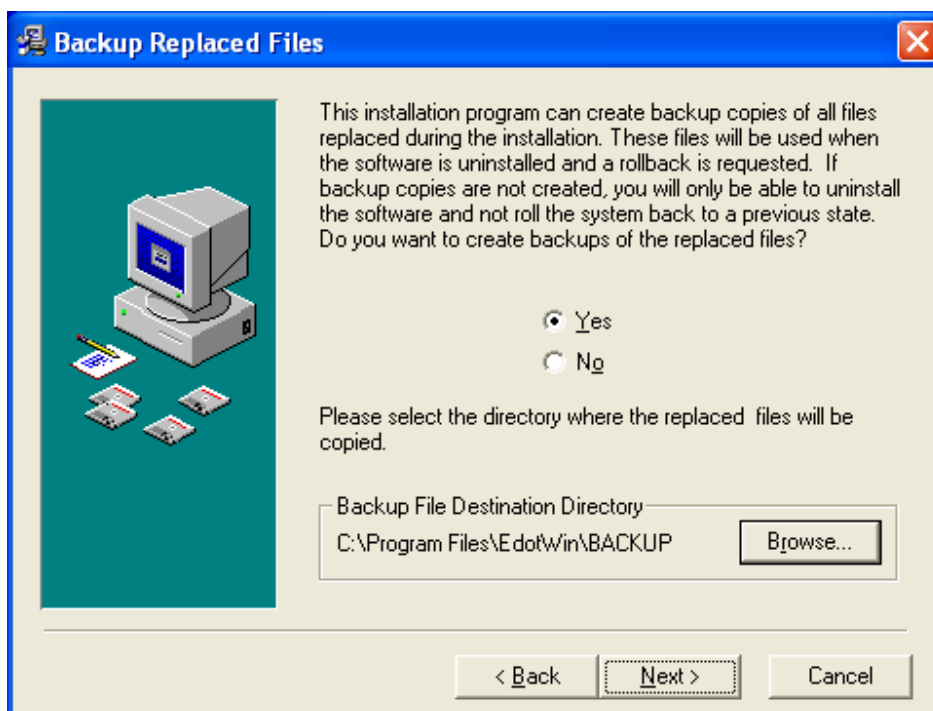
2.1.2 Read information at Welcome windows.



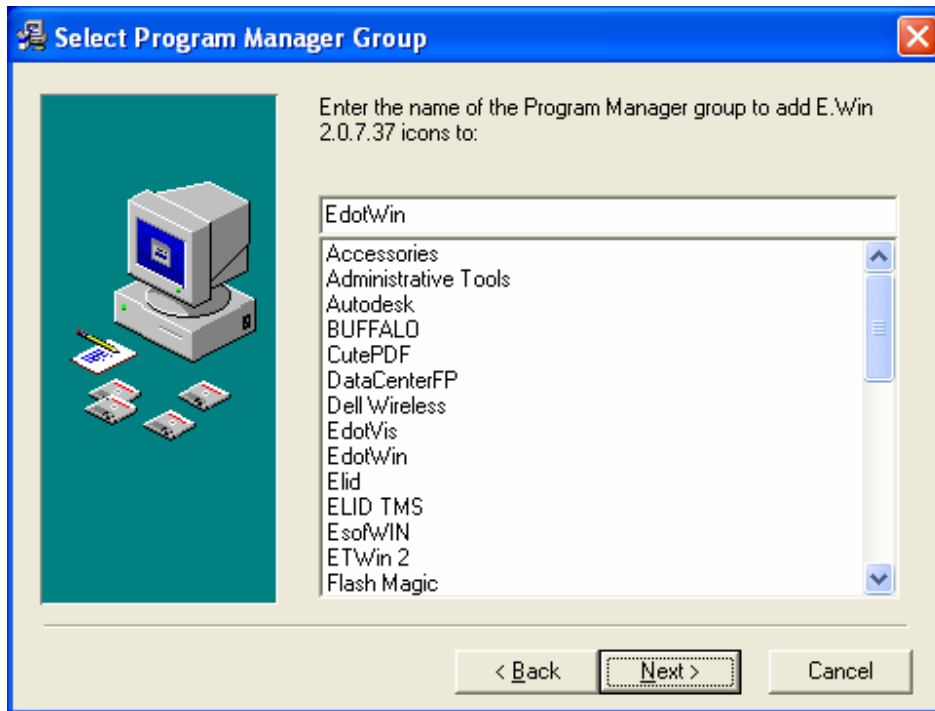
2.1.3 Select Destination Folder.



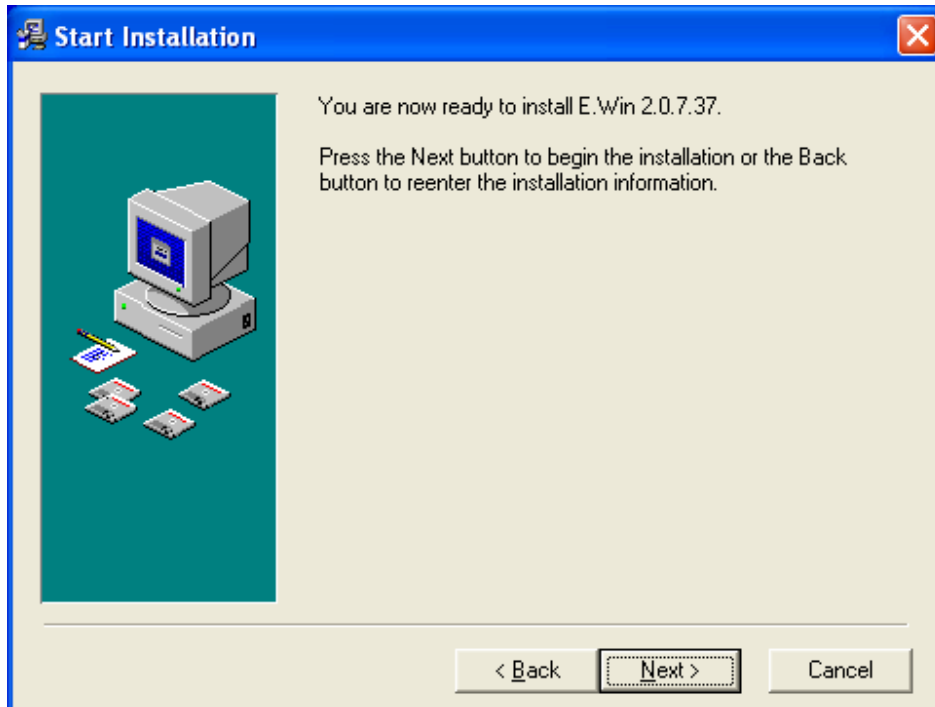
2.1.4 Select directory for backup file.

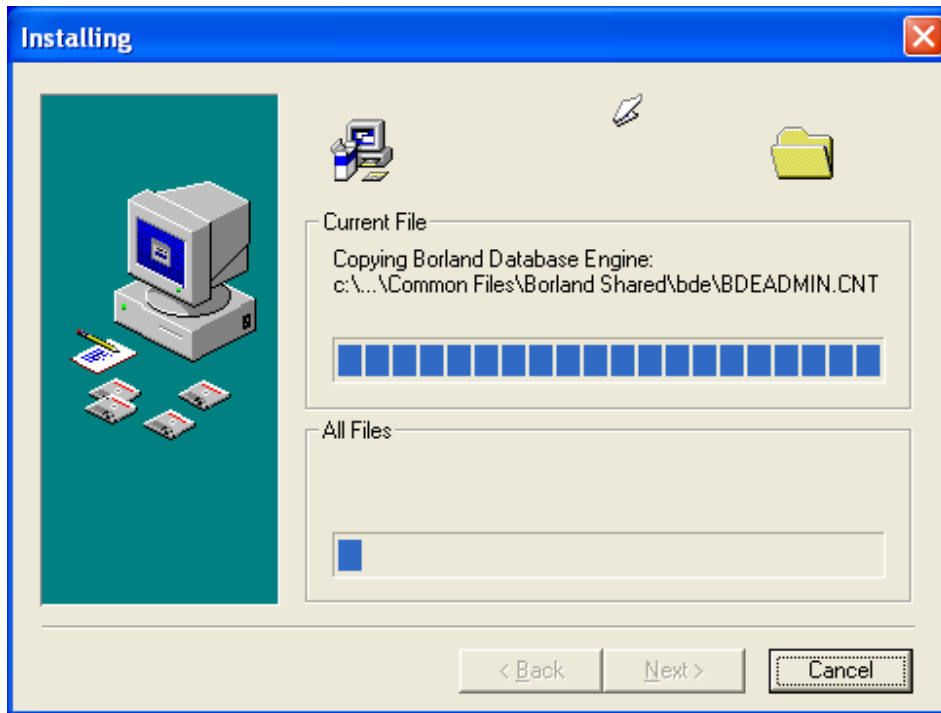


2.1.5 Enter name of Program Manager Group you want to add E.WIN.

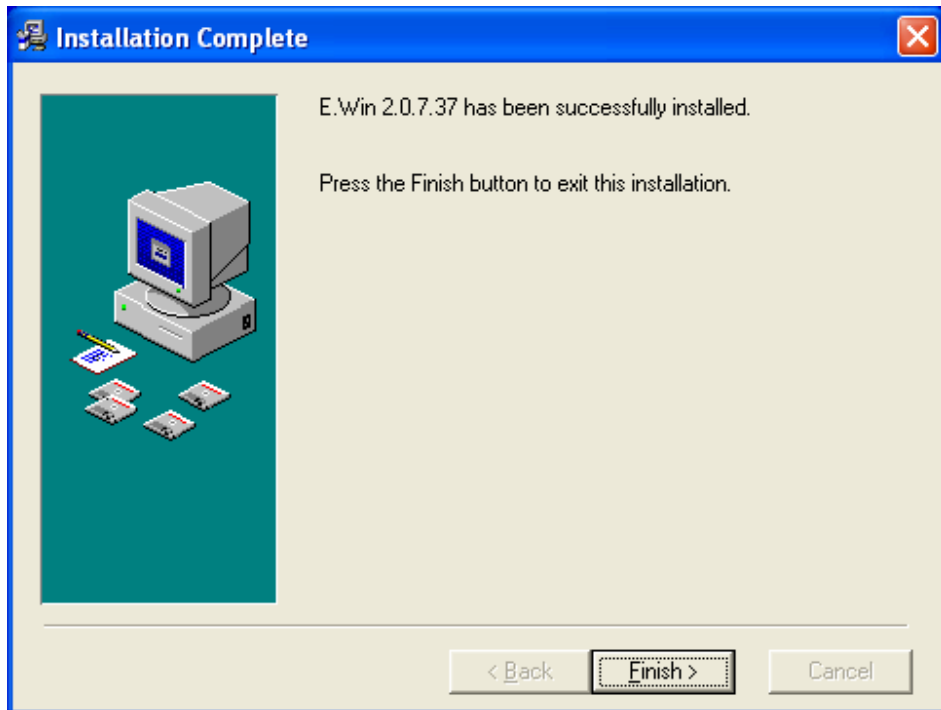


2.1.6 Start Installation. Press Enter to install the E.WIN. Wait until the installation complete.






2.1.7 After installation complete. Press 'Finish' button to exit installation setup.



2.1.8 Now the software already installed to your computer. You can launch E.WIN

software either by double click the icon  at your Desktop or from browse at windows Programs.

CHAPTER 3

3.0 SPECIFYING YOUR REQUIREMENT

Specify your access requirements on paper before begin programming using *E.WIN*.

3.1 BASIC STEP

3 basic steps to follow on paper:

1. Draw a floor plan of your establishment and the locations of doors with access door.
2. Divide the employees in the establishment into different categories.
3. Specify the time frames that each category of employee is allowed to enter each door.

Having done this, your next step will be to transfer the specifications you have drawn up into *E.Win* with the following steps, as illustrated in subsequent chapters:

Step	What to do	Where to do
Step 1	Define the readers	Designer
Step 2	Set the Timers then Time Zones.	Manager
Step 3	Set the Door Accessibility	Manager

3.2 AN EXAMPLE

Consider a small factory with 6 doors to be protected by card access as shown in Figure 3a. Let us assume that the front door and store room uses EL2200, the rest use EL1330.

Reader Number	Type of Controller	Location
FRONT-01	EL2200	Front Door
PROD-02	EL1330	Production Hall Door
TEST-03	EL1330	Testing Room Door
STORE-04	EL2200	Store Room Door
BACK-05	EL1330	Back Door
OFFIC-06	EL1330	Office Door

Figure 3a: Controller Defined

3.3 SPECIFYING TIMERS & TIME ZONES

Table 1 and Table 2 merely define the timer and time zone values.

Note : *Time Zones are basically classified under the following categories*

Office Hours	To be defined as 0830-1700 (labeled as 8T17) from Monday to Friday, and 0830-1230(8T12) on Saturday. No access is allowed on Sundays and holidays.
Long Hours	To be defined as 0700-1900(7T19) from Monday to Saturday with no access allowed on Sundays and holidays.
Extra Hours	To be defined as 0700-1900(7T19) from Monday to Saturday and 0830-1700(8T17) on Sundays and holidays.
Extra Long Hours	This is defined as 0600-2300 (6T23) on all days.
Misc. Hours	To be defined as from 0600-0730, and 1730-1900, on Tuesday and Friday (labeled as 6T717T19). This timer is created for cleaners who come to sweep the floor before and after office hours on these two days.

3.4 SPECIFYING ACCESS CATEGORIES

Table 3 summaries the different categories of staff in the factory and specifies at what time slice they are granted access to the various doors.

Note : *The staff in the factory are classified into the following categories:*

MAGR1	Owner Category. Who can enter all doors at all times.
MAGR2	Factory Manager Category, who can enter all doors on extra-long hours on all days.
PROD1	Factory Production Supervisory Staff, who can enter front door, production hall door, and back door over extra hours; and office door during office hours.
PROD2	Factory Production Staff, who can enter only front door and production hall door over long hours.
STOR	Store Keeper Category, who can enter all doors during office hours.
TEST1	Testing Engineer Category, who can enter front door, and testing door over extra hours; production hall door over long hours and office door during office hours.
TEST2	Technician in Testing Section, who can enter front door, and testing door over long hours; production hall door over office hours.
ADMN1	Administrative Officer Category, who can enter front door, and office door over long hours, and production hall door and testing door over office hours.

ADMN2	Administrative Staff, who can enter front door and office door over office hours.
CLEAN	Cleaners who are allowed in front door, office, and production hall during the hour 0700-0830 in the morning, and 1730-1900 in the afternoon.

Note:

Once you have drawn up Tables 1, 2, and 3, you have completely defined the access requirements of the establishment. We are now ready to key in the requirements specified in Tables 1, 2, and 3 into E.WIN.

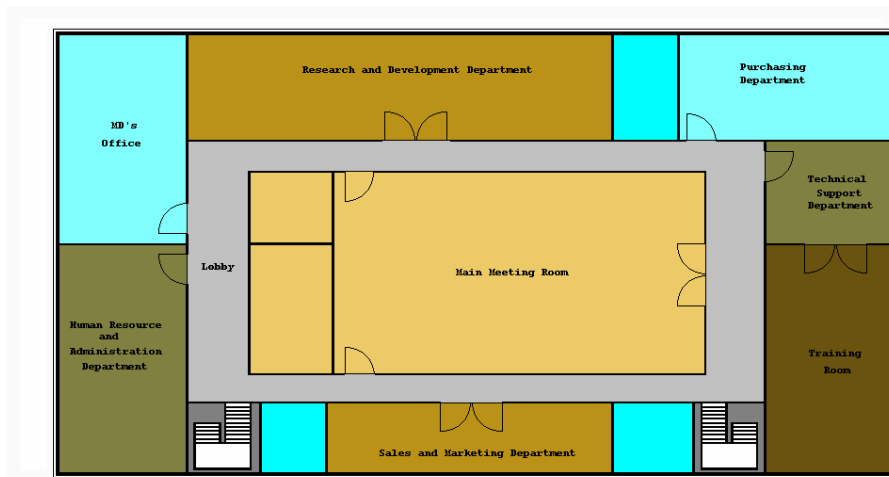


Table 1: Timer Setting

Timer	From	To	From	To
ALL	00:00	23:59	00:00	00:00
6T23	06:00	23:00	00:00	00:00
8T17	08:30	17:00	00:00	00:00
7T19	07:00	19:00	00:00	00:00
8T12	08:30	12:30	00:00	00:00
7T8-5T7	07:00	08:30	17:30	19:00

Table 2: Access Control Setting

TIME ZONE	SUN	MON	TUE	WED	THU	FRI	SAT	HOL
FREE	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL
EXT-LONG	6T23	6T23	6T23	6T23	6T23	6T23	6T23	6T23
EXTRA	8T17	7T19	7T19	7T19	7T19	7T19	7T19	8T17
LONG	NO	7T19	7T19	7T19	7T19	7T19	7T19	NO
OFFICE	NO	8T17	8T17	8T17	8T17	8T17	8T12	NO
MISC	NO	NO	7T8-5T7	NO	NO	7T8-5T7	NO	NO

Table 3: Door Accessibility (Access Level) Setting

ACCESS LEVEL	BACK05	FRONT-01	OFFIC06	PROD02	STORE04	TEST-03
MAGR1	FREE ACC	FREE ACC	FREE ACC	FREE ACC	FREE ACC	FREE ACC
MAGR2	EXTLONG	EXTLONG	EXTLONG	EXTLONG	EXTLONG	EXTLONG
PROD1	EXTRA	EXTR A	OFFICE	EXTRA	NO ACC	OFFICE
PROD2	NO ACC	LONG	NO ACC	LONG	NO ACC	NO ACC
STOR	OFFIC E	OFFIC E	OFFICE	OFFICE	OFFICE	OFFICE
TEST1	NO ACC	EXTR A	OFFICE	LONG	NO ACC	EXTRA
TEST2	NO ACC	LONG	NO ACC	OFFICE	NO ACC	LONG
ADMIN1	NO ACC	LONG	LONG	OFFICE	NO ACC	OFFICE
ADMIN2	NO ACC	OFFIC E	OFFICE	NO ACC	NO ACC	NO ACC
CLEAN	NO ACC	MISC	MISC	MISC	NO ACC	NO ACC

Follow through the settings and commands of **E.WIN** described in Chapter 6 to Chapter 16 in sequence in which they are arranged. Try not to skip. This is because a number of settings are inter-linked, and you may not be able to set a particular command without first setting another related command.

CHAPTER 4

4.0 E.WIN DESIGNER

It is recommended that only the installer or authorized personnel be allowed to run this program for the systems configuration.

This program handles 36 formats of graphical file; among them are BMP, TIF, GIF, JPEG, etc. Therefore, you may use any painting software (e.g. Paintbrush) to create the site plan. Each site plan can be configured with 20 devices.

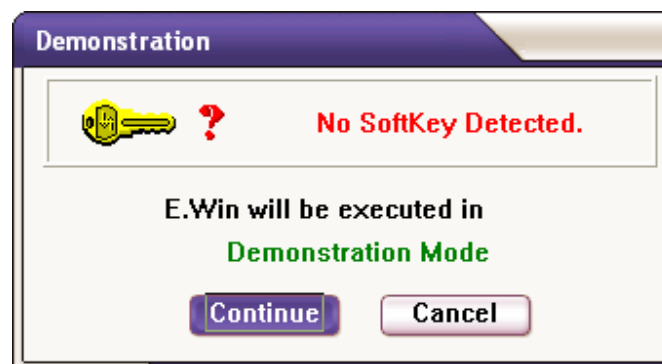
4.1 STARTUP THE E.WIN DESIGNER

Once run the E.Win Designer, the software will carry out a software key verification.

If you are using E.WIN/0 which support 4 doors only without softkey, then you may need to enable the limited edition under [option] in C:\Program Files\EdotWIN\Edotwin.ini, edit command line, LimitedEdition=1.

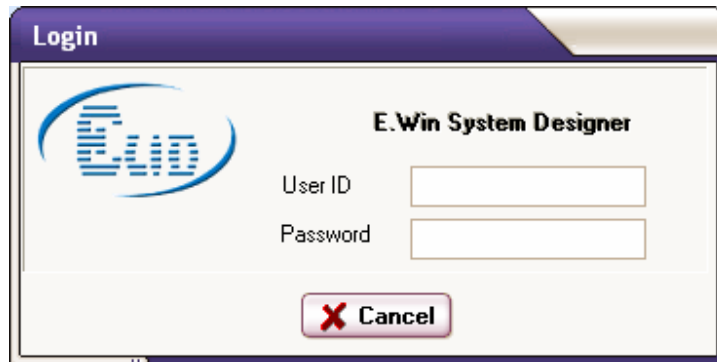


If PC fails to establish a dialogue with EL7X Communicator or fails to detect key, the following message will be prompted:



E.Win will be executed in Demo mode when click 'Continue' button.

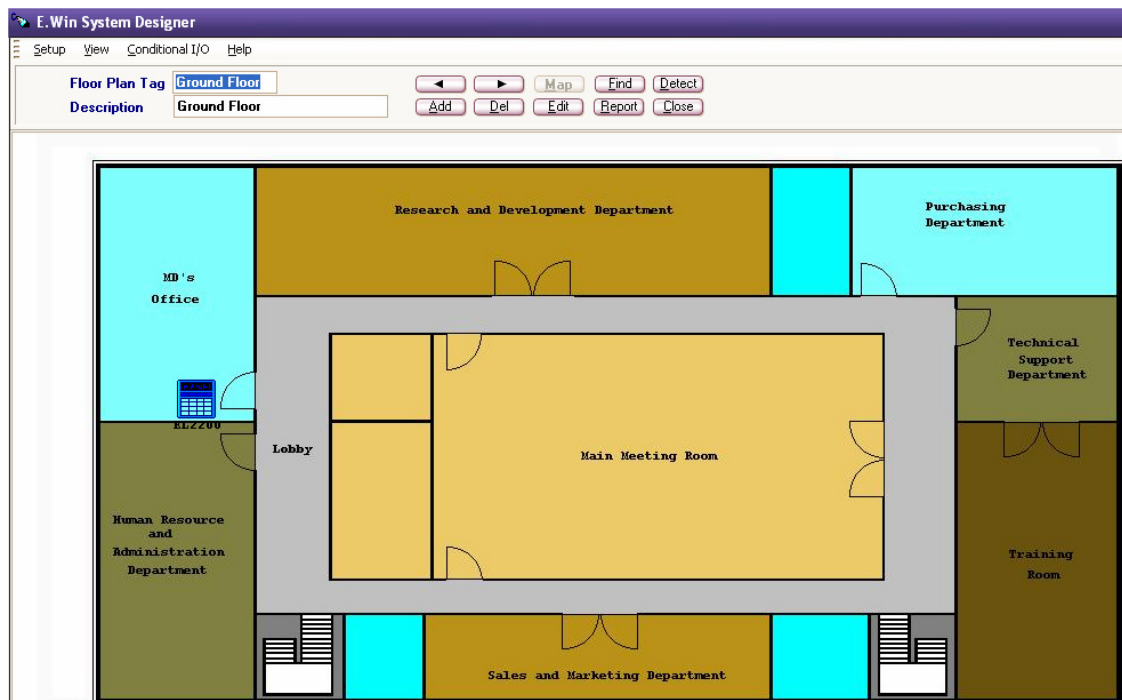
Once key detected, following message will be prompted:



For logging on, the default User ID and password is **ELID**. You may change the password using E.Win **Access Manager**.

4.2 DESIGNER SCREEN COMPONENT

There are Command Buttons and Tool Bar on the screen. A major portion of the screen is reserved for the displaying of site plan and to allow a user placing devices on it.



4.2.1 Menu Bar

Menu Bar consists of 3 command items: **Setup, View, Conditional I/O and Help**

4.2.1.1 Setup Command

Operation	Description
Area	To define Area definition/description
Location	To define Location definition/description
New Controller	To add Controllers
New Sensor	To add Sensor point
New Output	To add Output point

4.2.1.2 View Command

Operation	Description
Controller	To view all Controller information
Sensor	To view all Sensor point information
Output	To view all Output information

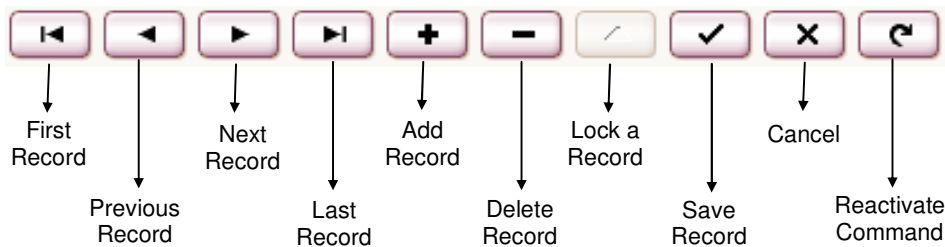
4.2.1.3 Conditional I/O

Click on the Conditional I/O from the Menu Bar, the following Form appears.

I. Editing Column

This section is used for the controls of Conditional I/O, where *Code* column is a 3-character user-definable field, while *Description* is a 30-character field for the naming of the condition.

The following command bar consists of commands for the editing of Conditional I/O table:



II. Conditional Column

The Conditional column lists conditions as well as the delay time required before triggering an Action.

III. Action Column

The Action column lists the Actions that are to be triggered by particular device(s) when specified conditions are met.

4.2.1.4 Help

Operation	Description
Content	To view Help file
About	To view E.Win system information

4.2.2 Editing Buttons



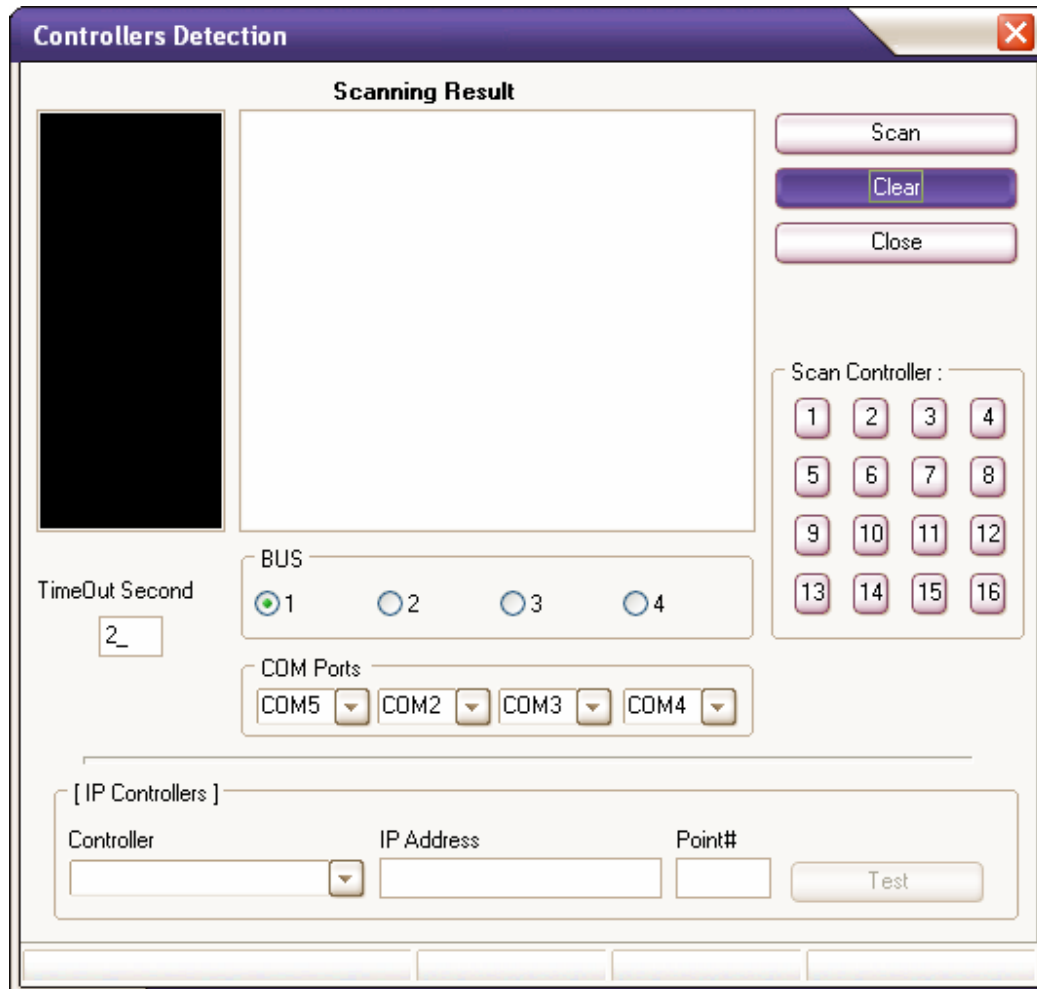
The Editing Buttons are used for creating new site plans (maps) and modifying existing site plans.

Site plans are graphic files created by any Windows painting software (e.g. Paintbrush, etc.). **Designer** supports up to 36 graphic file formats among them are BMP, TIF, GIF, JPEG and etc.

BUTTON	NAME	DESCRIPTION
	PREVIOUS	To display the previous map
	NEXT	To display the next map.
	MAP	To retrieve the map file that you have created / scanned.
	FIND	To allow easy search, for particular floor plan by tag name, along with a listing records.
	DETECT	To detect Controller
	ADD	To load a new map into E.WIN for use.
	DELETE	To delete a site plan (map) displayed on the screen.
	EDIT	Modification of information of a selected map (or site plan), such as editing, deleting, adding or moving position of devices.
	REPORT	A report sheet that lists devices used in each site plan will be shown.
	CLOSE	This is to terminate the E.Win software. The default User ID and Password is ELID, press "ENTER" to execute exit command. "Cancel" is to resume back to the software.

Detect Controller

From this function, you can check the connectivity of the controller to software. Click 'Detect' button, you will see the following screen:

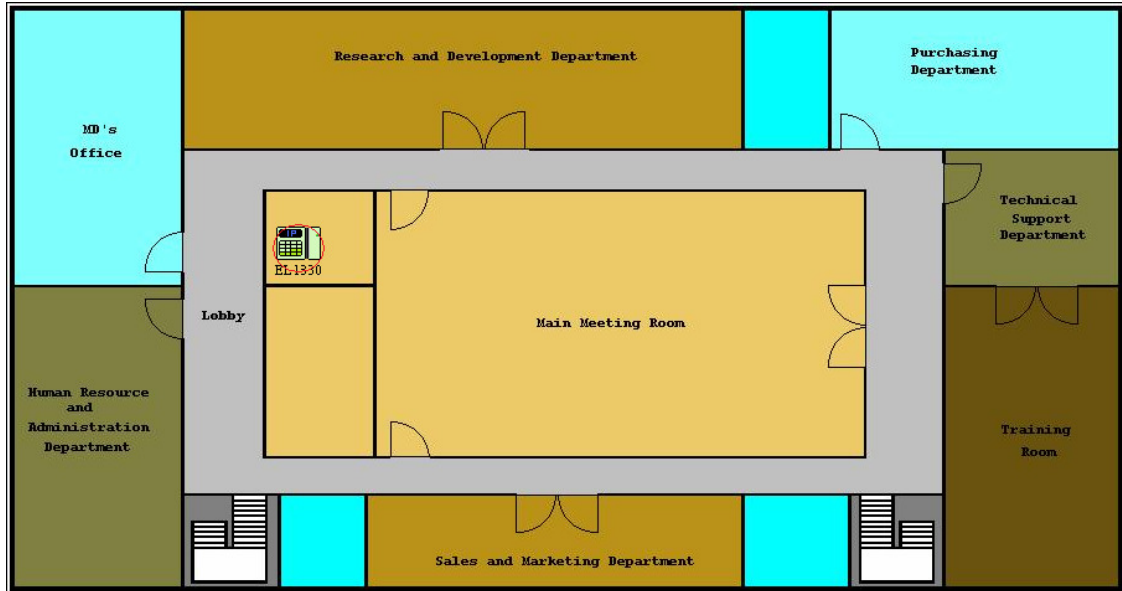


1. If your controller is using serial communication, then you may select controller from which bus to detect, and set the com port for each bus. Click scan button to scan 16 controllers from the bus or you can click the individual number to scan particular controller only..
2. If your controller is using TCP/IP communication, then you need to select the controller to be detected from the controller drop down list and click test button to detect controller.

If the controller successfully connected to software, the 'scanning result' screen will reply with controller version number.

4.2.3 Site / Floor Plane

This large area allows user to insert devices relative to a particular site plan.

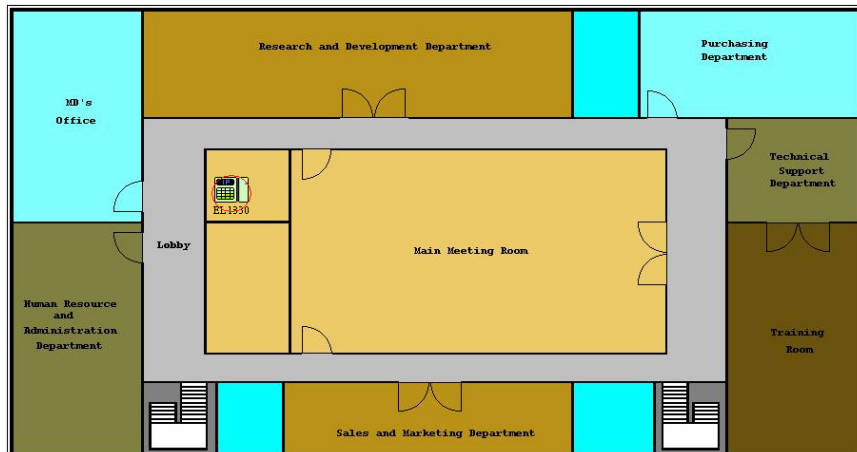


4.2.4 Bottom Bar



4.3 CREATING A SITE PLAN

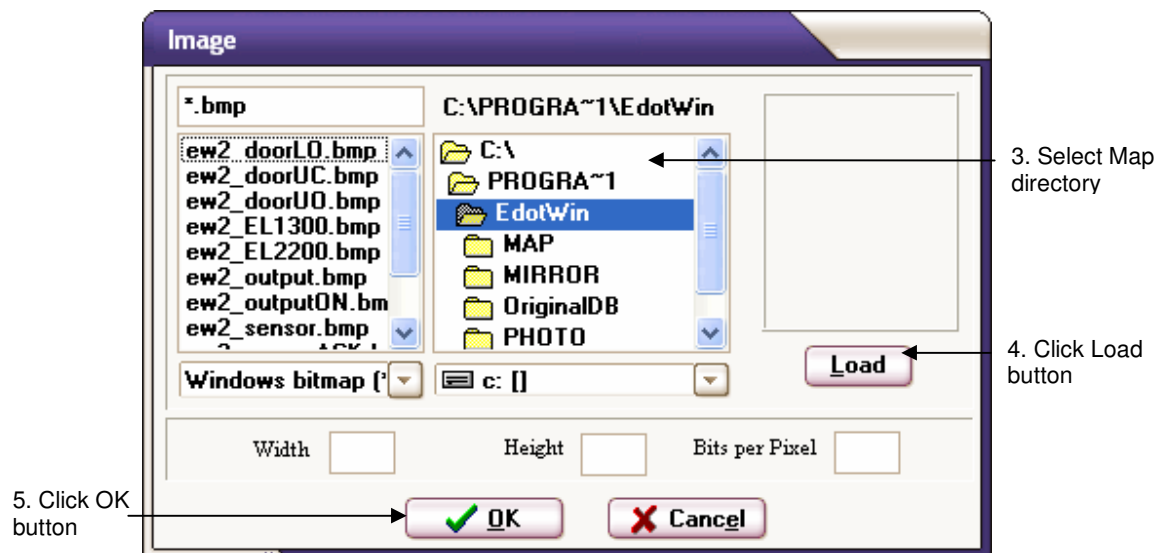
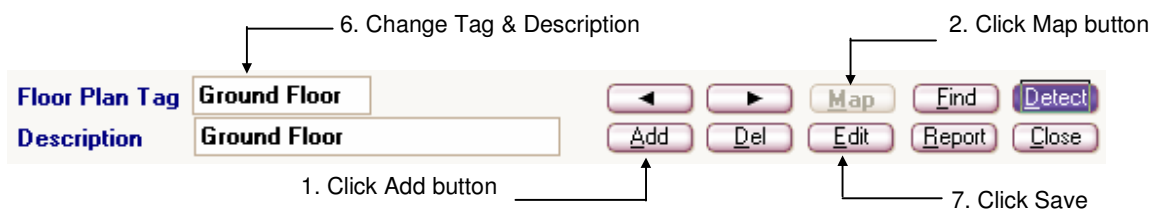
Your first task is to create or scan in a new site plan (map), using any Windows painting/scanning software. Standard plan size (image-attribute) fitted for the window frame of **E.WIN** is (in pixels) 640(W) for width and 315(H) for height. An example of a site plan:



Operation	What To Do
-----------	------------

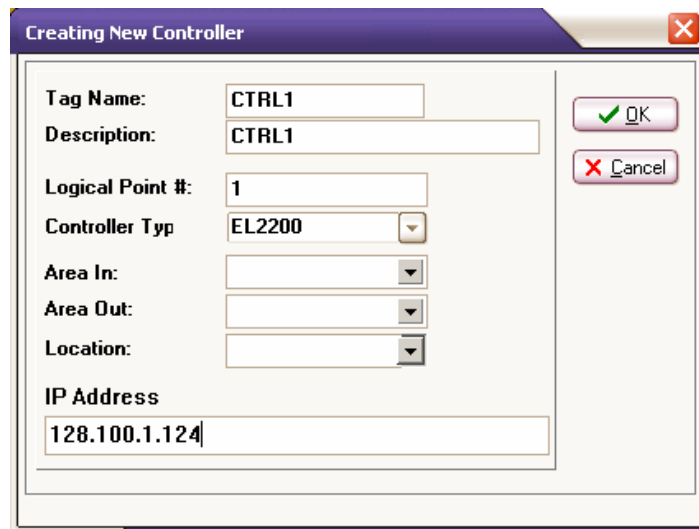
Creating Site Plan

- Step 1 Click "Add" button, blank screen appears.
- Step 2 Click "Map" button, **Image** pop-up screen will come out
- Step 3 Call out the directory and choose your required file
- Step 4 Click "Load" button
- Step 5 Click "OK"
- Step 6 At the E.Win System Designer screen, change **Floor Plan Tag** and **Description**.
- Step 7 Click "Save"



4.4 NEW POINT / CONTROLLER

New Point allows you to create new points of controller, sensor point and output point. To define a controller, click on the Setup >New Controller OR Right Click > New Controller. This form would appear:



The screenshot shows a dialog box titled "Creating New Controller". It contains several input fields and two buttons. The fields are: Tag Name (CTRL1), Description (CTRL1), Logical Point # (1), Controller Typ (EL2200), Area In, Area Out, Location, and IP Address (128.100.1.124). The OK and Cancel buttons are on the right side of the dialog.

Operation	What to do
Creating New Controller	
Tag Name	Choose controller name such as CTRL1
Description	Key in controller description such as Front Door
Logical Point	Physical point of the controller e.g 1, 2, 3 etc
Controller Type	Select controller type e.g EL1300, EL2200
Area In	Relative to particular area you want to access e.g Meeting Room
Area Out	Relative to particular area you want to exit e.g Finance Room
IP Address	IP address of the controller if using TCP/IP controller eg 128.100.30.15
OK Button	Click Ok to save your configuration and exit
Cancel	Click this button to cancel add new controller





You will find a **EL2200** (Reader Point) at the top left most corner of the screen. Use the mouse to click on this Point and drag it anywhere within the site plan (map) as you intend it to be. After placing the reader in the desired location (which would be the front door), you may proceed with defining second reader. Repeat clicking on *New Point* button for each door point definition as described, base on the information as planned for instance, in Chapter 3.

The system supportable Car Parking Controller includes FC1200 and FC3000 while Lift Access Controllers are EL2205L and EL2205L6.

Similar pattern of definition is applied to Sensor point and Output point. Click on the *Sensor* button and for the Form as shown

Field	Value
Tag Name	SENSOR1
Description	SENSOR1
Logical Point #	1
Attach to Controller	Yes
Controller Name	CTRL001
Sensor Point #	1
Operating Mode	Alarm
On text	ON
Off Text	OFF

Over here you are required to define *Attach To Controller* which tells the system if this particular sensor is attach to any controller. If 'YES' then define the reader name or else leave both this section blank. The *Operating Mode* could either be 'Alarm' or 'Status'. *On Text* will displays whatever you have keyed in, on the Status Bar. *Off Text* will not display it on the screen.

The Point that is displayed for the SENSOR is icon  and the Point that is displayed for the OUTPUT is icon . Just click on the icon and drag it to the appropriate location on the site plan.

Note :

An alarm point will trigger the buzzer when it is activated, contrast to a status point that is used to log the status of input devices.

4.5 DEFINE AREA

When you have finished creating all the controllers, you may now define Areas. Go to Setup > Area. A Form as shown will be displayed to allow you to define areas applicable to your site. Note that the Area Codes will be arranged in alphabetical order.

Name	Description
HR	Human Resource Dept.
LOBBY	Lobby
M'D OFFICE	Managing Director Office
MAIN	Main Meeting Room
PURCH	Purchasing Department

	It is to add new records.
	It is to delete a particular record.
	It is to allow modification on the description portion of defined Area code.
	It is for printing out the Area records.
	It is for exiting the Area Code Definition Form.

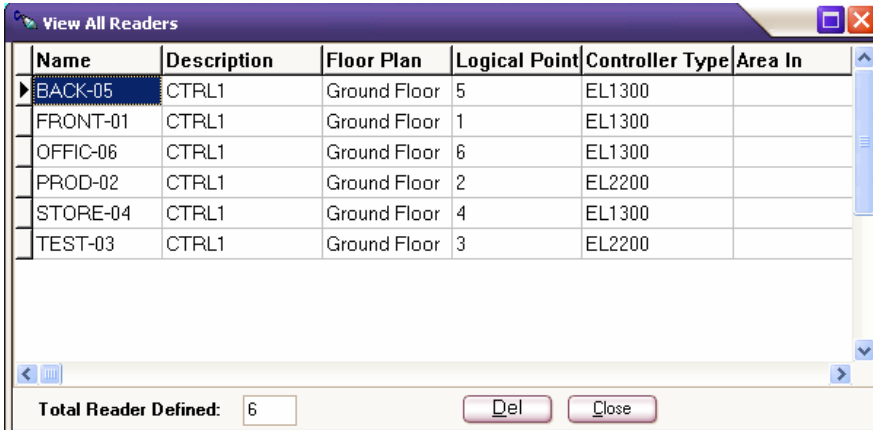
4.6 DEFINE LOCATION

Go to Setup > Location to define the location. This command lists down all the Location codes being used in the site plan and its description. Note that the Location Codes are arranged according to alphabetical order.

Tag_Name	Description
BACKD	BACK DOOR
FRONTD	FRONT DOOR
OFFICD	OFFICE DOOR
PRHALLD	PRODUCTION HALL DOOR
STORED	STORE ROOM DOOR
TESTRD	TESTING ROOM DOOR

4.7 VIEW CONTROLLER / SENSOR / OUTPUT

View Reader command allows you to view all the controllers that you have created in the system. You can browse through the screen to view various information regarding the controllers. Information includes Name, Description, Floor Plan, Logical Point, Controller Type, Area In, Area Out and Location and other setting to the controller.



The screenshot shows a window titled "View All Readers" with a table of controller information. The table has columns for Name, Description, Floor Plan, Logical Point, Controller Type, and Area In. The data is as follows:

Name	Description	Floor Plan	Logical Point	Controller Type	Area In
BACK-05	CTRL1	Ground Floor	5	EL1300	
FRONT-01	CTRL1	Ground Floor	1	EL1300	
OFFIC-06	CTRL1	Ground Floor	6	EL1300	
PROD-02	CTRL1	Ground Floor	2	EL2200	
STORE-04	CTRL1	Ground Floor	4	EL1300	
TEST-03	CTRL1	Ground Floor	3	EL2200	

At the bottom of the window, there is a status bar that reads "Total Reader Defined: 6" and two buttons labeled "Del" and "Close".

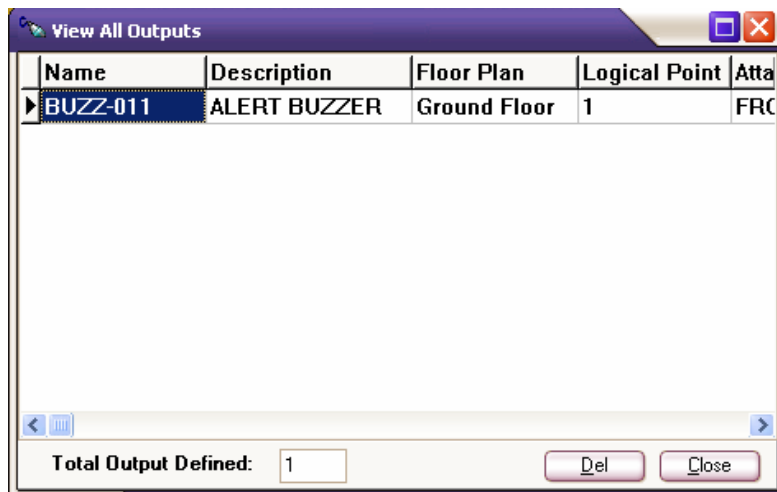
The same concept implies for *View Sensor* and *View Output*. Click on the particular command and the appropriate screen is displayed. Both of these screens will display the Name, Description, Floor Plan, Logical Point, Controller Type, Area In, Area Out and location of the devices and other related information of the sensor or output.



The screenshot shows a window titled "View All Sensors" with a table of sensor information. The table has columns for Name, Description, Floor_Plan, Logical_Point, and Atta. The data is as follows:

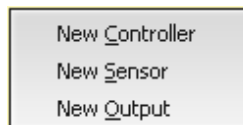
Name	Description	Floor_Plan	Logical_Point	Atta
ROLL-051	Roller Shutter Sens	Ground Floor	1	BAC

At the bottom of the window, there is a status bar that reads "Total Sensor Defined: 1" and two buttons labeled "Del" and "Close".



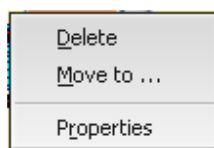
4.8 RIGHT-MOUSE CLICKS

Alternatively, you can use right mouse click to bring out two additional menus. Right-mouse click on the map shall bring up the following menu:



Select NEW CONTROLLER to add a new controller to the current map. Select NEW SENSOR to add a new sensor to the current map. Select NEW OUTPUT to add a new output point to the current map.

Right-mouse click on the device icon itself to show:



Choose DELETE option to delete the selected device. Choose MOVE TO option to move the device to other map. Click on PROPERTIES to edit the details of the device.

CHAPTER 5

5.0 HOW CONDITIONAL I/O WORKS

Events from field devices can be used as conditions for activating and deactivating any devices attached to the system.

Conditional I/O command allows you to create entries to the Conditional I/O Table. Each condition is based on (IF... THEN... ACTION) format. Unlimited numbers of condition can be created.

The condition I/O processing is based on multiple events base on “Many To Many” relation that can be used to trigger a number of actions. For example, if any one of the conditions is triggered then all relative actions will take place.

There are 3 basic steps:

1. Draw a floor plan of your establishment and the locations of doors with access control
2. Specify the reader controller, sensor points and output points in the floor plan.
3. Define the conditions and actions in the Conditional I/O table.

This manual provides you two scenarios where you need to create a Conditional I/O to activate and deactivate the devices. It is first necessary to specify the output points systematically. An example is shown below.

5.1 EXAMPLE 1

Two main lights in the Manager’s room are intended to be controlled by a Valid Entry or a Valid Exit of controller CTRL1 located at an office room. The lights will automatically be switched on when there is a valid entry and be switched off when there is a valid exit.

We assume light 1 is connected to Output 1 of CTRL1 and light 2 is connected to Output 2 of CTRL1.

First step is open your E.Win Designer and click at the Conditional I/O menu. Window as shown will come out at your screen.

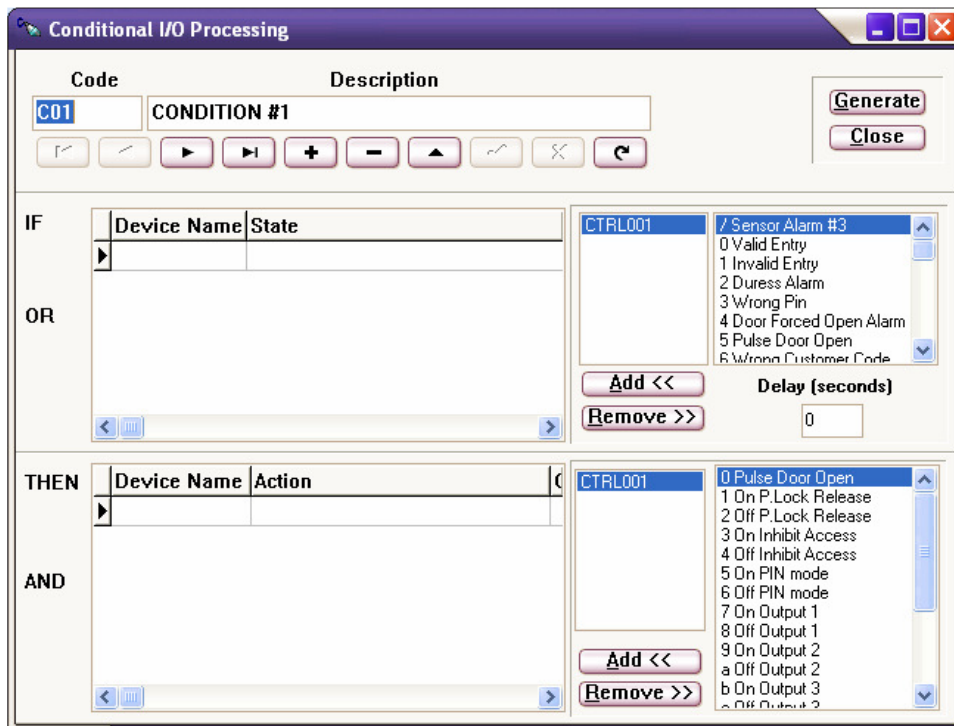



Figure 5a

To apply this in the Conditional I/O, the following steps are to be taken:

Operation	What to do
Conditioning I/O Process	
Add Record	To add a record, you need to click on "Add" icon from the Editing Column. A text pointer will automatically be at the Code column. Key in the code as '01', and its description as 'TRANS-01'.
Define Controller and Condition	Next move your mouse cursor to the right hand table to select 'CTRL1' and 'VALID ENTRY(U)' by mouse click. Then click on the  button found in the Conditional column. You will notice that your chosen Device Name and State will appear on the left side of the Conditional Column. You have finished setting one condition.
Define output and Action	Now you are required to define the Actions. Move the mouse to 'CTRL1' and 'ON OUTPUT 1' follow by button in the Action column. Device Name and Action will appear on the left side of the screen. Repeat the same procedure to insert the second Action that is THEN 'CTRL1' and 'ON OUTPUT 2'. You have completed the Valid Entry Condition.
When done, your screen should look like Figure 5b	

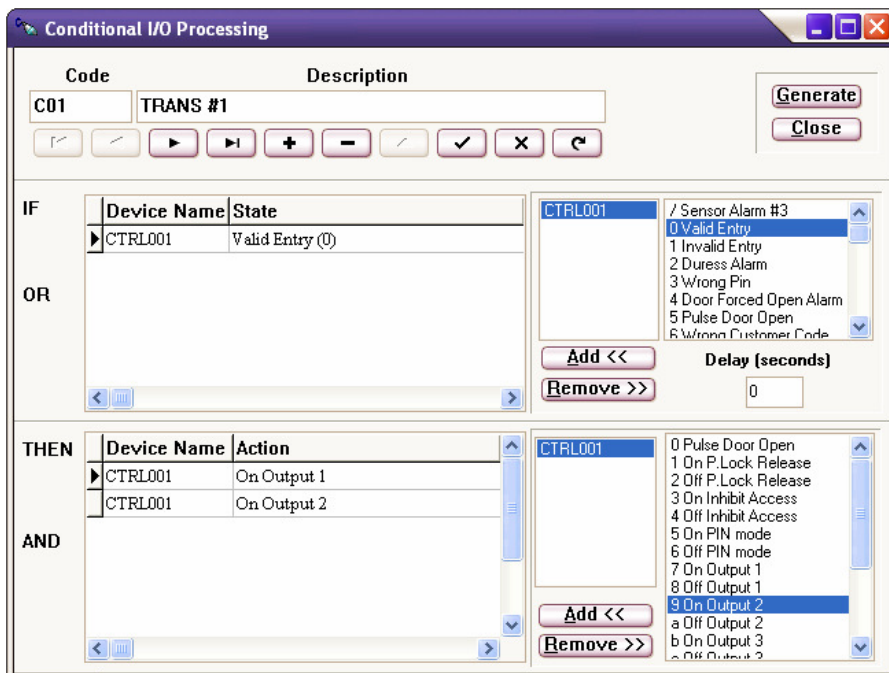


Figure 5b

You can repeat the same procedure to create the condition for Valid Exit from the Manager's room. This time the Action should be identified with 'ON OUTPUT 1' and 'ON OUTPUT 2'.

Upon completion, your screen should look as below. However, remember to key in the delay time in the "Delay" box provided. This is to inform the system to delay for 10 seconds before triggering the action when the condition is activated.

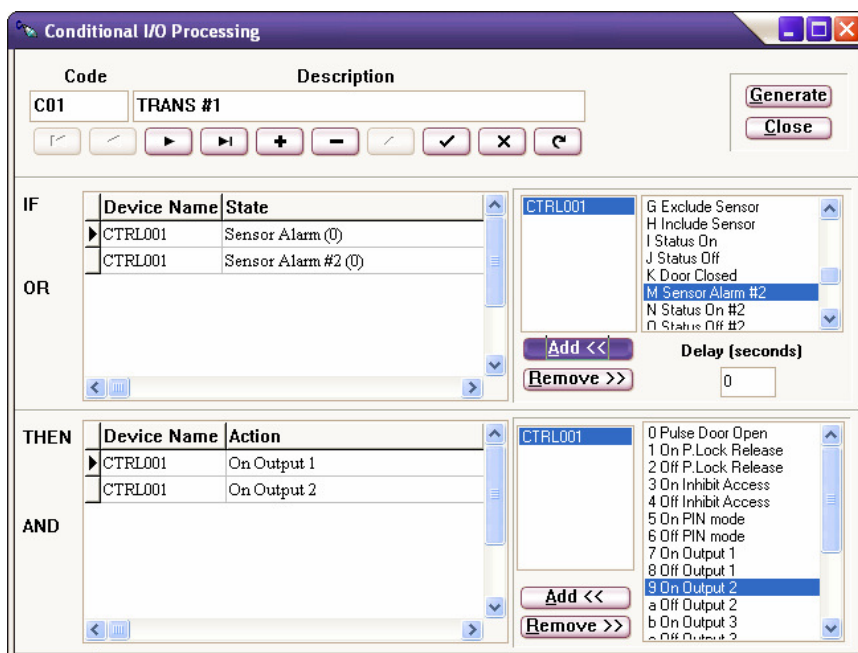
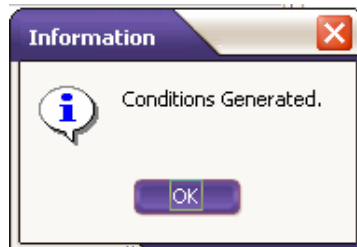


Figure 5c

In the above example, whenever the manager badges/swipes his card at the IN reader to enter his office, lights will be turned on automatically. Similarly, when he badges/swipes OUT to leave.

Click on the **Generate** button found at the top right corner of the screen to generate all the conditions that you have created. A message as shown below will be prompted on the screen indicating that the process has been successfully carried out.



5.2 EXAMPLE 2

The Reader FRONT-01 installed in the front door is connected to two alarm sensors. The first sensor is a smoke detector and the second sensor is a break glass fire alarm. If either Sensor 1 or Sensor 2 is activated then all controllers should unlock doors permanently.

Operation	What to do
Add Record	To add a record, click on + icon from the Editing Column. The cursor will automatically point at the Code column. Key in the Code as '03' and its description as 'TRANS-03'.
Define Controller and Condition	Next, move the mouse cursor to the right side of the (IF) Conditional table and click on 'FRONT-01' and 'SENSOR ALARM(0)' for selection. Click on the Add << found in the Conditional table.
Define output and Action	To insert the second condition, click on 'FRONT-01' and 'SENSOR ALARM #2(0)'. Then add again. All added conditions will appear on the left side of the screen To define the Actions. Move the mouse to the right 'ON P.LOCK RELEASE' follows by the Add << button. Repeat the same procedure to add 'ON P.LOCK RELEASE' for the 'FRONT-05', 'OFFIC-06', 'PROD-02', 'STORE-04' and 'TEST-03' Upon completion, your form should look as of figure 5d

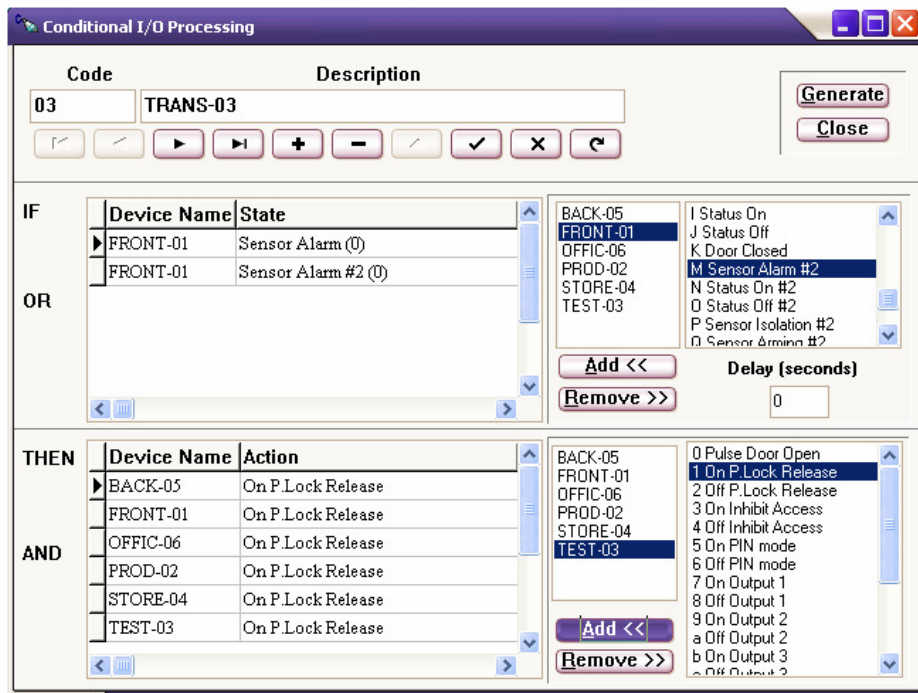


Figure 5d

In this scenario, whenever either sensor 1 or sensor 2 is activated, all doors will be in Permanent Lock Release Mode.

Now, you have finished designing your site plan, inserting devices in their appropriate places and laying out all the Condition and Action. Your next step is to begin the *E.WIN Access Control Manager* setting.

CHAPTER 6

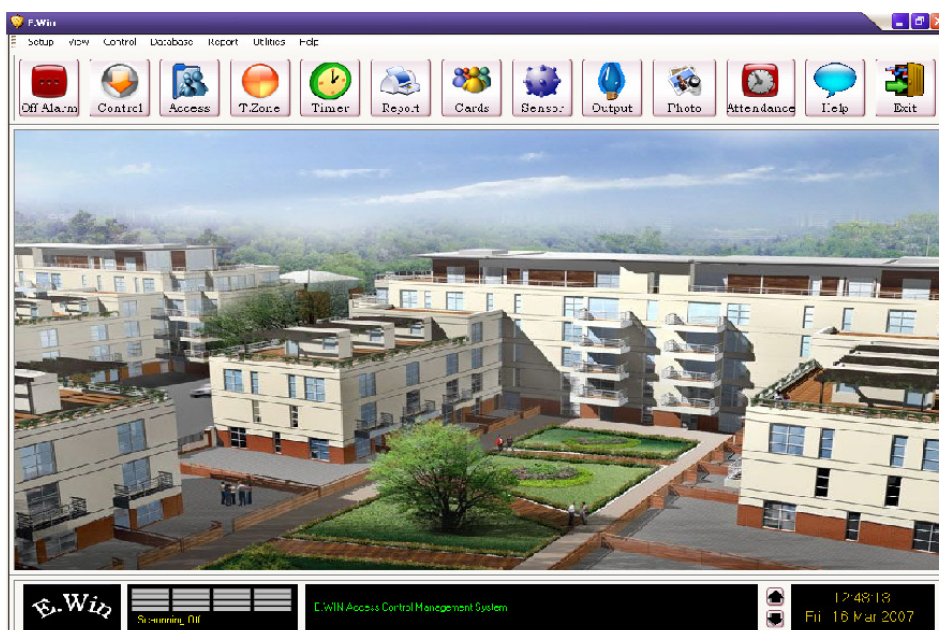
6.1 STARTING E.WIN MANGER



Double click the icon at your desktop to run the **E.WIN** Manager. Once the **E.WIN** Manager launched, the software will try to detect **Softkey**. Enter 'Elid' for both user ID and password when prompted.

6.2 E.WIN MANAGER MAIN SCREEN

The main screen of the E.WIN would look like the following:

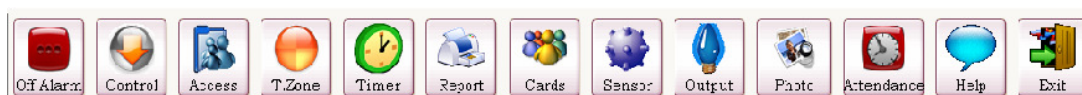


6.2.1 Top Bar














The top bar at the Main screen contains all command operation in E.WIN. Click at the menu function to browse the details menu.



However you can simply click on the "speed button" bar to make the selected command running.

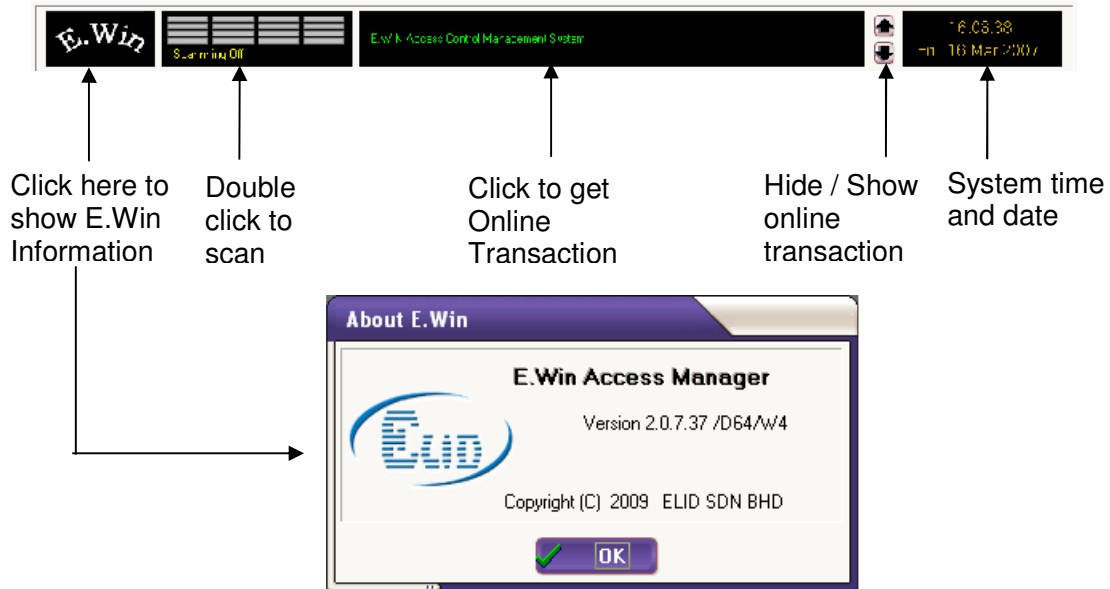


The details information about this button is listed here:

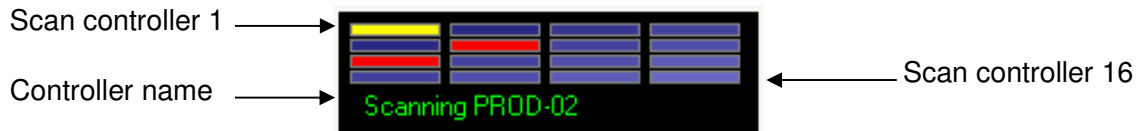
BUTTON	DESCRIPTIONS
 <p>Off Alarm</p>	Acknowledge Alarm – to acknowledge the hearing of the alarm and silent off the alarm (this alarm is the alarm sound of the PC)
 <p>Control</p>	To enter controller Control menu
 <p>Access</p>	This would lead you to Accessibility screen
 <p>T.Zone</p>	This would lead you to system to system time zones screen
 <p>Timer</p>	This would lead you to system to system timer screen
 <p>Report</p>	This would lead you to Report screen
 <p>Cards</p>	To show cards database
 <p>Sensor</p>	To set sensor point
 <p>Output</p>	To set output point
 <p>Photo</p>	To show latest photo of the latest cars swiped
 <p>Attendance</p>	To open TMS Module
 <p>Help</p>	The on-line help, license info and software information
 <p>Exit</p>	To exit E.Win

6.2.2 Bottom Bar

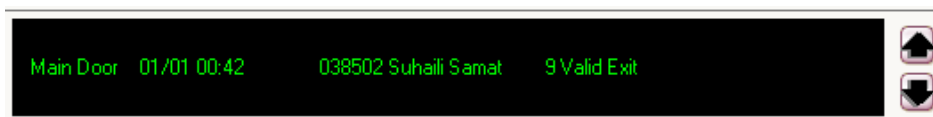
You can find this bar at the bottom of the E.Win Manager screen.



To scan controller double click at this window/screen. Each bar represents the controller unit number (unit 1 to unit 16). Figure below show E.Win detects Main Door which defined as unit number no. 1.



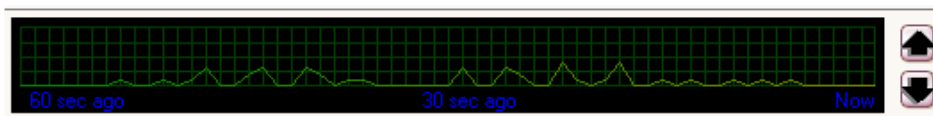
Online transaction will display at the screen as below. The information you can see is controller name, date, time, card number, staff name and access status. You can switch this screen to historical graph by using up/down button.



Online Transaction – Valid Access



Online Transaction – Invalid Access

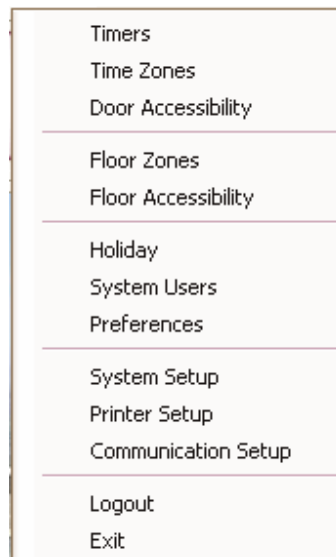


Historical Graph

6.3 E.WIN MANAGER MAIN MENU

6.3.1 Setup Menu

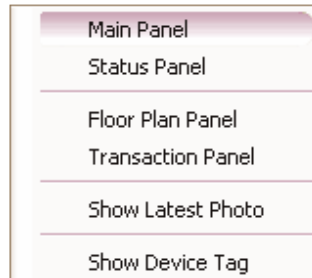
To choose the Setup Menu, you click at the Setup Menu at the top Bar of the screen. Then you would get to see the list inside the Setup Menu.



Menu	Description
Timers	Time range in daily format
Time Zone	Time range in weekly format
Door Accessibility	This menu use to define which door and the time frame relevant to a Cardholder
Floor Zone	Set the floor range for the card holder
Floor Accessibility	This menu use to define which floor and the time frame relevant to a card holder
Holidays	Setting holiday date
System User	Set system user data
Preferences	To make change to the online scanning, status bar message and latest photo display.
System Setup	Security code for LAN encryption. Only applicable for controller that using LAN communication and support encryption mode.
Printer Setup	Set printer to printing report
Communication Setup	Communication setup for all controllers
Logout	Exit E.WIN software
Exit	Exit E.WIN software.

6.3.2 View Menu

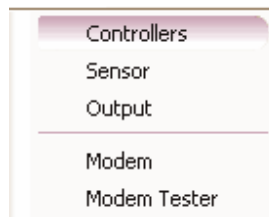
This menu allowed you to change some view at the main screen. Once you click at View menu this following list would be displayed:



Menu	Description
Main Panel	To hide/displays main panel
Status Panel	To hide/displays status panel
Floor Plan Panel	To hide/display floor plan panel
Transaction Panel	To hide/display transaction panel
Show Latest Photo	To hide/displays latest photo
Show Device Tag	To hide/display device tag name below the controller icon

6.3.3 Control Menu

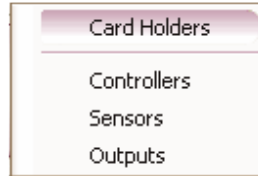
This menu allowed you to send parameter to input/output point and controller. Once you click at Control menu this following list would be displayed:



Menu	Description
Controllers	Send command to controllers
Sensor	Set sensor point
Output	Set output point
Modem	Setup modem connection (Optional Module)
Modem Tester	To test modem comm. port or connection (Optional Module)

6.3.4 Database Menu

This menu allowed you to setup the database. Once you click at Control menu this following list would be displayed:



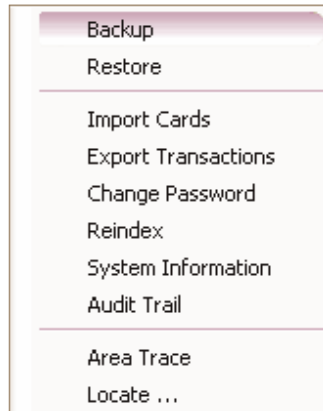
Menu	Descriptions
Card Holder	To access/modified card holder database
Controllers	To access/modified controllers database
Sensors	To access/modified sensor database
Outputs	To access/modified outputs database

6.3.5 Report Menu

This menu allowed you to access all report the system. Once you click at Report menu this following screen would be displayed:

6.3.6 Utilities Menu

This menu contains all the utilities function inside the E.Win software. Once you click at Utilities menu this following list would be displayed:



Menu	Description
Backup	To backup database files
Restore	To restore all database files
Export Transactions	To export transaction files to text format or excel format
Import Cards	To import cards in text format
Change Password	To change system user password
Reindex	To re-index selected files
System Information	Shows current system information
Audit Trail	To audit user trail
Area Trace	To trace total staff inside specific area
Locate	To locate controllers, sensor and output

6.3.7 Help Menu

This menu allowed you to get information and guide for E.WIN software and license information.

Once you click at Help menu this following list would be displayed:

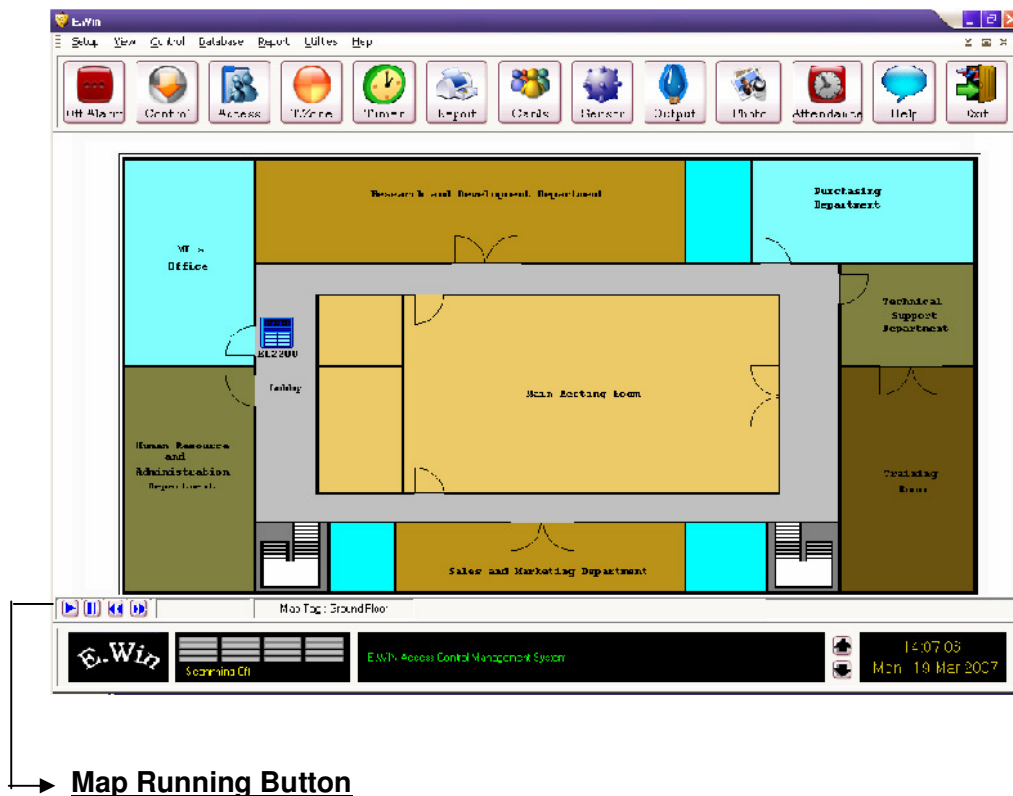






6.4 FLOOR PLAN SCREEN

To choose a floor plan screen, select command View>Floor Plan Panel. To return back to the Main Screen click at the same submenu once again.

6.4.1 Floor Plan Panel Screen

This area is define Floor Plane, you can have different floor plan and this must be performed first before all the points (reader/sensor/output) to be allocated onto the floor plan. You can edit all the points inside the floor plane using E.Win Designer.



Buttons	Operations	descriptions
	Play button	to keep the screen changing from one floor map to another floor map.;
	Pause button	To keep the screen paused
	Rewind button	To show previous floor map
	Forward button	To display next floor map

CHAPTER 7

7.0 SYSTEM SETTING

7.1 TIMERS

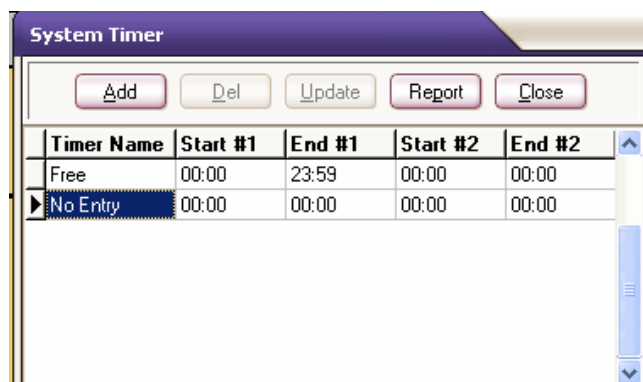
7.1.1 Timer Definition

Timer is the range that you can assign to the time zones, so that each particular day in the time zone can be assign with a set of a time range. Timer would be the time each particular card can be access a door in a day. Timer format defined is a 24 hour format.

7.1.2 Timer Setting

To get into timer setting, you can click Setup Menu > Timer or Timer speed button

There are 2 sets of pre-defined timer:-



Timer Name	Start #1	End #1	Start #2	End #2
Free	00:00	23:59	00:00	00:00
No Entry	00:00	00:00	00:00	00:00

Free – user can access any time of the day

No Entry – No entry at all

7.1.3 Add Timer

Example: add one set of working period timer.

IN: 08:30

LUNCH OUT: 12:30

LUNCH IN: 13:30

OUT: 17:30

1. To add a new timer, click at Add button
2. Key in the name to represent the timer
3. Key in Start Time #1 (08:30)
4. Key in End Time #1 (12:30)
5. Key in Start Time # 2 (13:30)
6. Key in End Time #2 (17:30)

7. Click update button to update the Timers database

1. Click 'Add' button to add timer

7. Click 'Update' button to update timer database

Click 'Cancel' button to abort the process

Timer Name	Start #1	End #1	Start #2	End #2
* Set Time # 1	08:30	12:30	13:30	17:30
Free	00:00	23:59	00:00	00:00
No Entry	00:00	00:00	00:00	00:00

2. Key in Timer Tag name

3 & 4. Key in Start time and End time #1

5 & 6. Key in Start time and End time #2

7.1.4 Edit Timer

Timer that is already set can be change to another setting of desire. Example: change lunch time to 12:00 until 13:00

1. Point to the timer that you would like to change

3. Click 'update' button to update timer database

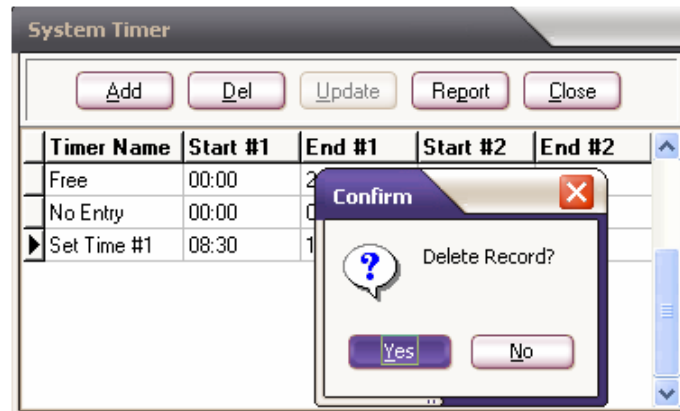
Timer Name	Start #1	End #1	Start #2	End #2
* Set Time # 1	08:30	12:00	13:00	17:30
Free	00:00	23:59	00:00	00:00
No Entry	00:00	00:00	00:00	00:00

2. Key in new time


7.1.5 Delete Timer

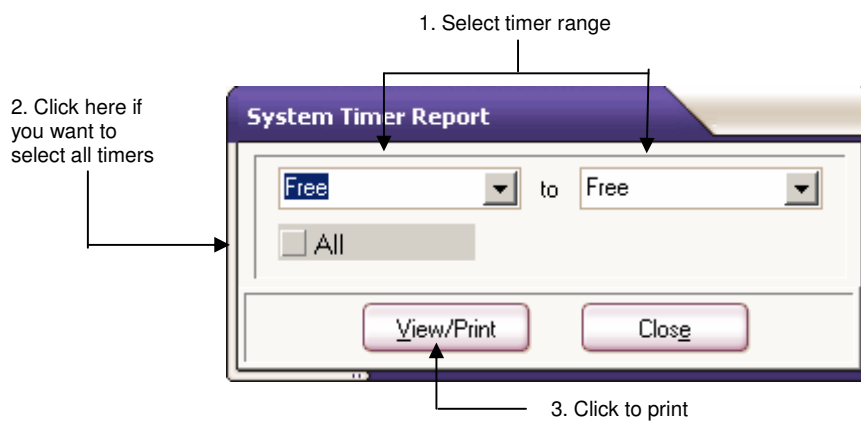
To delete Timers setting from database:

1. Click at the Timer Name that you want to delete.
2. Press Delete button at your keyboard.
3. Click Yes at confirmation screen pop up. Click No if you don't want to delete the timer.

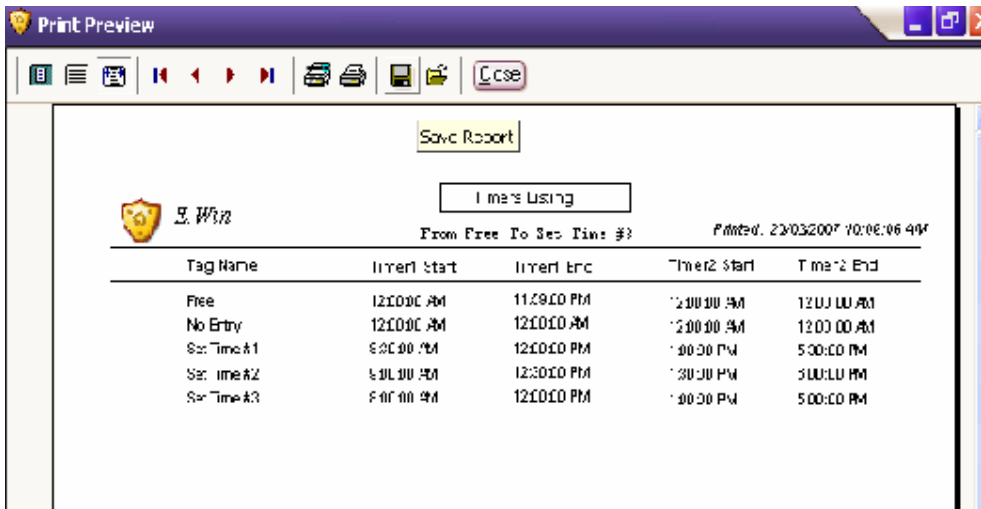


7.1.6 Timer Report

You may confirm the timer setting by printing out the values. Just click  button, and a Form will be displayed as shown below



If you select only one timer, then the start and end timers must be the same. Press View/Print Button. You should get a preview as shown below:



7.2 TIME ZONE

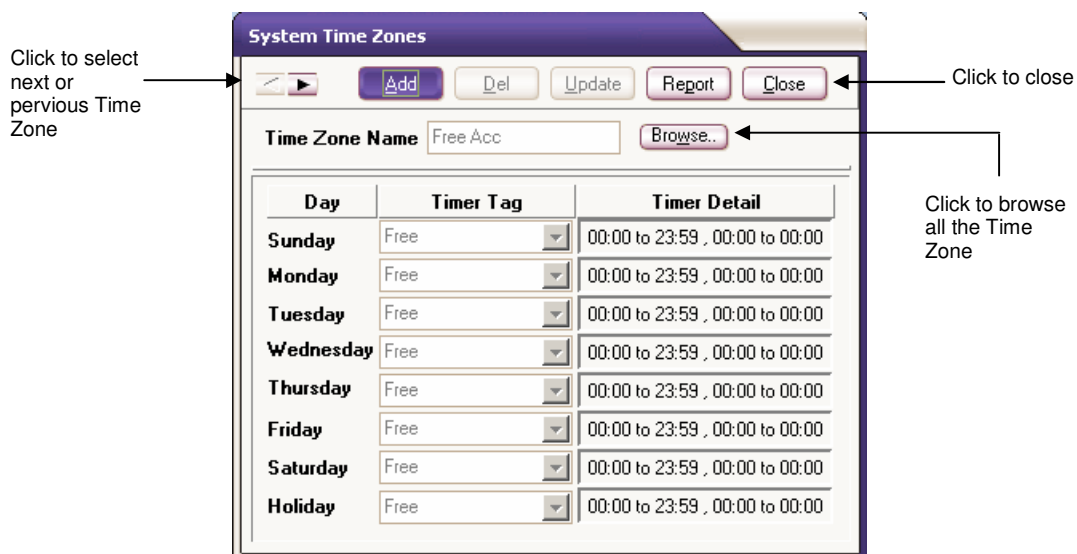
7.2.1 Timer Zone Setting

To get into time zone setting, you can click Setup Menu > Time Zones or click Time Zone speed button

7.2.2 Pre-define Time Zone

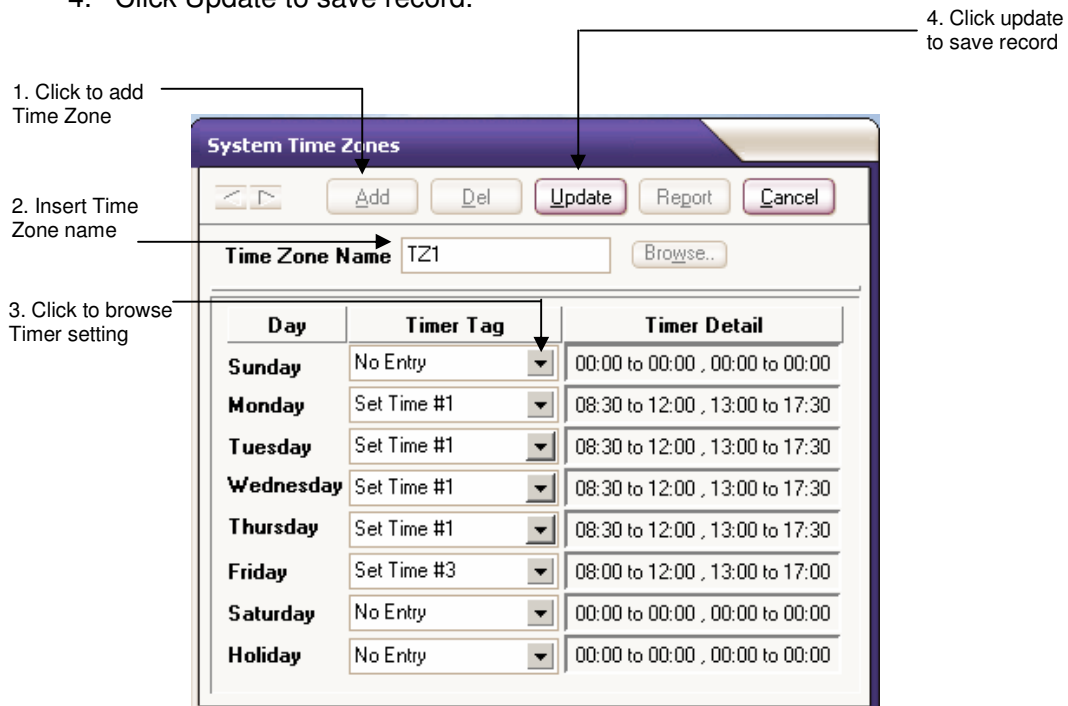
There are also pre-defined time zones:-

- Free Acc - Free Access for every single door
- No Acc - No Access is not granted at any time and on any day.



7.2.3 Add Time Zone

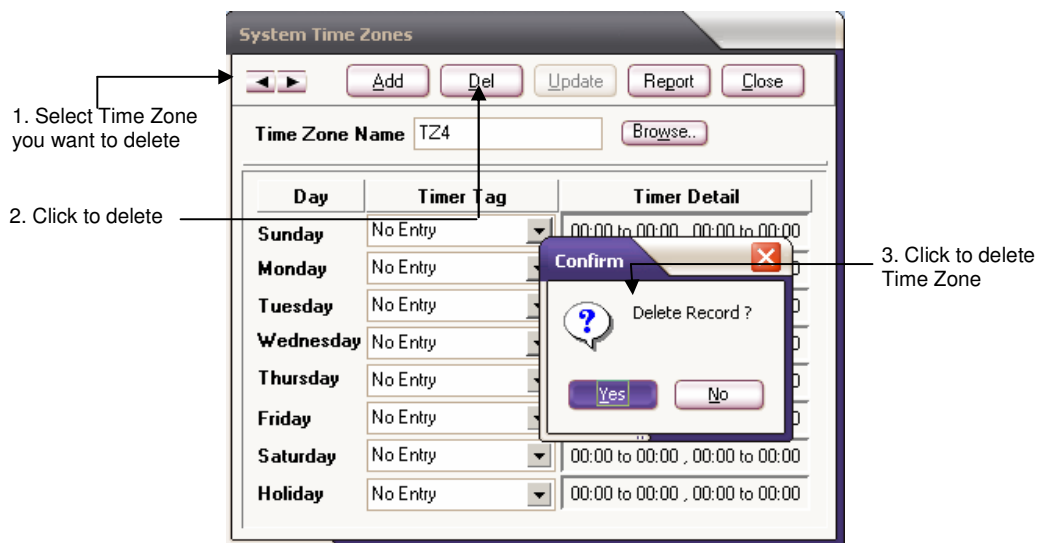
1. Click Add button.
2. Enter time zone name in the field labeled "**Time Zone Name**".
3. Move to the "**Timer Tag**" field for **Sunday** and enter the timer by selection from the drop-down list box. System automatically updates the rest of the days' Timers. (Re-select at one of day's Timer list box if the auto-change is not what you intended.)
4. Click Update to save record.



7.2.4 Delete Time Zone

To delete Time Zone setting from database:

1. Click at the Time Zone Name that you want to delete.
2. Click Delete button.
3. Click 'Yes' at confirmation screen pop up. Click No if you don't want to delete the Time Zone.



7.2.5 Timer Zone Report

You can check whether you have entered correctly by printing or previewing your entry using the “**Report**” button. (Please refer to Section 7.1.6 on how to use the Report Button). Your print out should look like Figure shown as below

Print Preview

Time Zones Listing

From Free Acc To TZ5 Printed: 20/03/2007 12:25:18 PM

Tag Name	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Holiday
Free Acc	Free	Free	Free	Free	Free	Free	Free	Free
No Acc	No Entry	No Entry	No Entry	No Entry	No Entry	No Entry	No Entry	No Entry
TZ1	No Entry	Set Time #1	Set Time #1	Set Time #1	Set Time #1	Set Time #3	No Entry	No Entry
TZ2	No Entry	Set Time #2	Set Time #2	Set Time #2	Set Time #2	Set Time #3	No Entry	No Entry
TZ3	Free	Free	Free	Free	Free	Free	Free	Free
TZ4	No Entry	Free	Free	Free	Free	Free	No Entry	No Entry
TZ5	Set Time #3	Set Time #3	Set Time #3	Set Time #3	Set Time #3	Set Time #3	Set Time #3	Set Time #3

7.3 DOOR ACCESSIBILITY

Door Accessibility holds particular reader controller and Time Zone that specific cardholders are allowed with access. This is useful in managing sites or areas (installed with individual controller) of restricted access.

7.3.1 Door Accessibility Setting

To get into door accessibility setting, you can perform either:

1. Click Door Accessibility Speed Button
2. Click Setup>Door Accessibility

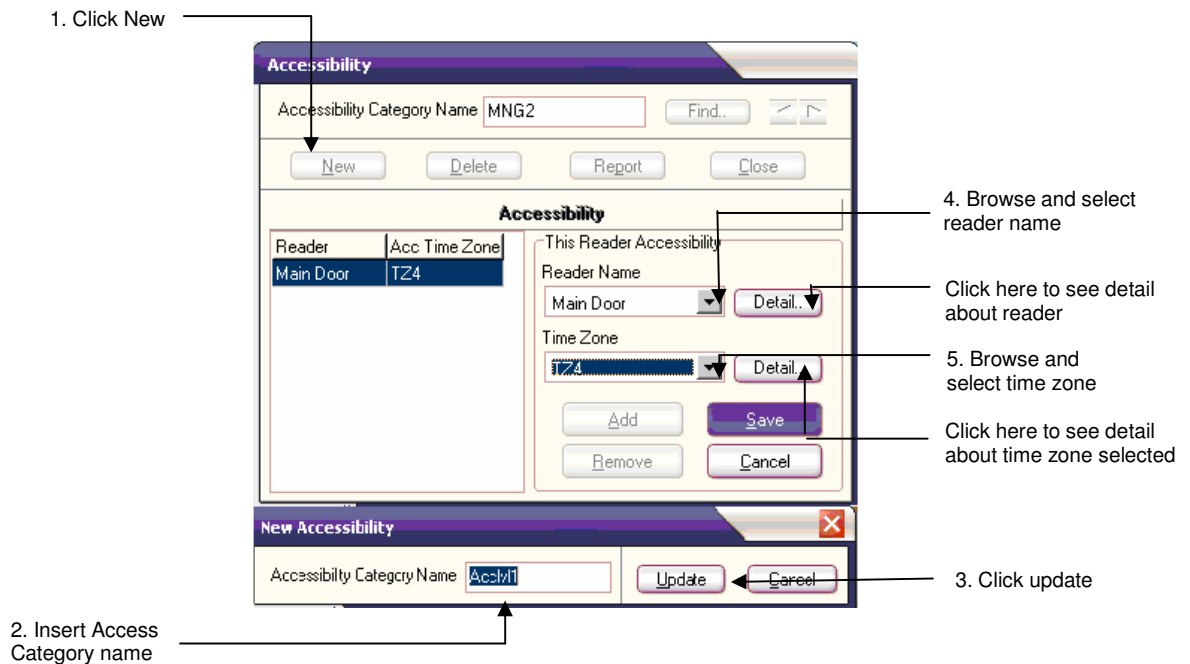
7.3.2 Pre-define Door Accessibility

There is also pre-defined door accessibility:-

- Acc-All - Allows free access to all readers at all days and all times.
- No Acc - No Access to all readers at all days and all times.

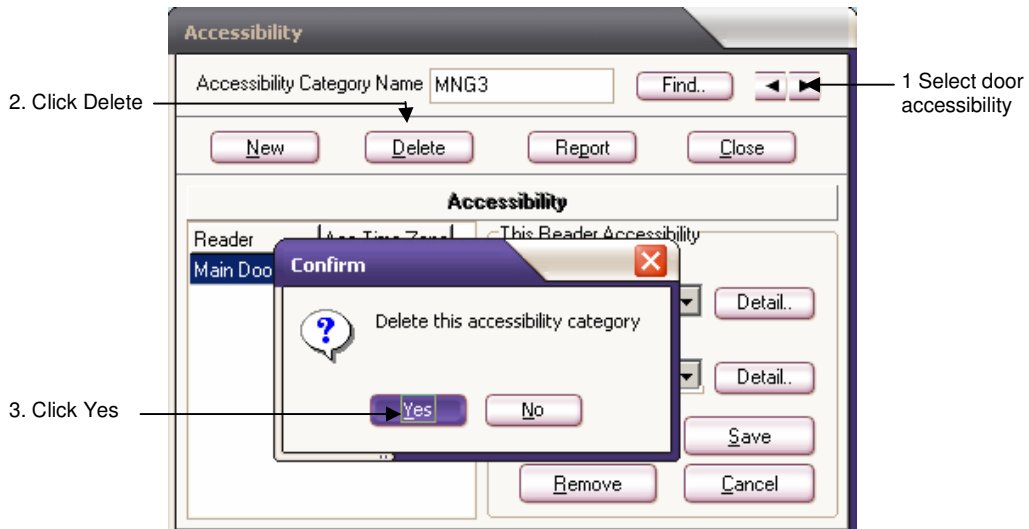
7.3.3 Add New Door Accessibility

1. Click 'New' button.
2. Insert Accessibility Category Name under New Accessibility screen.
3. Click Update button (New Accessibility Screen).
4. Select reader name under Reader Name list.
5. Select time zone under Time Zone list.
6. Click Save button to save into database.



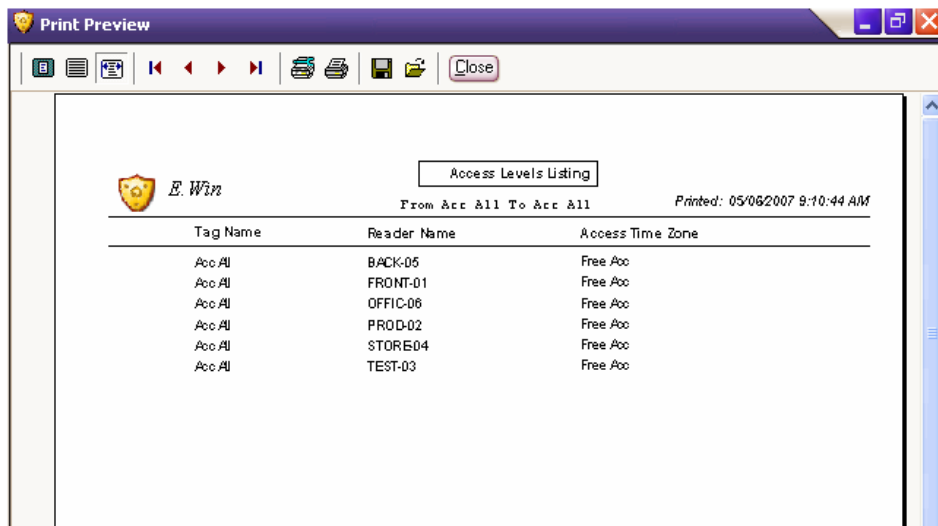
7.3.4 Delete Door Accessibility

1. Select Door Access you want to delete.
2. Click 'Delete' button.
3. Click Yes button to delete accessibility category from database



7.3.5 Door Accessibility Report

You can preview the setting using Report button, (*Please refer to Section 7.1.6 on how to use the Report Button*). Your print out should look as below



7.4 FLOOR ZONES

Floor Zoning is applied only to lift access controllers, and that the traffic of access is low. It is used for restricting cardholders to accessing designated floors. System handles up to 64 floors.

Click on the Floor Zone command Setup>Floor Zone

7.4.1 Pre-define Floor Zones

Free Access - free access to all floors

No Acc - no access to all floors

7.4.2 Add Floor Zones

1. Click Add button (Floor Zone name automatically generate)
2. Define floor that can be gained access into
3. Click Update to store data

The screenshot shows the 'Floor Zone' configuration window. It has a title bar 'Floor Zone' and a toolbar with buttons: '<', '>', 'Add', 'Del', 'Update', 'Report', and 'Cancel'. Below the toolbar is a text field for 'Floor Zone Name' containing 'Finance' and a 'Browse..' button. At the bottom is a table with three columns: 'Set#', 'From Floor#', and 'To Floor#'. The table contains four rows of data, each with '00' in the 'From Floor#' and 'To Floor#' columns.

Annotations with arrows point to the following elements:

- '1. Click Add' points to the 'Add' button.
- '3. Click update' points to the 'Update' button.
- 'Change floor zone name' points to the 'Floor Zone Name' text field.
- 'Click to browse floor zone' points to the 'Browse..' button.
- '2. Define floor access here' points to the first row of the table.

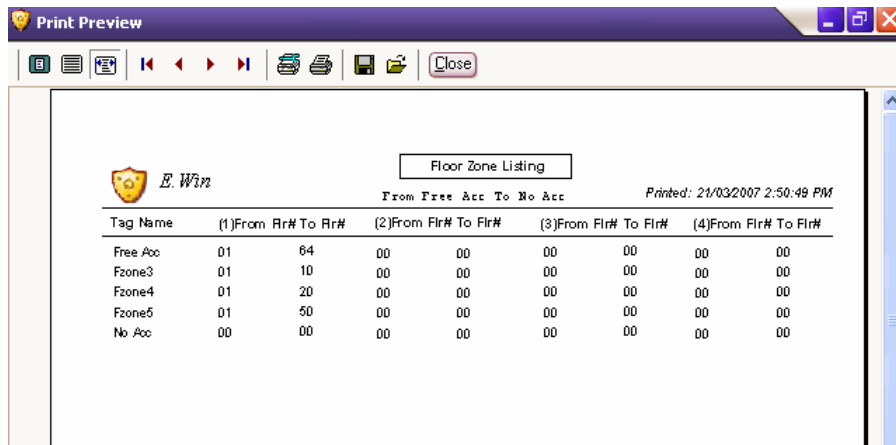
Set#	From Floor#	To Floor#
1	00	00
2	00	00
3	00	00
4	00	00

7.4.3 Delete Floor Zones

1. Select floor zone you want to delete
2. Click Delete button
3. Click "Yes" at confirmation screen

7.4.4 Floor Zones Report

You can preview the setting using Report button, (*Please refer to Section 7.1.6 on how to use the Report Button*). Your print out should look like below



Printed: 21/03/2007 2:50:49 PM

Tag Name	(1)From Rr# To Rr#	(2)From Fir# To Fir#	(3)From Fir# To Fir#	(4)From Fir# To Fir#
Free Acc	01 64	00 00	00 00	00 00
Fzone3	01 10	00 00	00 00	00 00
Fzone4	01 20	00 00	00 00	00 00
Fzone5	01 50	00 00	00 00	00 00
No Acc	00 00	00 00	00 00	00 00

7.5 FLOOR ACCESSIBILITY

Floor Accessibility determines which controller and Floor Zone, a cardholder is allowed accessing. So, the physical mounting of controllers are directly associated to the servicing of particular floors' accesses (or floor zone). This means that a controller (reader) mounted on the 2nd floor of a building cannot possibly be assigned with floor zone(s) that covers floors 8 and 10. If your building has multiple lifts (and each covers certain floors), you may then enforce this by limiting cardholders to gain access only to certain lift.

7.5.1 Pre-Defined Floor Accessibility

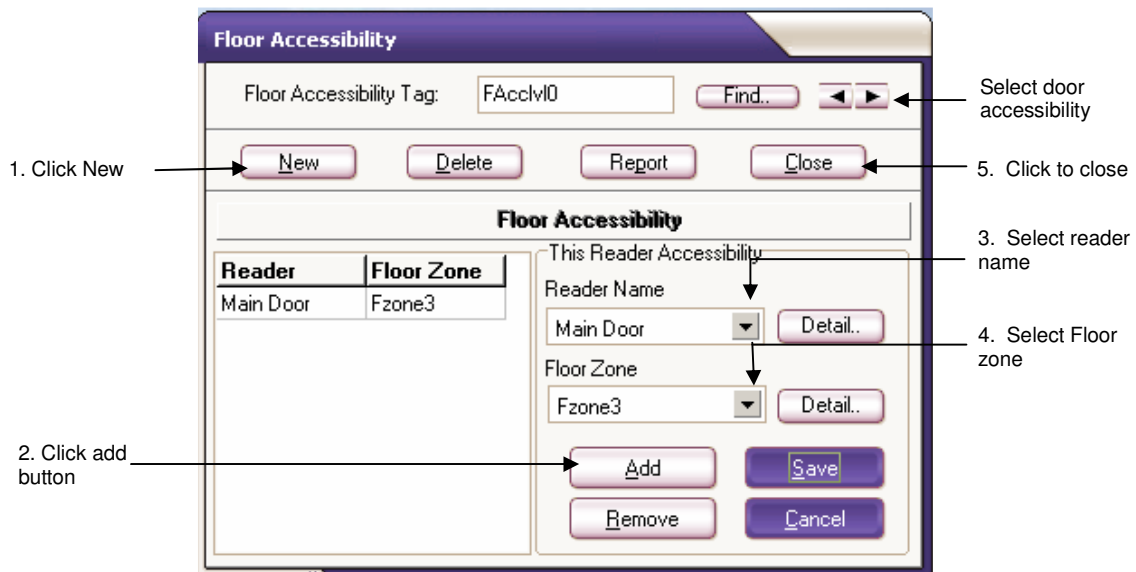
There is also pre-defined floor accessibility:-

Acc-All – allows free access to all floor.

No Acc – No Access to all floor.

7.5.2 Add New Floor Accessibility

1. Click "New" button.
2. Insert Accessibility Category Name under New Accessibility screen.
3. Click "Update" button (New Accessibility Screen).
4. Click "Add" button to add reader and floor zone
5. Select reader name under Reader Name list.
6. Select Floor Zone under Floor Zone list.
7. Click "Close" to save the new floor accessibility and close the window.

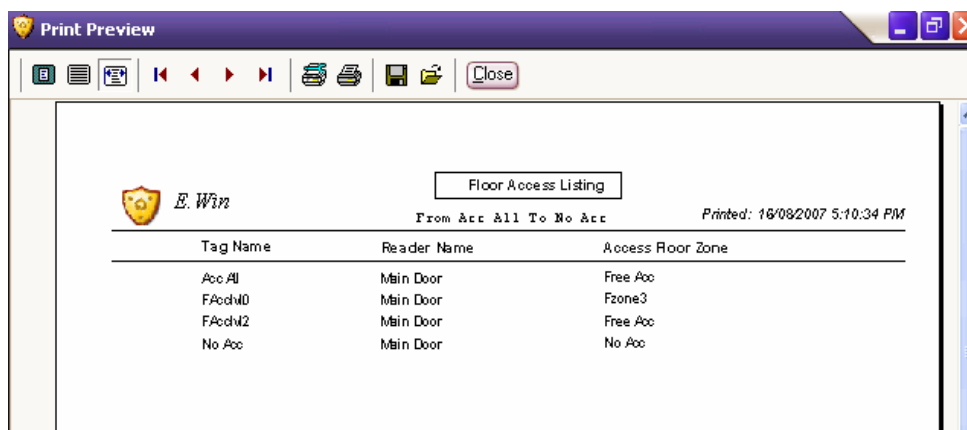


7.5.3 Delete Floor Accessibility

- i. Select floor accessibility you want to delete
- ii. Click Delete button
- iii. Click "Yes" at confirmation screen

8.5.4 Floor Accessibility Report

You can preview the setting using Report button, (*Please refer to Section 7.1.6 on how to use the Report Button*). Your print out should look like below.



7.6 HOLIDAYS

Setting the Holiday would enable the reader to recognize the day as a holiday and the holiday time zone will be used for granting access to the door. This is important because if a holiday falls on a weekday you may want to bar users from entering the premises. Access control for holidays needs to be handled differently from the access control for

ordinary working days. Not all cardholders having the same access control for ordinary working days have the same access rights for holidays.

A maximum of 20 days in a year can be defined as holidays, and each date is in the pattern of day/month/year. The description of each holiday can be edited but not the date.

To perform holidays setting click Setup>Holidays

7.6.1 Add Holiday Date

1. To key in the date, you could either click at the **“Date”** field and key in the date with format **dd/mm/yyyy** (e.g 01/01/2008) and key in **“Description”** (e.g ‘New Year’)
2. Alternatively, you can double click for a date on the calendar to select date on the calendar to select the date as a holiday after clicking on the **“Add”** button. The *Month* and *Year* is selected using the up/down scroll arrow in the Month Box and Year Box. Finally, click at the **“Description”** field and key in the description for the holiday.

The screenshot shows the 'Holiday Dates' application window. It features a table with columns 'Date' and 'Description'. The table contains three entries: '01/01/07' with 'New Year', '19/02/07' with an asterisk, and '18/02/07' with 'Chinese New Year'. Below the table, there are input fields for 'Date' (19/02/2007) and 'Description' (Chinese New Year). A red note states 'NOTE: All holidays will be downloaded.' Below the input fields are buttons for 'Add', 'Del', 'Save', 'Report', and 'Cancel'. A calendar is displayed below the buttons, showing the month of February 2007. The date 19 is highlighted. At the bottom, there are dropdown menus for 'Year' (2007) and 'Month' (2). Annotations with arrows point to various elements: '1. Click to add holidays' points to the 'Add' button; '2. Double click to select date' points to the date 19 in the calendar; '3. Insert description' points to the 'Description' input field; '4. Click 'Save'' points to the 'Save' button; 'Select year' points to the 'Year' dropdown; and 'Select month' points to the 'Month' dropdown.

Date	Description
01/01/07	New Year
* 19/02/07	
18/02/07	Chinese New Year

19/02/2007 Chinese New Year
(dd/mm/yyyy) NOTE: All holidays will be downloaded.

1. Click to add holidays → Add Del Save Report Cancel → 4. Click 'Save'

2. Double click to select date →

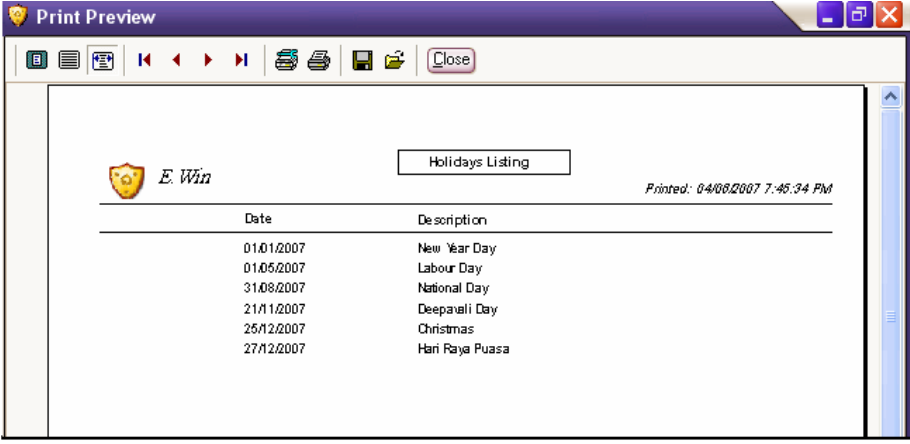
Select year → Year 2007 → Select month → Month 2

7.6.2 Delete Holiday Date

1. Select 'Holiday' you want to delete
2. Click Delete button
3. Click "Yes" at confirmation screen

7.6.3 Holidays Report

You can preview the holiday database using Report button, (*Please refer to Section 7.1.6 on how to use the Report Button*). Your print out should look like below



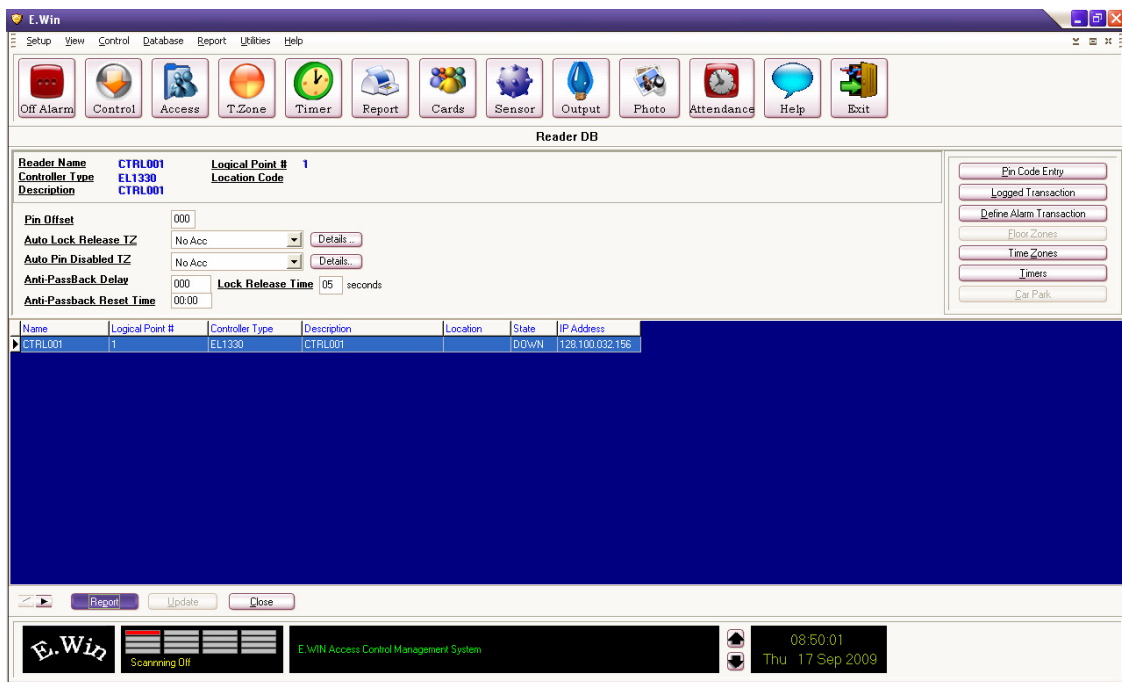
The screenshot shows a 'Print Preview' window with a purple title bar. The window contains a report titled 'Holidays Listing'. In the top left corner of the report area, there is a logo for 'E. Win'. In the top right corner, it says 'Printed: 04/08/2007 7:45:34 PM'. The main content is a table with two columns: 'Date' and 'Description'. The table lists the following holidays:

Date	Description
01/01/2007	New Year Day
01/05/2007	Labour Day
31/08/2007	National Day
21/11/2007	Deepavali Day
25/12/2007	Christmas
27/12/2007	Hari Raya Puasa

CHAPTER 8





8.0 SETTING READER PARAMETER

This chapter concentrates on Reader Parameter Settings. All reader parameter are set in the DATABASE MENU. Click Database>Controllers. The following screen will be appeared



The following reader parameter can be set at this screen:

Pin Offset	Pin Code Entry
Auto Lock Release TZ	Logged Transaction
Auto Disable TZ	Define Alarm Transaction
Anti-Passback Delay	Floor Zones
Anti-Passback Reset Time	Time Zones
Lock Release Time	Timers
	Car Park

First apply   button at the bottom left of the screen as above to select your intended Reader, you can then start editing. For example, suppose you wish to change the 'CTRL3' door parameters, click   button until the *Reader Name* shows 'CTRL3' and then start editing. Click the "**Update**" button to save your data.

You are required to work on one reader at a time until the door parameters for all the readers are set.

Note:

Parameters not applicable to a particular reader (controller) type will be automatically disabled. particular reader (controller) type will be automatically disabled.

Operation	Operation Description
Pin Offset	<p>This command is only available for EL22xx series of controller, where user cannot program individual PIN. PIN number is already pre-programmed in card.</p> <p>This command allows the way to use PIN number be changed. The 3-digit number is a value (enter by user) that is to be added to a particular (un-modifiable) PIN number, to derive a 'new' PIN number.</p>
Auto Lock Release Time Zone	<p>This command allows the electric lock of a door to be automatically released for access without the need for a user to badge/swipe a card.</p> <p>The release is to be controlled by Time Zone.</p>
Auto PIN Disable Time Zone	<p>Allows the reader (controller) access condition to be automatically switched from (Card and PIN) mode to (Card only) mode according to intended time zone.</p> <p>Click on the Auto Pin Disabled TZ's drop-down list box to display all the previously defined Time Zones.</p>
Anti-Passback Delay	<p>This command is mainly used for the Car Park System.</p> <p>This time delay before triggering the anti-pass can be set between 0 to 120 minutes (or up to 2 hours). Once you have swiped your card and entered into a car park area, you are not allowed to reuse the card until you have swiped/badged and driven your vehicle out.</p>
Anti Passback Reset Time	<p>This command allows you to reset the Anti-Passback Reset Time back to null. For example, if the Anti-Passback Reset Time is at 13:00 the anti-pass will no long apply from 13:00 hours onwards, unless another badge/swipe IN/OUT takes place.</p>
Lock Release Time	<p>This command allow you to set the time duration for Door Lock to remain operated each time it is commanded to turn on.</p>

8.1 PIN COCE ENTRY

This command allows you to set up to 10 PIN codes, which can be used to open the door (without using a card). The length of the PIN code can be between 1 to 6 digits, set by the PIN LENGTH field.

	Pin Length	Pin Code	Effective Time Zone
	4		
1.		0000	No Acc
2.		0000	No Acc
3.		0000	No Acc
4.		0000	No Acc
5.		0000	No Acc
6.		0000	No Acc
7.		0000	No Acc
8.		0000	No Acc
9.		0000	No Acc
10.		0000	No Acc

Commands What to do

- PIN Code**
1. Select Pin Length. Maximum pin length is 6.
 2. Insert PIN Code
 4. Select Time Zone, you can click at the details button to see the Time Zone details.
 5. Click Update button.

8.2 LOGGED TRANSACTION

The command *Logged Transaction* allows you to select those transactions, which you wish to be recorded or printed. **E.Win** will only print or record those transactions that you have selected. The rest will be ignored. Upon clicking this command, the Form as showing below appears.

Command	What to do
Logged Transaction	<ol style="list-style-type: none">1. Check on those check-boxes with the transaction type you intend to record.2. If you want to select all those transaction click at Select All button3. If you want to deselect all those transaction, click Clear button4. Click Close

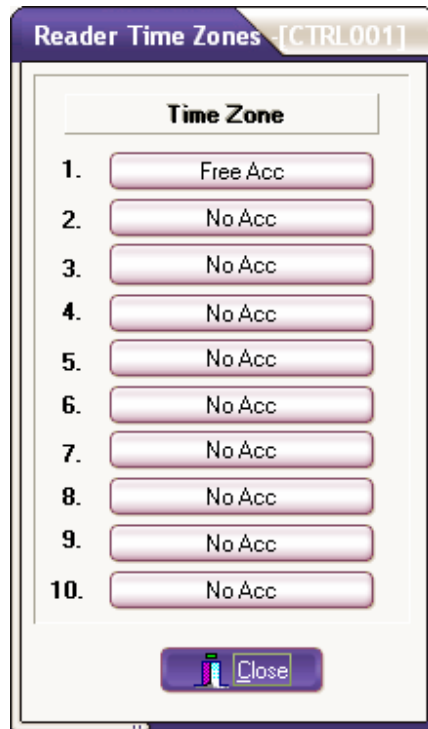
8.3 DEFINE ALARM TRANSACTION

This command allows you to select the transactions, which you classify as Alarm or Abnormal transaction. An alarm will be triggered when anyone of these Transactions occurs. The same Form as below appears and the same procedure implies for choosing the Transaction.

Transaction	Status
0 Valid Entry	<input type="checkbox"/>
1 Invalid Entry	<input checked="" type="checkbox"/>
2 Duress Alarm	<input checked="" type="checkbox"/>
3 Wrong Pin	<input checked="" type="checkbox"/>
4 Door Open Alarm	<input checked="" type="checkbox"/>
5 Pulse Door Open	<input type="checkbox"/>
6 Wrong Customer Code	<input checked="" type="checkbox"/>
7 Wrong Time Zone	<input checked="" type="checkbox"/>
8 Anti-Passback Alarm	<input checked="" type="checkbox"/>
9 Valid Exit	<input type="checkbox"/>
A Sensor Alarm	<input checked="" type="checkbox"/>
B Sensor Isolation	<input checked="" type="checkbox"/>
C Sensor Arming	<input checked="" type="checkbox"/>
D Door Left Open Alarm	<input checked="" type="checkbox"/>
E Output On	<input checked="" type="checkbox"/>
F Output Off	<input checked="" type="checkbox"/>
G Exclude Sensor	<input checked="" type="checkbox"/>
H Include Sensor	<input checked="" type="checkbox"/>
I Status On	<input checked="" type="checkbox"/>
J Status Off	<input checked="" type="checkbox"/>
K Door Closed	<input checked="" type="checkbox"/>
L Keypad Locked	<input checked="" type="checkbox"/>
M Sensor Alarm #2	<input checked="" type="checkbox"/>
N Status On #2	<input checked="" type="checkbox"/>
O Status Off #2	<input checked="" type="checkbox"/>
P Sensor Isolation #2	<input checked="" type="checkbox"/>
Q Sensor Arming #2	<input checked="" type="checkbox"/>
Y Controller Up	<input checked="" type="checkbox"/>
X Controller Down	<input checked="" type="checkbox"/>

8.4 TIME ZONES

This command lists the Time Zones applied to a controller/reader. Click on this command for the Form as showing below. You may view the detailed setting of a particular Time Zone by clicking on the button with Time Zone name on it.



8.5 TIMERS

This command shows the Timers applied to a controller/reader. Click on this command for the Form as showing below. You may view the detailed setting of a particular Timer by clicking on the button with Timer name on it.



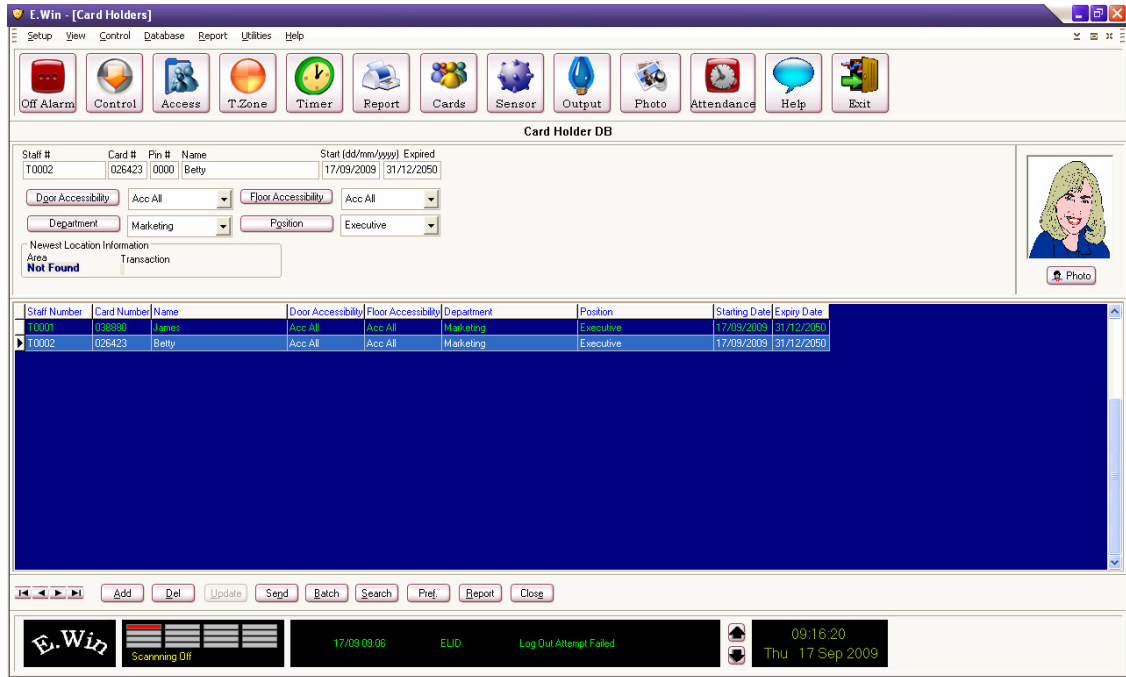
Note :

The Time Zones and Timers in Section 8.4 and 8.5 cannot be changed. It is only for viewing. Any amendments towards the setting should be done in Time Zones Setting and Timers Setting (refer to Chapter 7, Section 7.1 and 7.2).

CHAPTER 9

9.1 CARD HOLDER

Click on the Database>Card Holder to perform this function.



Parameter	Operation Description	Note
Staff #	To define a unique Staff Number.	Maximum field length is 12 characters.
Card #	To define unique Card Number relevant to a controller.	Field length is 6 digits.
PIN	To assign 4-digit Personal Identification Number.	
Name	To define card holder name	
Start and Expiry Date	To define valid period for Card holder	
Door Accessibility	To define which door and the time frame relevant to a Card holder	
Department	To define the department a cardholder belongs to. Refer to Department Definition Form. You can click at 'Department' button to add department	

Parameter	Operation Description	Note
Floor Accessibility	To define which lift and the floor relevant to a Card holder.	
Position	The position of a cardholder in the Organization / company. Refer to Position Definition Form. You click at 'Position' button to add position.	
Photo	To store photograph of the Card holder.	Photo must be in BMP format, of size 100(W) x 120(H) pixels. Photo area out of the specified boundary will not be visible.

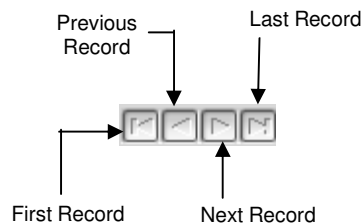
9.2 EDITING BUTTONS

Editing Buttons consist of a list of commands that you can perform on the Card Holder DB. The commands are briefly described in the following Sections.



9.2.1 Viewing Button

Four (4) Viewing Buttons are available for you to browse through the database.

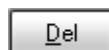


9.2.2 Add Button



To add a card holder, click on this button. Enter the *Staff#, Card#, Pin#, Name, Start and Expired Date, Door Accessibility, Department and Position* in the Editing Screen, click the “**Update**” button when done. A card holder record would be created.

9.2.3 Delete Button



To remove a card holder from the database, select the card holder first then click on the “**Del**” button and the card holder record shown on the Editing Screen will be deleted from the database.

9.2.4 Update Button

This command is to save the changes made on the Editing Screen.

9.2.5 Send Button

Once you have finish setting all the parameter, click on the “**Send**” button and the card that is highlighted will be sent down to the readers automatically, based on door accessibility setting.

9.2.6 Batch Button

There are 2 commands associated with “Batch”.

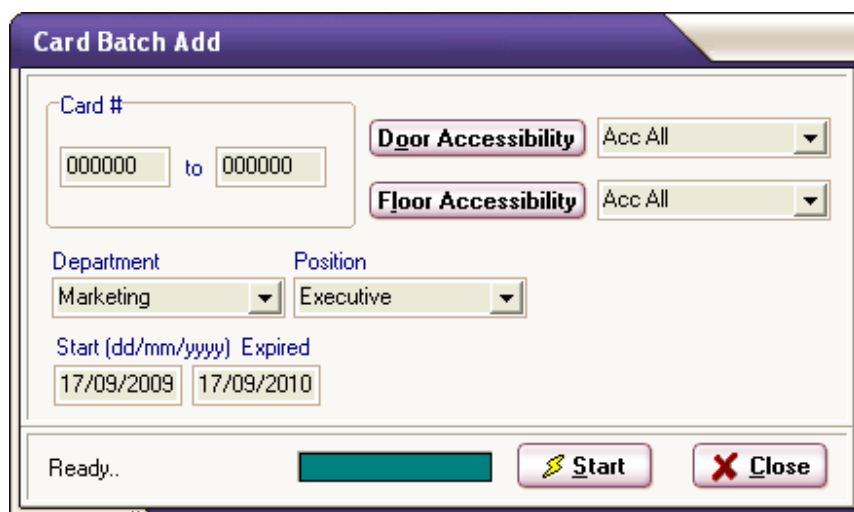


“Batch Add”
which allows you to add card holders in batches

“Batch Delete”
This allows you to delete a batch of card holders stored in the database.

BATCH ADD

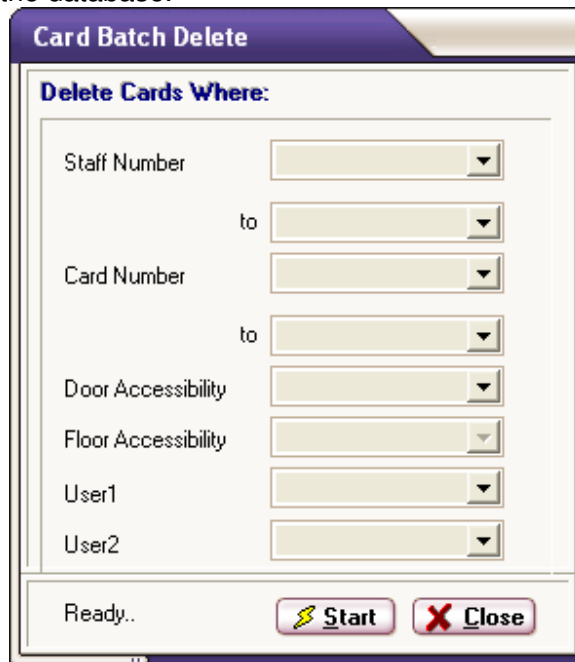
Upon entering into this command choose “**Batch Add**” and Figure below appears.



For example, if you wish to create the records for a group of 10 production workers. You can do so by keying the starting number and ending number on the *Card #* text boxes. Then maintain the *Department* and *Position*. Those fields that vary like the *Name* field ought to be keyed in separately. After editing, click the “**Start**” button to add the cardholders to database.

BATCH DELETE


The same procedure applies for deleting a batch of cardholders. Choose this command for the Form as below, key in the appropriate fields and click “Start” button to delete a list of card holders from the database.



9.2.7 Search Button



The command “**Search**” is used to search for a particular card holder. You are able to search by either keying in the *Card #*, *Staff #* or *Name*. Then click “**OK**” and the cursor will point to the specific record. The Search screen is displayed as below.



9.2.8 Preference Button

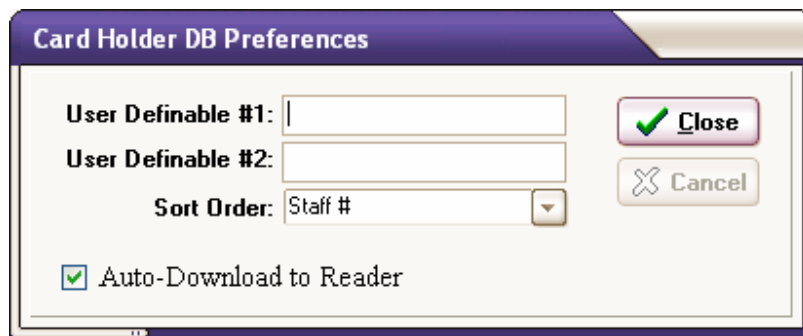
User Definable fields can be created to hold additional information of the card holder. For example, Marital Status/ Sex/ Tel No and etc. After keying in the fields, you can click the “**Save**” button to save the new definition into the database. The next time you go into the Card Holders Database, you will be able to see the newly defined fields.

SORTING ORDER

This setting allows you to define the Sorting Order for the records in the Database Screen. The down scroll arrow of the *Sort Order* box at the right opens into a list of available choices when you select it. The scroll bar on your right allows you to browse through the list and select the one you wish. Select the field that you wish to use as the key for sorting and press ENTER.

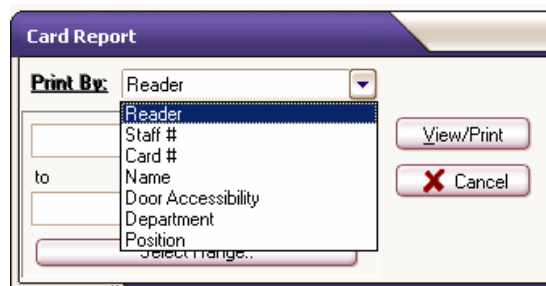
AUTO-DOWNLOADING TO READER

This is an optional field for cards to be sent down to readers/controllers automatically each time they are being created or updated. To activate this mode, check the *Auto Download To Reader* option as shown below.



10.2.9 Report Button

Finally the command “**Report**” which shows the card database report as shown below, you can generate your report and sort the printing according to Reader, Staff No., Card No., Name, Door Accessibility, Department or Position.



View Card Holder Report

Staff Number	Card Number	Name	Pin	Accvl	User1	User2
013001	013001	GAN Keng Fai	0000	Acc All	Marketing	Executive
013002	013002	Wong Yee Nee	0000	Acc All	Marketing	Executive
013003	013003	Mohd Shukri	0000	Acc All	Marketing	Executive
013004	013004	Sany Liew	0000	Acc All	Marketing	Executive
013005	013005	Goh Swee Ling	0000	Acc All	Marketing	Executive

Total Record : 5

Print Close

CHAPTER 10

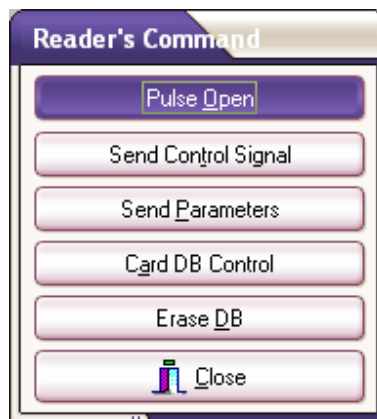
10.1 DOWNLOADING TO READERS

Commands described in this chapter allow you to download parameters and databases to specified readers as well as controlling directly the operation of the reader.

10.2 READERS COMMAND

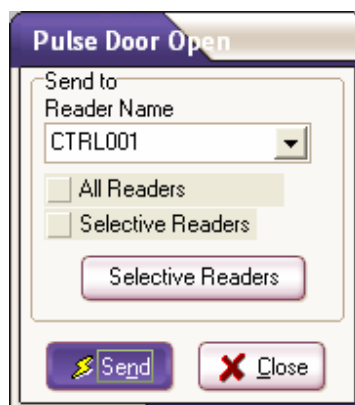
To get into this menu, you can click Control Menu > Controllers or click at 'Control' speed button.

The readers Command screen would appears.



10.2.1 Pulse Open

Click on *Pulse Open* button on *Reader's Command* screen. *Pulse Open* is to momentarily unlock the door by deactivating the locking device.



If you choose all readers, then check the *All Readers* option. The control action will be sent out to all readers consecutively.

You may download this command to a specific reader, to a selected set of readers or to all readers. The instructions are set at “**Send To**” selection panel.

1. Select a reader from the *Reader Name* drop-down list box. **OR** click on the *Selective Reader* check-box to select reader.
2. Click *Selective Readers* button.
3. Check those readers that you want to download the command. You can toggle between select and deselect by mouse clicking against it.
4. Then you can return to the original screen by clicking the “**OK**” button.
5. Click the “**Send**” button.

Note: First priority is given to “All Reader”, followed by “Selective Readers”, then “Individual Readers”. If you have selected all readers and decide to switch to individual reader, then make sure to deselect the “All Reader” command first.

10.2.2 Send Reader Control Signal

This command allows you to send control signal to readers in the system. Its command Form is as below.

The screenshot shows a software interface titled "Send Reader Control Signal". It features a "Send to Reader Name" dropdown menu with "CTRL001" selected. Below this are two checkboxes: "All Readers" (unchecked) and "Selective Readers" (checked). A purple button labeled "Selective Readers" is positioned below the checkboxes. A pink button labeled "Reset Anti-Passback" is located below the "Selective Readers" button. On the right side, there are four sections, each with radio buttons: "Permanent Lock Release" (On, Off), "Inhibit Access" (On, Off), "Pin Mode" (On, Off), and "Anti-Passback" (Off, Timer, Reader, 4-Readers). At the bottom, there are two buttons: a purple "Send" button with a lightning bolt icon and a pink "Close" button with a red X icon.

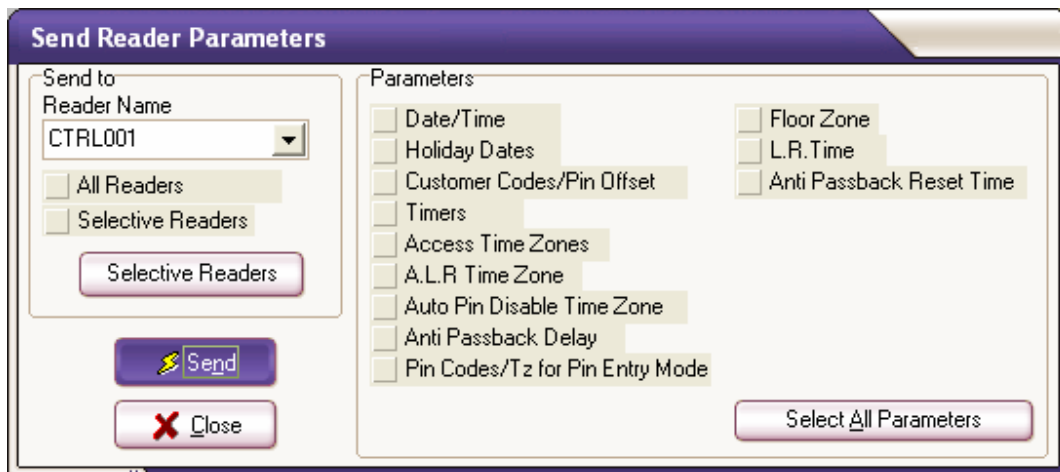
Select the target readers from the selection panel “**Send To**”. Four sets of radio buttons are available to set the following actions:

Command	Description
Permanent Lock Release	“ On ” designates that the door is to be kept unlocked at all time. The door will only be locked back when you select “ Off ”.
Inhibit Access	“ On ” designates that all cardholders are suspended temporarily from entry/exit. Access is granted only if you select “ Off ”.
Pin Mode	“ On ” designates that entry is of CARD + PIN mode. To switch back to the CARD mode, click on “ Off ”.
Anti-Passback	This option has 4 selections. You may select “ Off ” to disable antipassback, select “ Reader ” to enable anti-passback by reader, or select “ Timer ” to enable anti-passback by timer. 4-Reader antipass-back is only applicable for EL2308 2-door controller. For further explanation of anti-passback, you may refer to hardware user manual.

Finally having done all the necessary selections, click on the “**Send**” button

10.2.3 Send Parameter

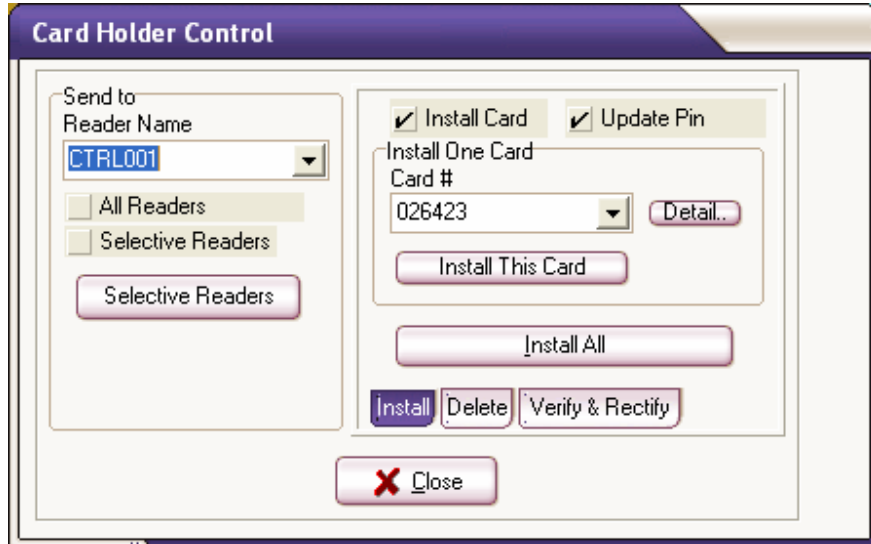
Parameters associate with readers is explained in Chapter 8. Downloading them to readers using the *Send Parameter* command is described here. Firstly, you have to define the target readers in the “**Send To**” selection panel.



You may click on the “**Select All Parameters**” button to select all parameters or just check on those parameters you intend to download to readers (controllers). Click on “**Send**” button to execute the sending of parameter data.

10.2.4 Card Holder Control

To send the card numbers to the reader (controller), we need to use the Card Holder commands described in this section.



Select the target readers from the selection panel “**Send To**”.

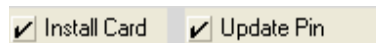


There are three notebook-tabs associate with controls of cardholder records. Click on the notebook tab to switch between the commands.

Install – to add card

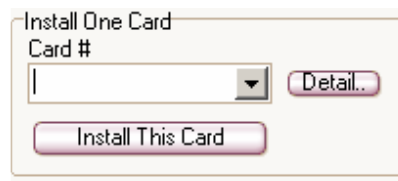
Delete – to remove cards from readers

Verify & Rectify – to check the differences between cardholder ID stored in the reader and database



Mouse click on the “**Install Card**” checkbox for selection.

For a reader that supports user definable PIN, you may check the “**Update Pin**” checkbox to send down the PIN at the same time. You may use this command to download new PIN at the same time. You might want to download only new Pin to readers. You should then only check on the “**Update Pin**” checkbox and remove the check mark on the “**Install Card**” checkbox.



Choose the cards you intend to send down. You have the option of either sending one card or all cards from database to readers. You cannot select a range of cards. To send one card, you need to select the card to be sent at the *Card #* drop-down list box, then click the “**Install This Card**” button.



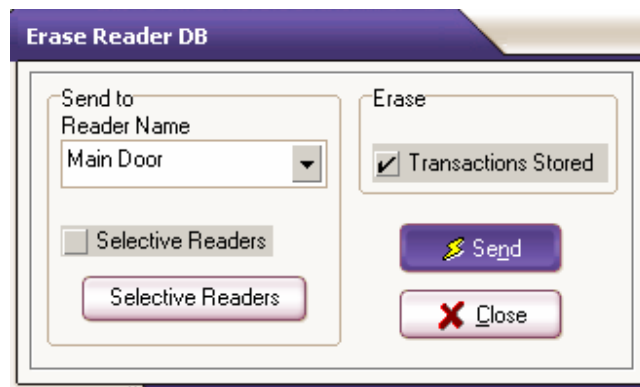
If you want to install all cards from the database to readers, click on the “**Install All**” button.

The same steps apply for “**Delete**” command. You have the option to delete one card or all cards in the database. When you execute the “**Install**” or “**Delete**” command, *E.Win* will Install/Delete the card to/from readers based on the door accessibility assigned to the cardholder.

The third command is “**Verify & Rectify**”. It is meant to check whether cards in readers are similar to that of the database in PC. The cardholder ID, time zone and any differences between PC database and reader database will be listed.

10.2.5 Erase Reader DB

This command allows you to clear transaction buffer in the controller database. Upon entering this command, the screen as shown below appears.



Select the controllers to be sent, then click “**Send**” button to execute the command.

10.2.6 Close

Click on “**Close**” button to exit from the Reader’s Command screen

CHAPTER 11

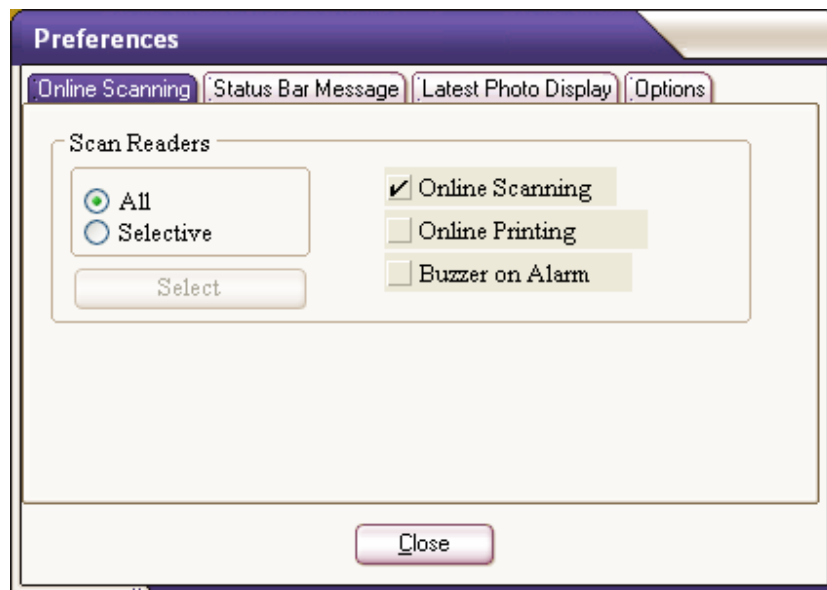
11.0 READER TRANSACTION REPORTS

Controllers automatically log all transaction events including card numbers entry/exit, access valid/invalid, photo display, date and time of access, and so on. The commands in **Setup > Preference** Sub-Menu and **Report Menu** allow these transaction records to be uploaded for preview and printout.

This chapter begins with the explanation on **Preferences** Sub-Menu, then follow by Report Menu.

On-line Scanning
Status Bar Message
Latest Photo Display
Report Menu

Go to the Setup Menu and click on the Preferences Menu and Figure below will be displayed.



In the above screen there are four tab-forms: “**Online Scanning**”, “**Status Bar Message**” and “**Latest Photo Display**”. Each of these allows you to set different Preferences.

11.1 ONLINE SCANNING

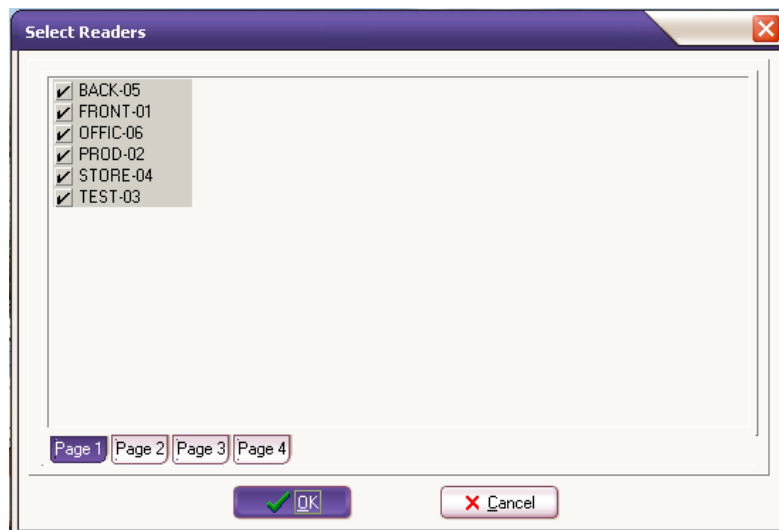
This command consists of the following components:

Scan Readers
On-Line scanning
Buzzer On Alarm

11.1.1 Scan Readers

This command allows you to select intended readers for monitoring. There are 2 optional buttons: "All Readers" or "Selective".

For "Selective" option, click on the "Select" button, a Form as below will be shown. Check on the reader tag name's check-boxes of those that you wish to monitor.



11.1.2 On-line Scanning

To activate this mode, check on the *Online Scanning* checkbox. *E.win* is a multi-tasking software. While on-line scanning of readers runs in the background, other send parameter commands can still be executed.

11.1.3 Buzzer On Alarm

This is a command that issues alarm sound at PC whenever invalid (abnormal) transaction occurs. An alarm will continue until user clicks Acknowledge Alarm button to acknowledge and stop it. After specifying all the selections, click the "Close" button to exit from this command.

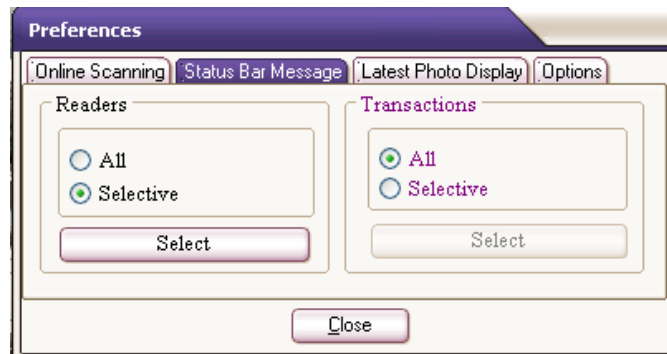
Note :

Transactions received from readers are separated into 2 categories, namely "Logged Transaction" and "Alarm Transaction", as defined in READER DB setting. Transactions

of category “Logged Transaction” will be displayed and stored in log file. Those transactions of category “Define Alarm Transaction” will cause system to trigger alarm.

11.2 STATUS BAR MESSAGE

The following setting allows you to define the type of transaction to be shown on status bar. Click at the Status Bar Message for the Form as of Figure below.

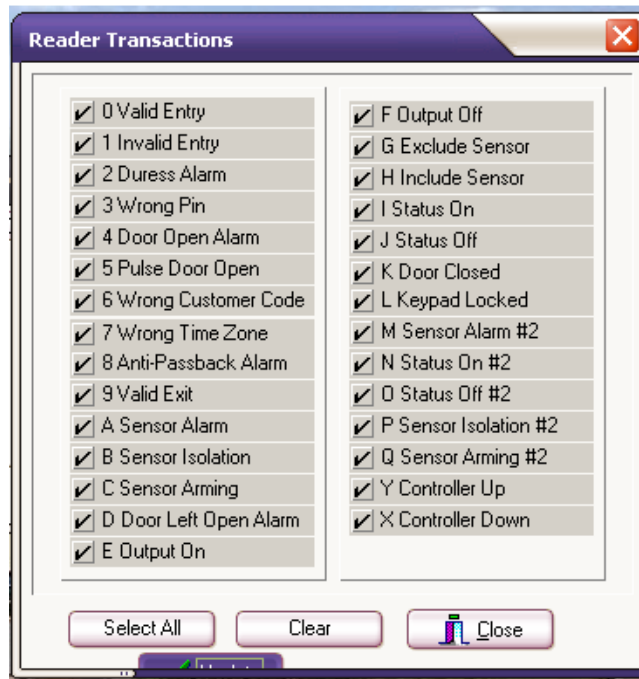


11.2.1 Reader

Just like the online scanning command, you can select the readers to be monitored. (Refer to Section 11.1.1 for details of selecting readers.)

11.2.2 Transaction

You may then select transactions that are relevant to you for monitoring using "Selective". Only the selected transaction will be displayed on the Status Bar. "All" means display any sort of transactions as predefined by system as showing Figure below. Mouse click on "**Update**" button to store changes made. After specifying all the selections, click the "Close" button to exit from this screen.



11.3 LATEST PHOTO DISPLAY

This setting allows you to set criteria for displaying stored image of cardholders on screen whenever accessing takes place. Click at the “Latest Photo Display” tab for the Form as of Figure below.



11.3.1 Readers

Just like the previous command, you need to define the readers to be used by this function. (Refer to Section 11.1.1 for details of selecting readers.)

11.3.2 Transaction

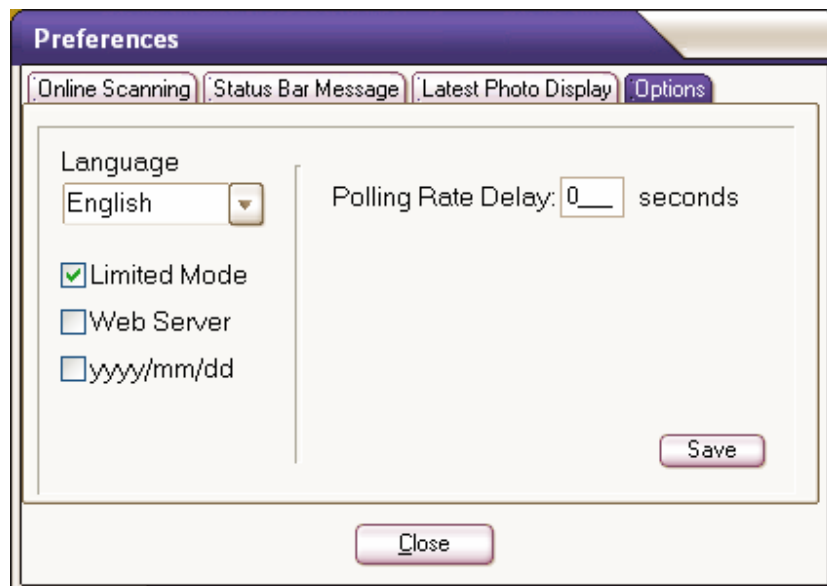
You may then select transactions that are relevant, for instance 'Invalid entry', 'Anti-pass-back alarm' or 'Wrong Time Zone' to trigger photo image display, using "Selective". "All" means display photo image whenever accesses occurs irrespective of transaction events. Mouse click on "Update" button to store changes made.

Note that input/output will not be directly relevant to cardholders in this context.

11.4 OPTIONS

You can change the display language in E.WIN, the available language is English, Chinese (GB), Chinese (big5) or Malay.

To set transaction rate polling delay, insert the value in second format inside the box as Figure below.



11.5 REPORT MENU

This function allows you to generate transaction report. You can choose the report based on your own set of selection by clicking on the Report Menu.

Parameter	Operation Description
Date/Time	To specify the date of the transaction that you want to retrieve and print out. The format is DD/MM/YYYY (date, month, year) You can also specify the time of the transaction that you want to retrieve and print it out. The format is HH:MM (hour, minute). 24 hours format is used, e.g. 5:00pm is 17:00
Sort Order	To specify the sorting order of the transaction in the report. There are 3 different sorting keys that you can specify. The sorting of reports will be in accordance with all the three sorting keys that you have identified, one after another.
Select Transaction	To choose the type of transaction to be printed in the report. Click on "Select Transaction" button and you will find 29 types of transaction as shown in Figure 12a. Check the transaction checkbox that you wish to print out reports.
Export	Export facility allows you to export transactions to text file and Excel file format. The exported file may be used by third party software packages for other usage. Click on "Export" button and Figure 12b appears

Parameter	Operation Description
View/Prints	This command enables you to View and Print the transactions.
Open History File	To select the transaction file for report generation. Click on this button to bring up the File Open dialog box as shown in Figure 12c. Highlight the file that you wish to print out and click the "OK" button.
Reader Filter	To print report for selected readers. Click on the drop-down arrow, you shall see a list of readers, select the reader of your choice.
Employee #	You can use the same steps as in defining Reader filter to specify the above filters.
Card #	
Name	
Department	
Position	

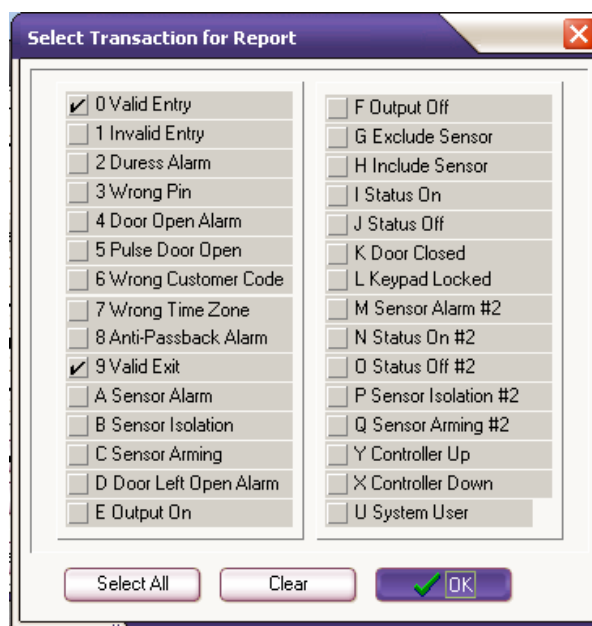


Figure 11a: Select Transaction Report

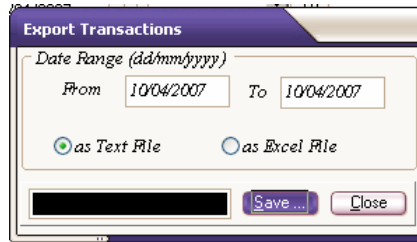


Figure 11b: Export Transaction

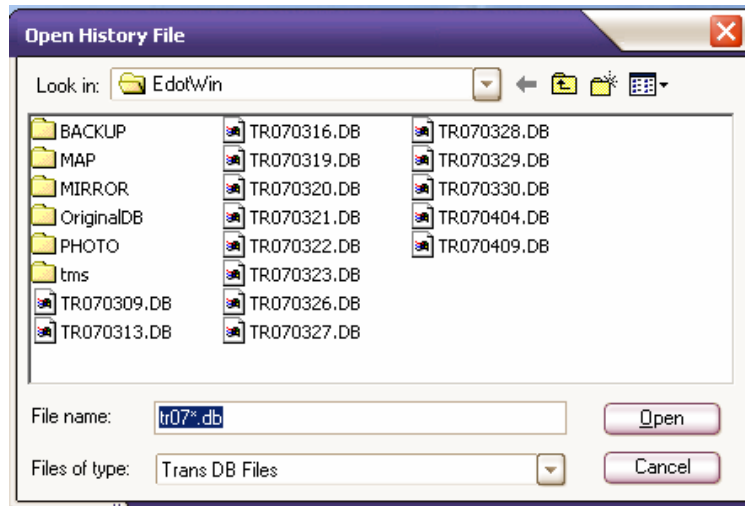


Figure 11c: Open History File

CHAPTER 12

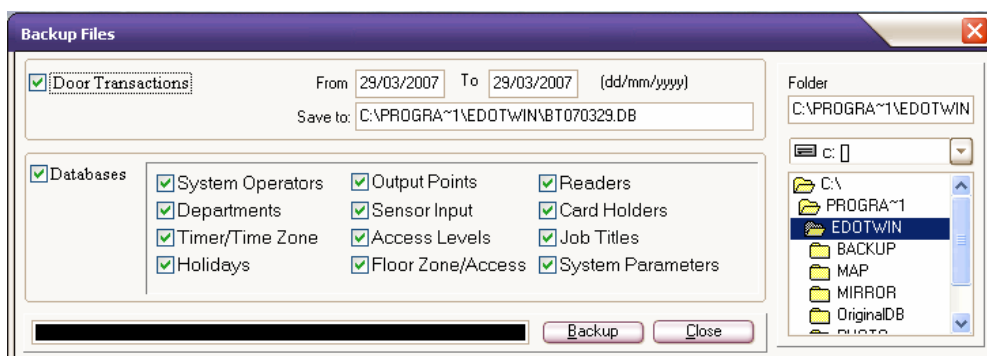
12.0 UTILITY COMMAND

Utility Commands perform housekeeping of System Databases. Commands provided include backing up of transaction and system data, as well as restoring them.

Backup	Reindex
Restore	System Information
Import Card	Audit Trail
Export Transaction	Area Trace
Change Password	Locate

12.1 BACKUP

Backup command is used to backup System Databases and Door Transactions. Call this command for the following form:



Operation

What to do

Backup Door Transaction

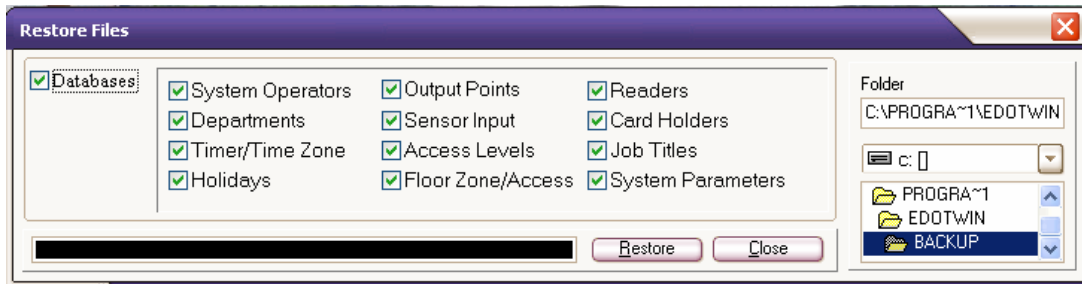
1. Check door transaction checkbox
2. Enter the data filter at the *From* and *To* text boxes.
Dates must be entered in DD/MM/YYYY format
3. Enter the backup file name at *Save To* text box.

Backup Database

1. Specify target disk drive
2. Select database name's check-box.
3. Click on the “**Backup**” button

12.2 RESTORE

This command is to Restore System Databases from the backup diskettes. Call the command for the Form as below:



Operation	What to do
Restore Database	<ol style="list-style-type: none"> 1. Specify the databases you want to restore from the backup or (select 'Databases' indicating all). 2. Specify the disk drive where the restoring files reside. 3. Click on the "Restore" button to start the operation.

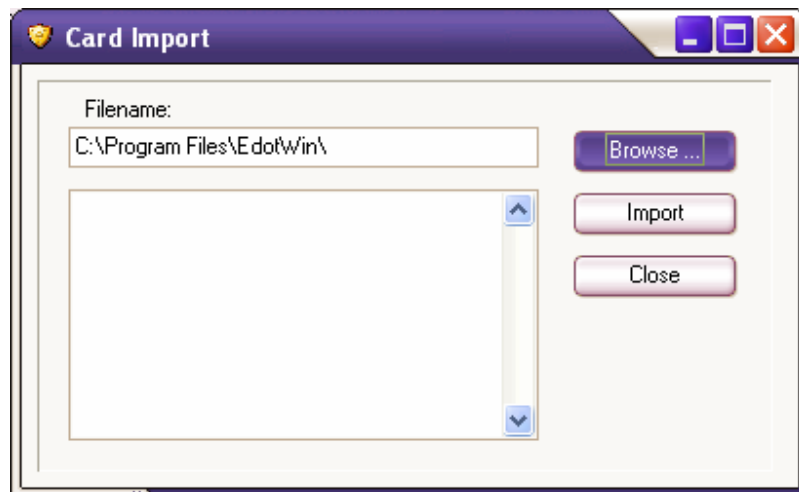
12.3 IMPORT CARD

Card database can be import from ASCII text file. The text file format is defined as below:

OC,SN,C,N,D,JT,M,P,AL,SD,ED

Code	Description	Length
OC	Operation Code (A=Add, D=Delete)	1
SN	Staff number	12
C	Card number	6
N	Name	20
D	Department	25
JT	Job Title	25
M	Miscellaneous (optional)	20
P	Pin (Optional)	4
AL	Access Level (Optional)	12
SD	Start Date (optional)	8
ED	Expiry Date (optional)	8

For example, A,T0001,038880,Johnson Lim,Marketing,Manager



12.4 EXPORT TRANSACTION

This command exports transaction records to an ASCII text file or excel file. Exporting of transaction records range can be specified by date range (see Figure 12a):

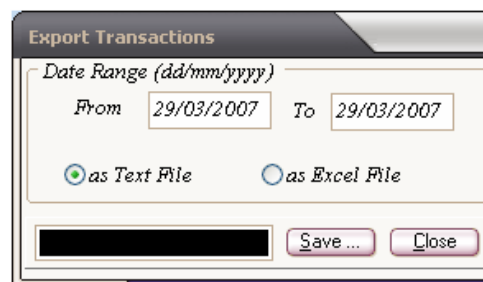


Figure 12a: Export Transaction

Operation	What to do
Export Transaction	<ol style="list-style-type: none"> 1. Enter start and end dates on the date range text boxes. 2. Select the File Format :- Text file or Excel file 3. Click Save button 4. Select folder to save the file 5. Enter file name and file type 6. Click Save 7. Click OK at the information pop-up screen

12.5 CHANGE PASSWORD

Each system user, identified by its User ID, has also a Password for protection. The password can be modified at any time by the command “**Change Password**” under the UTILITY MENU. The screen shown in Figure below appears.



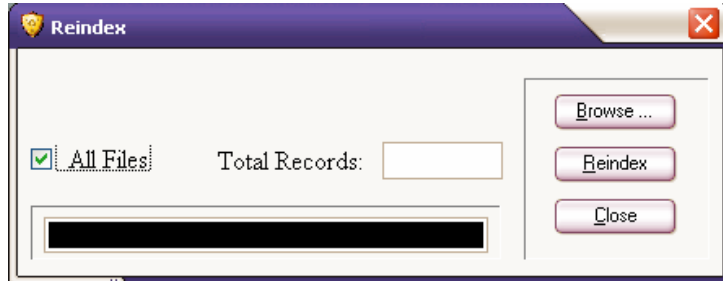
The image shows a dialog box titled "Change Password". It contains three input fields: "Old Password:" with a blue button to its right, "New Password:", and "Retype:". Each field contains six asterisks. At the bottom of the dialog is a "Close" button.

Operation	What to do
Change Password	<ol style="list-style-type: none">1. Click at the <i>Old Password</i> field and type in the current password2. Click at the <i>New Password</i> and key in new password3. Retype password at retype column4. Click OK at the Password Changed pop up screen



12.6 REINDEX

Click on **Reindex** button of the UTILITY MENU for the Form as below.



Under certain conditions such as very large database, frequent power failure or unstable power supply and severe environmental interference, the databases of access controls and cardholder can be corrupted. This would cause unpredictable effects. If this occurs, then carry out Reindex command to recover the database.

Operation	What to do
Re-index	<ol style="list-style-type: none">1. You can either select 'All Files' or specify only only a particular file using 'Browse' to locate the file2. Click on the 'Reindex' button to start the operation

Note: Reindexing does not include transaction records.

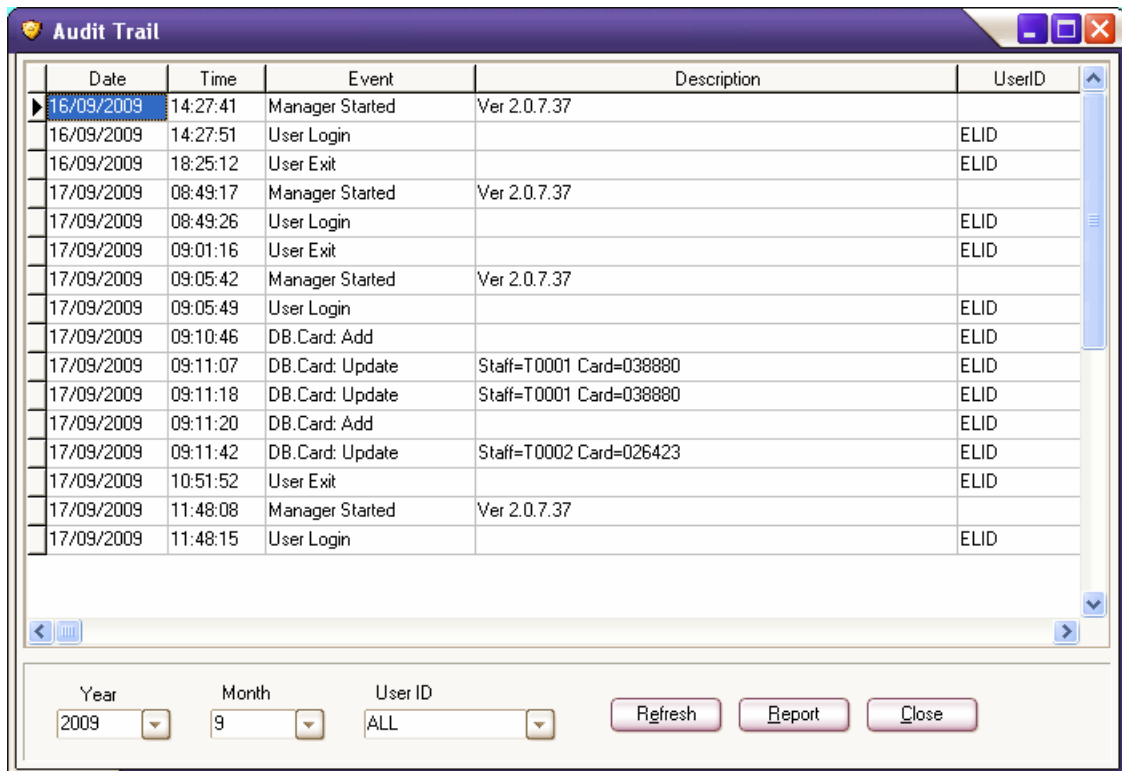
12.7 SYSTEM INFORMATION

Click on the **System Information** button of the UTILITY MENU for the following Form as of Figure below. This Form displays existing working directory of **E.Win**, available disk space, and size of Card Holder.



12.8 AUDIT TRAIL

User actions such as Pulse Door Open, Install card, Delete card, etc will be recorded auditing. The administrator can check who has issued command "permanent lock release", for example. Click on the **System Information** button of the UTILITY MENU for the following Form as of Figure below.



The screenshot shows a window titled "Audit Trail" with a table of system events. The table has five columns: Date, Time, Event, Description, and UserID. The data is as follows:

Date	Time	Event	Description	UserID
16/09/2009	14:27:41	Manager Started	Ver 2.0.7.37	
16/09/2009	14:27:51	User Login		ELID
16/09/2009	18:25:12	User Exit		ELID
17/09/2009	08:49:17	Manager Started	Ver 2.0.7.37	
17/09/2009	08:49:26	User Login		ELID
17/09/2009	09:01:16	User Exit		ELID
17/09/2009	09:05:42	Manager Started	Ver 2.0.7.37	
17/09/2009	09:05:49	User Login		ELID
17/09/2009	09:10:46	DB.Card: Add		ELID
17/09/2009	09:11:07	DB.Card: Update	Staff=T0001 Card=038880	ELID
17/09/2009	09:11:18	DB.Card: Update	Staff=T0001 Card=038880	ELID
17/09/2009	09:11:20	DB.Card: Add		ELID
17/09/2009	09:11:42	DB.Card: Update	Staff=T0002 Card=026423	ELID
17/09/2009	10:51:52	User Exit		ELID
17/09/2009	11:48:08	Manager Started	Ver 2.0.7.37	
17/09/2009	11:48:15	User Login		ELID

Below the table, there are three dropdown menus for filtering: Year (set to 2009), Month (set to 9), and User ID (set to ALL). To the right of these menus are three buttons: Refresh, Report, and Close.

Operation

What to do

Audit Trail

1. Select Year, Mont and User ID
2. Click Refresh button to refresh the data
3. You can also can click at the Report button to Print the report

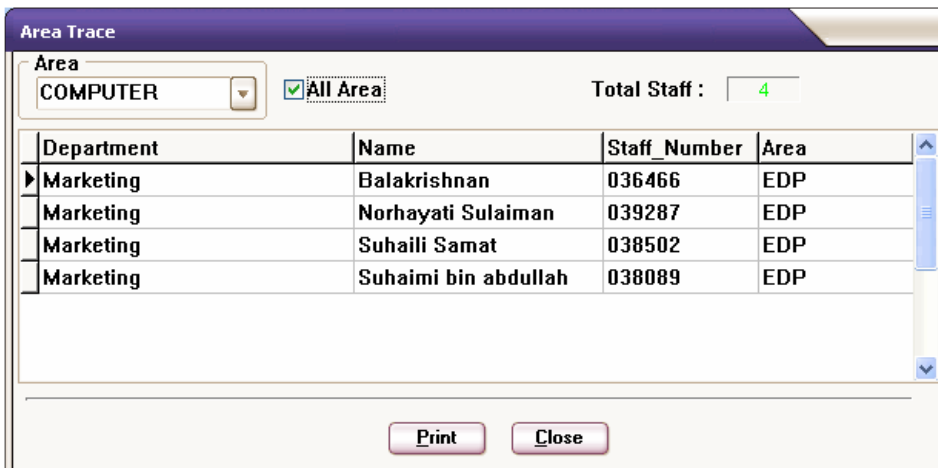
Once you click the Report button, the Figure as below will come out:

Date	Time	Event	Description	User ID
16.09/2009	14:27:41	Manager Started	Ver 2.0.7.37	
16.09/2009	14:27:51	User Login		ELID
16.09/2009	18:25:12	User Exit		ELID
17.09/2009	08:49:17	Manager Started	Ver 2.0.7.37	
17.09/2009	08:49:26	User Login		ELID
17.09/2009	09:01:16	User Exit		ELID
17.09/2009	09:05:42	Manager Started	Ver 2.0.7.37	
17.09/2009	09:05:49	User Login		ELID
17.09/2009	09:10:46	DB.Card: Add		ELID
17.09/2009	09:11:07	DB.Card: Update	Staff#T0001 Card=038880	ELID
17.09/2009	09:11:18	DB.Card: Update	Staff#T0001 Card=038880	ELID
17.09/2009	09:11:20	DB.Card: Add		ELID
17.09/2009	09:11:42	DB.Card: Update	Staff#T0002 Card=026423	ELID
17.09/2009	10:51:52	User Exit		ELID
17.09/2009	11:48:08	Manager Started	Ver 2.0.7.37	
17.09/2009	11:48:15	User Login		ELID

12.9 AREA TRACE

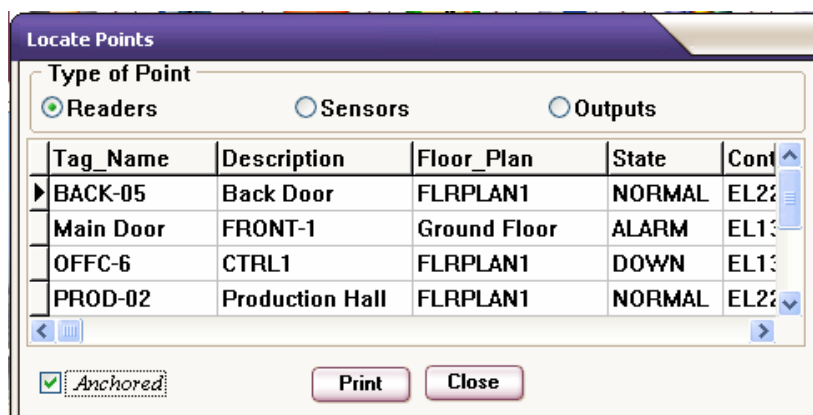
“Area Trace” command allows you to list down all Card Holders in a specific area. Click on this command and Figure as below appears.

Operation	What to do
Area Trace	<ol style="list-style-type: none"> 1. Select the desired area from the “Area” drop-down list box. 2. You also can select all area by check at the All Area check-box. 3. Click print to print out.




12.10 LOCATE

Click on this command and Figure below appears.



This screen displays the Readers Point, Sensors Point and Outputs Point. To view individual device, click on the appropriate name. For example if you select the “**Reader**” option button, all the tag name for readers would be displayed.

To locate a Reader, just double click on the particular Reader and the  sign will appear on the map. The sign will point to the Reader that you have requested.

The command “**Anchored**” is used to prevent the screen from moving to the bottom each time a device is being located. To still this particular screen just check on the Anchored checkbox.

CHAPTER 13

13.0 SENSOR INPUTS

This chapter includes the following commands:

Specifying Sensor Points

Defining Sensor (System *Designer* Screen)

Sensor Setting (Database Menu)

Sensor Input Control (Control Menu)

Most of the **ELID** Controllers provide Input Points. Please refer to the User Manual of the Controllers you are using to make sure of the number of provided Input Points.

Each points of a controller can be configured as either “**Status**” or “**Alarm**”.

A Status Point is one that merely monitors the state of input, usually a contact of open or close. The interpretation of the contact depends on the equipment used. It could mean for the high or low water level, ON or OFF of a pump, or high or low pressure.

An Alarm Point is one whose activation must raise alert to the system operator, for instance, a door being ‘forced open’. For such kind of points, **E.WIN** provides arming and disarming commands. When a point is disarmed, it means that it is not in use, and should not be expected to raise any alarm.

13.1 SPECIFYING SENSOR POINTS

It is necessary to specify the Sensor Points systematically. An example is shown below.

I. Alarm Monitoring

The installed reader, BACK-05 is connected to two alarm sensors. The first sensor monitors a roller shutter, by means of a reed switch. The second one is a passive infra red detector (PIR), which scans the production hall. Another installed reader, FRONT-01 is connected to a PIR, which monitors the foyer.

II. Status Monitoring

A status monitoring device of an oven (High / Low Temperature) and an air compressor unit (High / Low Pressure) are connected to a reader called PROD-02 in the production hall. A tester for monitoring power supply is connected to a sensor input of a reader called TEST03 in the testing room.

INPUT POINT MAPPING

READER TAG	MODEL	POINT#	POINT TYPE	PURPOSE	INPUT TAG
CTRL002	EL2200	1 2	Alarm Alarm	Roller Shutter PIR Hall	ROLL051 PIR1-052
CTRL003	EL2200	1 2	Alarm Not Use	PIR Foyer -	PIR2-011 -
CTRL004	EL1300	1 2	Not Use Not Use	--	--
CTRL005	EL1300	1 2	Status Status	Oven Temp Comp Air Pre	OVEN021 AIR-022
CTRL006	EL1300	1 2	Status Not Use	Power Supply -	POWR031

13.2 DEFINING SENSOR

Defining sensor is done in the *E.WIN System Designer's* screen. (Right-hander) Right click on the mouse, on the screen (of a particular site plan) for a pop-up menu. Select 'New Sensor' for the Form as of Figure below. It requires you to key in a number of parameters. The example below gives the entry for the first point 'ROLL-051'.

The screenshot shows a dialog box titled "Creating New Sensor" with the following fields and values:

- Tag Name: ROLL-051
- Description: Roller Shutter Sensor
- Logical Point #: 1
- Attach to Controller: Yes
- Controller Name: BACK-05
- Sensor Point #: 1
- Operating Mode: Alarm
- On text: Roller Shutter Open
- Off Text: Roller Shutter Closed

Key in the **Tag Name**. It will be helpful for you to key in tag that describes the sensor device to ease operation and informs the point's physical address to ease trouble shooting. Thus, the roller shutter is labeled as 'ROLL-051' because 'Roll' signifies Roller Shutter, '05' is the reader (controller) address, and 1 is the first sensor point. The **Sensor Point** number is incremental.

Next key in the **Description** -'ROLLER SHUTTER SENSOR'. **Logical Point #** is the physical address of the sensor, in this case, it is set at '01', relative to the connecting controller/reader. **Attach To Reader**, in this case should be 'YES' and the **Reader Name** is 'CTRL002'. **Sensor Point #** is the first point.

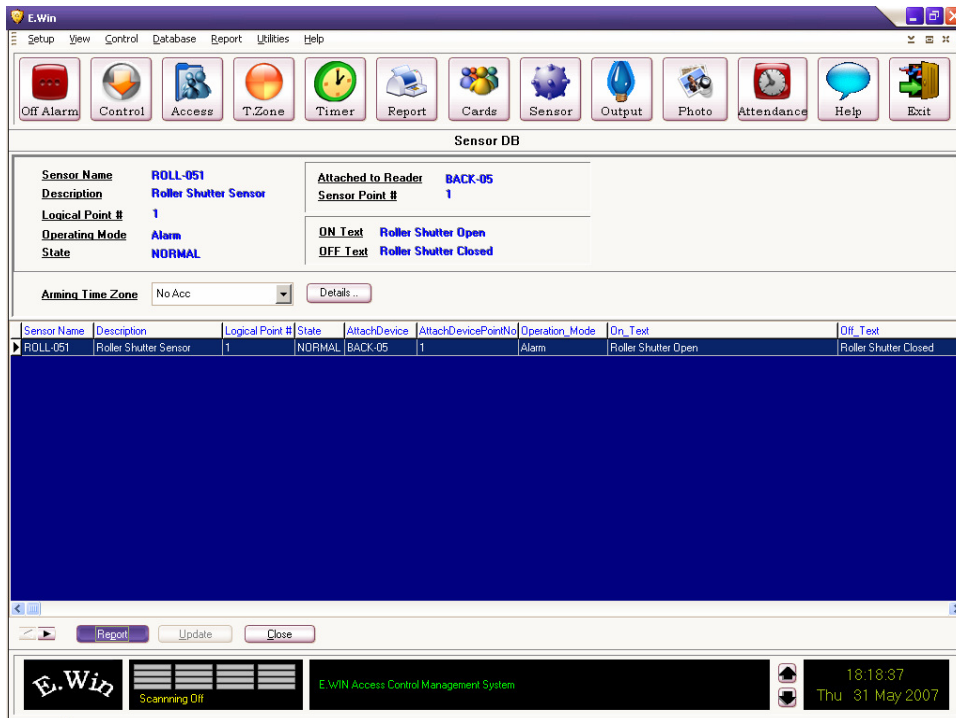
Operating Mode is either 'Alarm' or 'Status'. **On Text** and **Off Text** are the remarks that will appear on the screen when the point is activated or deactivated. In this case we use the words: '**Roller Shutter Open**', and '**Roller Shutter Closed**'. Upon completion of the setting, click "OK" to save and exit. Continue to enter in other Sensor Points defined in the table.

Note : Some of the settings relating to the hardware, such as the type of point [alarm/status/inhibit] and other settings [NC/NO contact] etc. have to be set in the individual controllers and not from the PC)

13.3 SENSOR SETTING

This command is found in the DATABASE MENU. Click on the Sensors sub-menu for the Form as showing below. The main purpose here is allowing you to change the sensor's disarming time zone. Other parameters of the sensor are not adjustable from this Form.

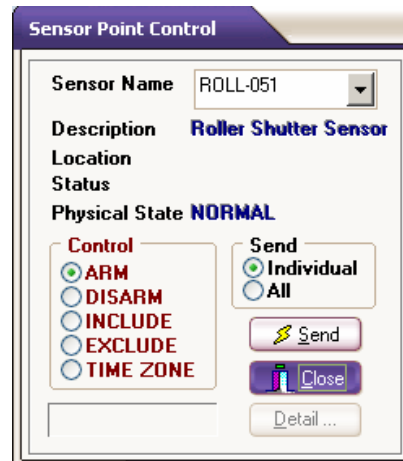
If a point is defined as an Alarm Point, then this point can be automatically armed only during a specified Time Zone. If the point is declared as a Status Point, then the Time Zone has no effect on the point.



Click on the **Arming Time Zone** field's down arrow and choose a relevant Time Zone. Click on the "Update" button to save the setting.

13.4 SENSOR INPUT CONTROL

This command is found in the CONTROL MENU. Click on the Sensors sub-menu for the Form as showing in Figure below. This command allows you to send Arm / Disarm or Exclude / Include command from the PC to the respective readers.



Click the down scroll arrow of the **Sensor Name** drop-down list box and a list of sensor will be displayed on the screen. Choose a sensor that you wish to control. Click on any of the 5 control radio buttons to be sent to the Sensor Point.

ARM meaning to activate a Sensor Point, and **DISARM** meaning to deactivate the Point. Setting ARM means overwriting the **Arming Time Zone** if the current operating time is not within the specified time zone. Similar concept applied to DISARM.

INCLUDE meaning to select a sensor point. This applies to both Alarm and Status point. **EXCLUDE** is to deselect the sensor point. This means permanently deactivate a sensor point until **INCLUDE** is being set.

The **Time Zone** command here is used if a sensor point is defined as an alarm point. Then this point can be automatically disarmed during the time frame that the time zone is active and armed during the period that the time zone is inactive.

Note that the Time Zone is defined under the sensor setting, which is found in the DATABASE MENU, Sensor sub-menu.

"**Individual**" means sending the Control command to the selected sensor. "**All**" means sending the Control command to all defined sensors. In the Send selection panel, you can either select sending to "**Individual**" Sensor Point or "**All**" Sensor

CHAPTER 14

14.0 CONTROL OUTPUTS

This chapter includes the following commands:

Specifying Output Points

Defining Output (System *Designer* Screen)

GP Output Setting (Database Menu)

GP Output Control (Control Menu)

Most of **ELID** Controllers provide Output Points. Please refer to the User Manual of the Controllers for the number of outputs provided.

These points may be set at the Reader unit (not at **E.WIN**) to function in the following manner.

- I. To be switched ON/OFF manually from a PC or locally from a Special Card or Master Card.
- II. To be switched ON/OFF automatically by a timer.
- III. To be switched ON/OFF automatically by certain input conditions (EL2xxx only). For EL2xxx, it is possible to activate the output with a pulse of defined on period. However, all these settings are done at individual readers and not at **E.WIN**.

14.1 SPECIFYING OUTPUT POINTS

It is first necessary to specify the output points systematically. An example is shown below.

a) PERIMETER LIGHT

This light is activated by an 8-day time zone in Reader CTRL002 located at the back door. The light will automatically switch on at night time, and switch off during day time. This point, is given the Output Tag as PERI-051. Where the first 4 character defines the nature of the control (for Perimeter light) which helps the system operator to identify the point when it appears on the screen. The 3 digits at the end defines the reader address and the point number. This is useful to the maintenance staff for trouble shooting.

b) FRONT DOOR ALERT BUZZER

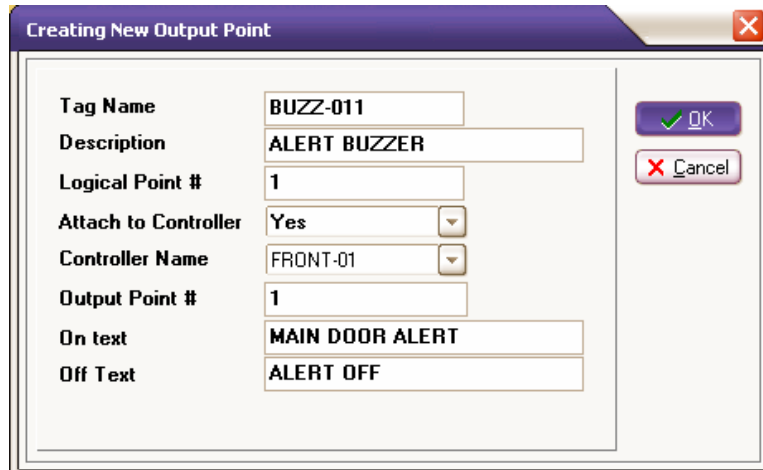
This Buzzer is linked to the front door reader. The purpose is to automatically turn on the buzzer for 30 seconds whenever the front door is left open, forced open or duress alarm is activated. This point is tagged as BUZZ-011.

OUTPUT POINT MAPPING

READER TAG	MODEL	POI NT#	TYPE	PURPOSE	OUTPUT TAG
CTRL002	EL2200	1	Timer	Perimeter Light	PERI-051
CTRL003	EL2200	1	Event	Alert Buzzer	BUZZ-011

14.2 DEFINING OUTPUT

Defining Output is done in the *E.WIN System Designer's* screen. Upon entering this command, a screen such as Figure 14a appears that requires you to key in a number of parameters. The example below gives the entry for the first point BUZZ-011.



Tag Name	BUZZ-011
Description	ALERT BUZZER
Logical Point #	1
Attach to Controller	Yes
Controller Name	FRONT-01
Output Point #	1
On text	MAIN DOOR ALERT
Off Text	ALERT OFF

Figure 14a

First hit the create key, and then key in the *Tag Name* as 'BUZZ011'. Key in the description as 'ALERT BUZZER'.

The *Logical Point #* is the physical address of the reader. *Attach To Reader* should be 'YES' and the *Reader Name* as 'CTRL002'. The *Output Point #* identifies the output point number in the reader, either Point '01' or Point '02'. In this case, it should be Point '01'.

Note :

EL2xxx controller has up to 6 output programmable points.

The *On Text* would be 'MAIN DOOR ALERT' and **Off Text** would be 'ALERT OFF'. This is mainly to help the system operator to identify what has happened each time this output turns On or turns Off, since the text associated with it will be displayed on the screen.

Upon completion of the setting, click "OK" button to save and exit. Continue to enter in the other Output Points defined in the Table.

Note :

This is set as a GP Point, therefore, commands such as OUTPUT DURATION and PATTERN are not relevant.

14.3 GP OUTPUT SETTING

This command is found in the DATABASE MENU, Output submenu. Click on this command and Figure 14b appears.

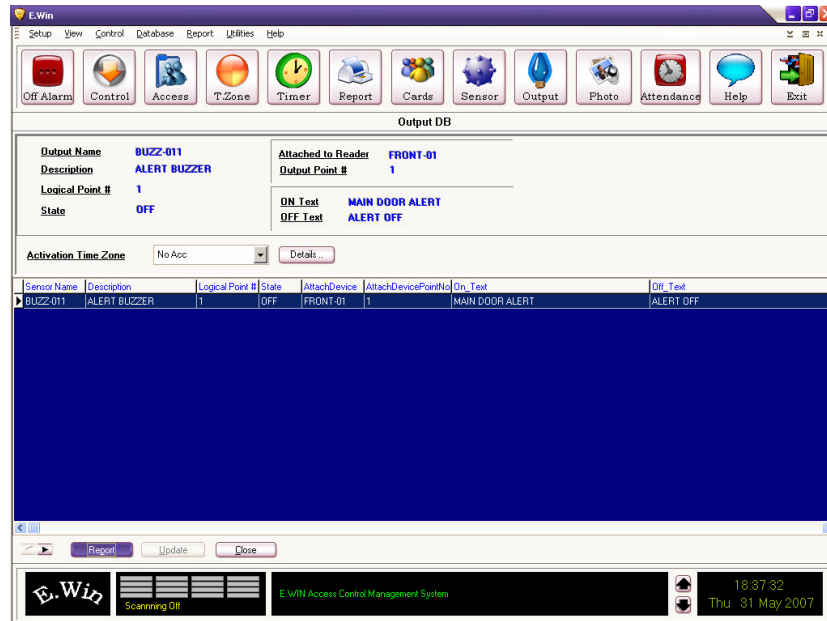


Figure 14b: GP Output Setting

This database only allows you to change the output timers. The other particulars of the output are not adjustable. To adjust other particulars of the output, you have to do it in the *E.WIN System Designer*.

When the time frame that the Time Zone is active the output point will be activated. During the period that the Time Zone is inactive the output point will not be activated. Upon entering this screen, click on the down scroll arrow of *Activation Time Zone* and a drop down list box will appear. Choose from the list the Time Zone for the Output point that you have selected. When done click at the “**Update**” button to have the new setting added into the database.

14.4 GP OUTPUT CONTROL

This command is found in CONTROL MENU, Output submenu. Figure 14c appears. This command allows you to manually turn on and turn off an Output point from the PC.



Figure 14c: Output Point Control

First you need to choose an Output Point to work on. Click the down scroll arrow of the *Output Name* drop-down list box and a list of Output will be displayed on the screen. Choose an Output point that you wish to control. Select the control action as either *ON* or *OFF*. If you are sending down output time zone, select *TIME ZONE* option. In the Send selection panel, you can either select sending to “**Individual**” output point or “**All**” output point. Finally, click the “**Send**” button to execute the command.

CHAPTER 15

15.0 MISCELLANEOUS COMMANDS

The following command will be described in this chapter:

- Acknowledge Alarm Button
- Printer Setup
- Communication Setup
- System Setup
- Help
- Logout
- Exit

15.1 ACKNOWLEDGE ALARM SETUP

This command can be found in speed bar. If you have selected the *Buzzer On Alarm* option, when ever there is an alarm such as Wrong Pin, Duress Alarm, Door Forced Alarm, the buzzer would be triggered and the PC would produce an alarm sound. This informs that something has gone wrong and an investigation should be conducted. Click on the Acknowledgment Alarm Button to silent the alarm. The Alarm Icon / Symbol on the site plan will be brought to normal upon acknowledgment.

15.2 PRINTER SETUP

This command is used to set up the printer that you want the report to be printed out. To get into the Printer Setting, click on the SETUP > Printer Setup and Figure 15a appears.

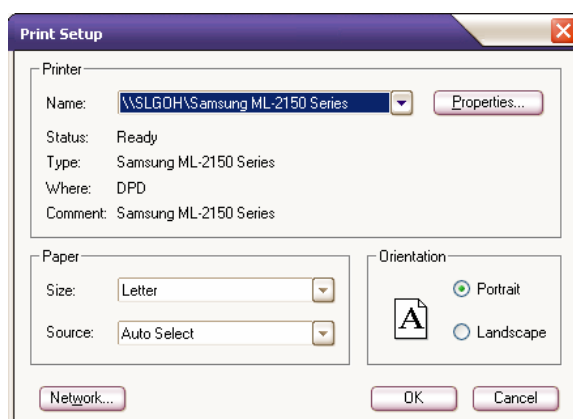


Figure 15a: Printer Setup

This printer setup is a normal standard Windows printer setup. Please refer to Windows Operating System reference manual on how to configure printer setup.

15.3 COMMUNICATION SETUP

To get into Communications Setting, click on the Setup>Communication Setup and Figure 15b will appear.



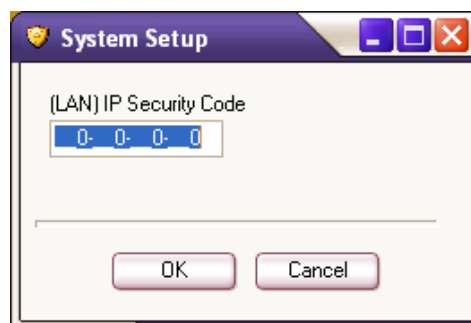
Figure 15b: Communication Setting

Operation	What to do
Communication Setup	<ol style="list-style-type: none">1. Click at the Comm Port drop down list to select communication Port2. Click at the Baud Rate drop down list to select baud rate3. Click at the Interface Type drop down list to select Communicator type.4. Click Update button to save the setting.

Note: This command is to be used by the installer or authorized personnel. Wrong setting may cause the system to malfunction.

15.4 SYSTEM SETUP

This command allow use to set the IP security code for encryption mode which is only applicable to IP controller that support data encryption. E.WIN will auto configure the software to run in encryption mode if E.WIN detected there is IP controller which supported encryption in the system. There are 4 sets 3-digit code to be set and each set of number can not exist 255. Please note that the security code must be match with controller security code in order to allow communication between controller and software.

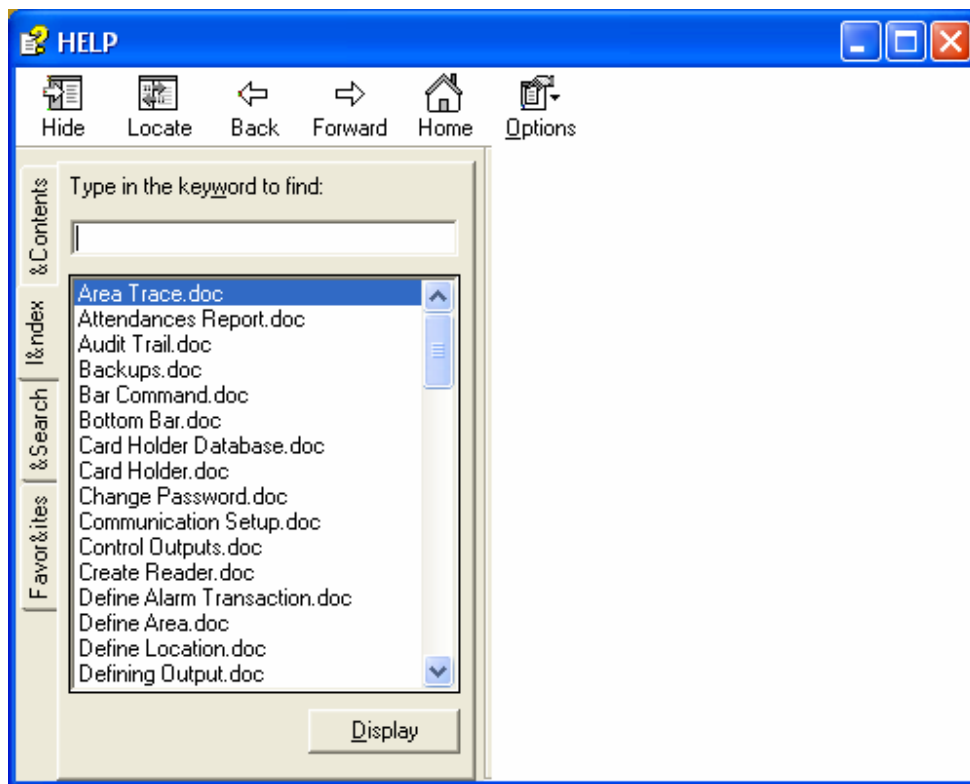


15.5 HELP

The HELP command in **E.Win** is a convenient and quick way to look up for information about a task that you are performing or a feature that you would like to know more about. To enter into this screen click on HELP MENU.

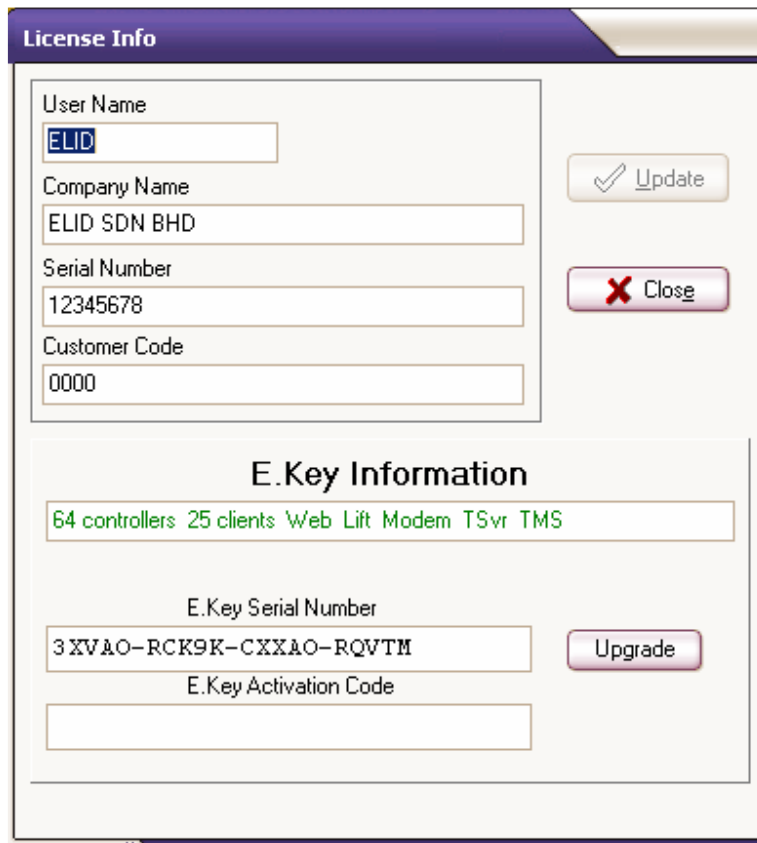
15.5.1 Content

Under the HELP MENU, click on the Contents sub-menu. Figure as below appears. Alternatively you could also click on the Help icon in speed bar. Upon entering this screen, just click on the topics that you wish to view. Words or sentences that are highlighted, indicates that you can click on it to have further information.



15.5.2 License Info

This command displays the License Information for the **E.WIN** program. Click on this command and Figure below appears.



When you first start using **E.WIN**, you are encouraged to activate the license.

To perform this, key in the *User Name* of the software, the *Company Name*, *Serial Number* of the software as stated on the disk label and the *Customer Code* as assigned or gives by the installer. The E.Key serial number will be automatically detected by software and show in the screen, you will obtain the E.Key activation code from ELID when you purchase the software license, please enter the activation code and click 'Upgrade' to activate the license key. Otherwise, the software will be expired in 60 days.

15.5.3 About

Click on this command and Figure 16.5 appears. This screen displays **E.Win** version number as well as the model number. This screen is only for preview, no editing is effective.



15.6 LOGOUT

The command LOGOUT from the Setup Menu allows you to go offline without closing the *E.Win* program. Click on this command and Figure 16c appears.



Figure 15c: Logout

You are required to key in the password. Once you have keyed in the password, the screen will remain as it is. This is to logout from the system temporarily. All the functions would be deactivated. You are not allowed to cancel or exit from this screen.

In order to log on into the system you are required to enter the password. This command is useful especially when you are required to be away from the system for a while.

15.7 EXIT

To exit from the *E.Win* Managers' screen you could click on the Setup>Exit to obtain Figure 15d then key in the password to exit.



Figure 15d: Exit E.Win