

# Production Display Board software

## Version 2.0

Developed by: NUTRONICS

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## Software

Software is an integral of the production display or you can say software is the brain of the entire system. This will not work without software. So, it is important to understand software.

The software manual is organized in following sections:

- Installation of the software
- Configuration of the software
- Operation on the software
- Export of software data to other software.

## Installation

The process of loading the software on computer is called software installation. Before installing the software it is important to note that computer has following minimum requirements:

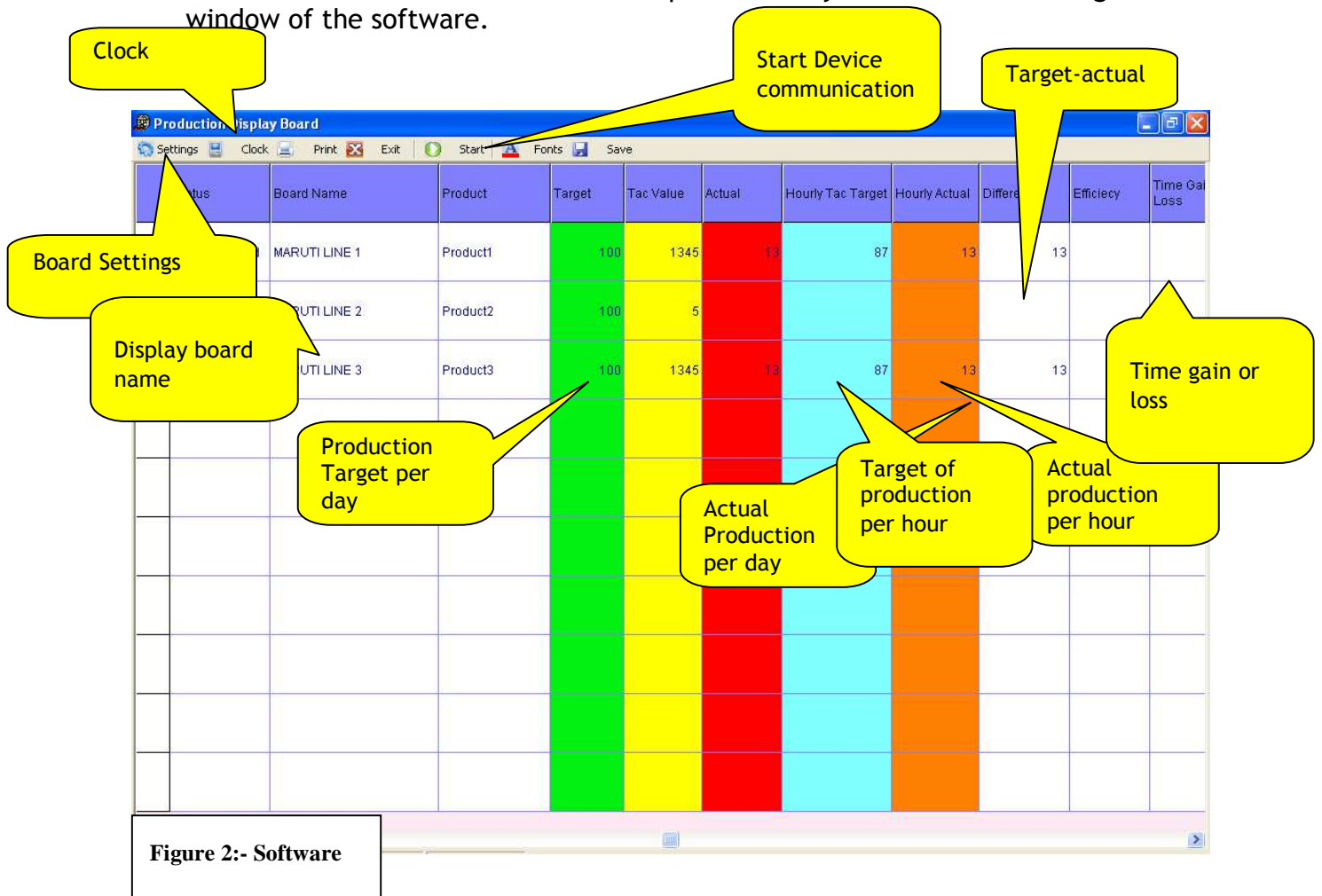
1. Computer with Pentium 4 processor, 1 GB RAM, 500 MB free space for software installation and 1 GB Free hard disk space for software running.
2. The software is perfectly tested on windows 2000 Profession and XP with service pack 2.0 and 3.0. Hence it is observed that it can be installed on windows 95 and other flavors of windows yes you need following extra components to be loaded on those computers:
  - a. MDAC 2.8
  - b. DCOM for Windows 95/98
  - c. Above software are free and can be downloaded from <http://www.microsoft.com>.
3. One DB9 RS232 Serial port free to connect the device.

Loading the software on the Computer is very easy. Just insert the CD into the CD Drive and locate either Setup.exe or Setup. MSI and double click on it. Just provide the information asked by the installation wizard and software is ready. Note: - if you don't understand just press next button on the screen would install the software to default location on your computer. Followings are the default location:

1. "C:\program files\PDS2.0" is the path where your software is installed.
2. "C:\program files\PDS2.0\data" is the path where your data will be saved.
3. "C:\programfiles\PDS2.0\Server.cfg" is the main file where all software settings are stored.
4. "C:\program files\ PDS2.0\data\data.mdb" is the default data file.
5. You can open the "C:\program files\PDS2.0\Server.cfg" using notepad windows standard program to update the data settings.
  - a. You will find DATA=data\data.mdb line by default.
  - b. You can change this to your desired location and file name.
  - c. Just make sure that the path you have changed is exists and data.mdb file is copied and renamed with name you have given.

## Software Configuration

Just click on the start button and you will find on the PDS2.0 Icon. On click it software start running. If your computer does not have com1 it will give error that “Com1 is not found on the computer” and you will see following main window of the software.



## Device Setting Password scheme

Device Setup password = day X 2 month X 3 i.e. say today's date is 08/08/08 then pwd is 1624 and on next day pwd is 1824.

Local password = 127 or 130

### Setting(Board Setting)

At board setting have many options

1. File new
2. Open File
3. Interval Setting
4. Target Setting
5. Device Setting
6. Column Setting
7. Reset Board ---Reset current production  
Reset tac value  
Reset tac and production
8. Set Production Board
9. Cancel Option

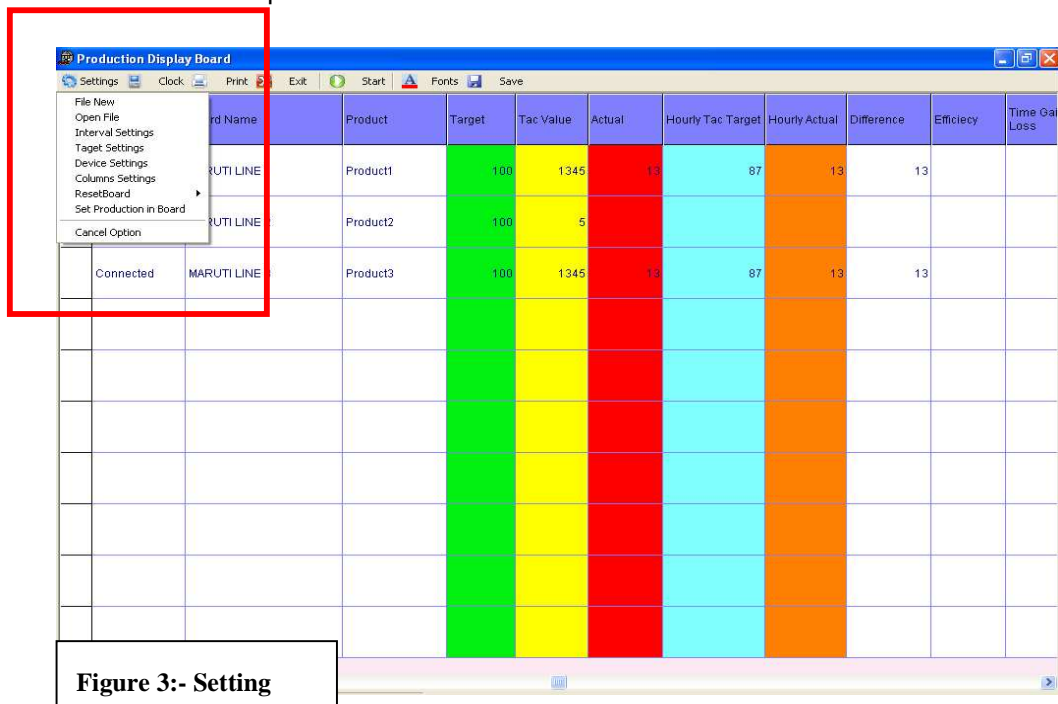
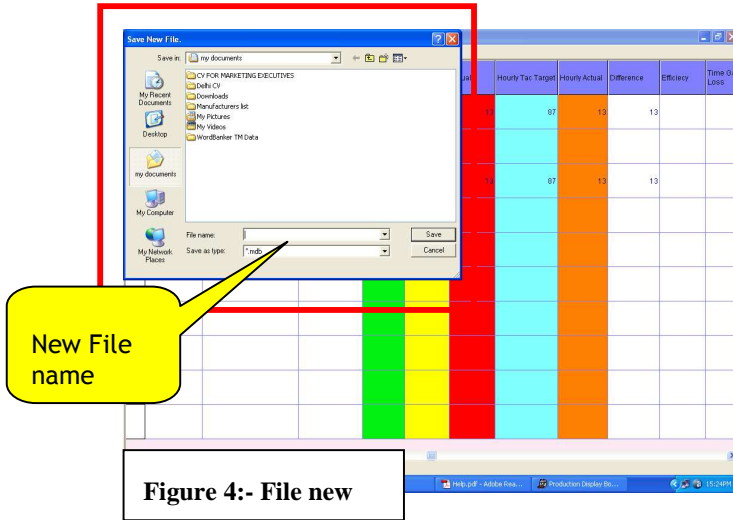


Figure 3:- Setting

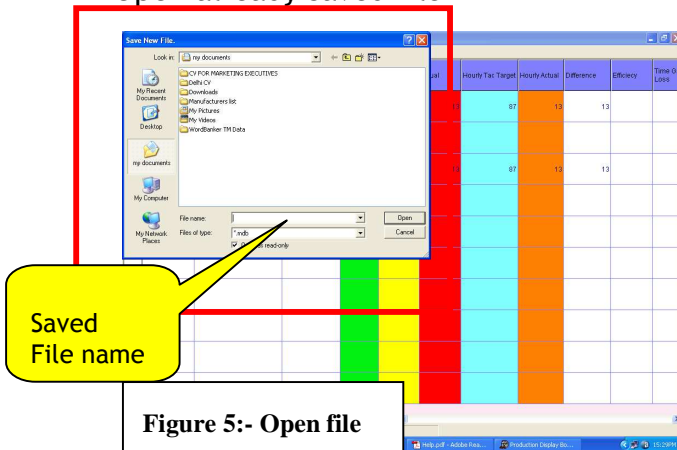
## File new

Open new file



## Open File

Open already saved file



## Interval Setting

Interval setting shows working time and interval time on board. Means what time staff starts doing work, finish work, take Break.

After clicking on interval setting open password window. Give password according to Device Setting Password scheme

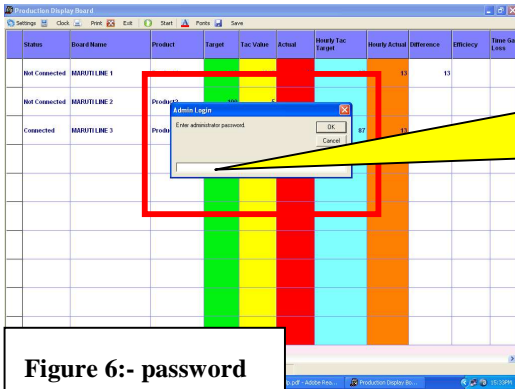


Figure 6:- password

ok → open window like figure 7

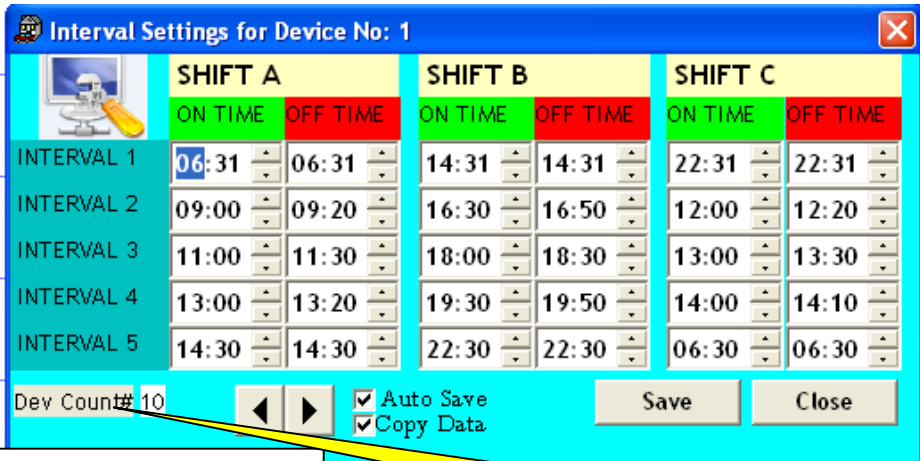


Figure 7:-Interval Setting

Device count available



- Suppose, A company works in shifts A,B,C.
- Interval -1 as starting time is 6:31am
- Interval -2 as tea interval on at 9 am and off at 9:20am
- Interval -3 as lunch interval on at 11 am and off at 11:30am
- Interval -4 as again tea interval on at 13 pm and off at 13:20 pm
- Interval -5 as shift finish time at 14:30 pm an so an for all shifts

### Target Setting

After clicking on target setting, open password window. Give password according to Device Setting Password scheme

Target setting shows target of various shifts on board. Means

- how many product made in various shift(Target)
- one product made by how much multiplier(Count multiplier)
- take time for make one product in millisecond(Tac time)  
eg. If one product complete in 40 sec  
then in milliseconds =  $40 * 1000 \text{msec}$

|                     | SHIFT A | SHIFT B | SHIFT C |
|---------------------|---------|---------|---------|
| Count Multiplier    | 0       | 0       | 0       |
| Target              | 0       | 0       | 0       |
| Tac Time (Mili Sec) | 600     | X 10    |         |

Figure 8:- Target Setting

Save Close

## Device Setting

These device settings are controlling the behavior of Load Monitor device.

- Com Port = number (1-99) DB9 connection number on the computer.
- Device count= No. of Device connected to one communication port.
- Scan Interval = Duration of the channel to scanned
- Re try Count= Send no. of command Incase no response from device of a given command then send same command again.
- Re-Try interval = Duration to accept command, Incase no response from device of a given command then send same command again.
- Storage interval = No of time value would be stored within given scan interval.



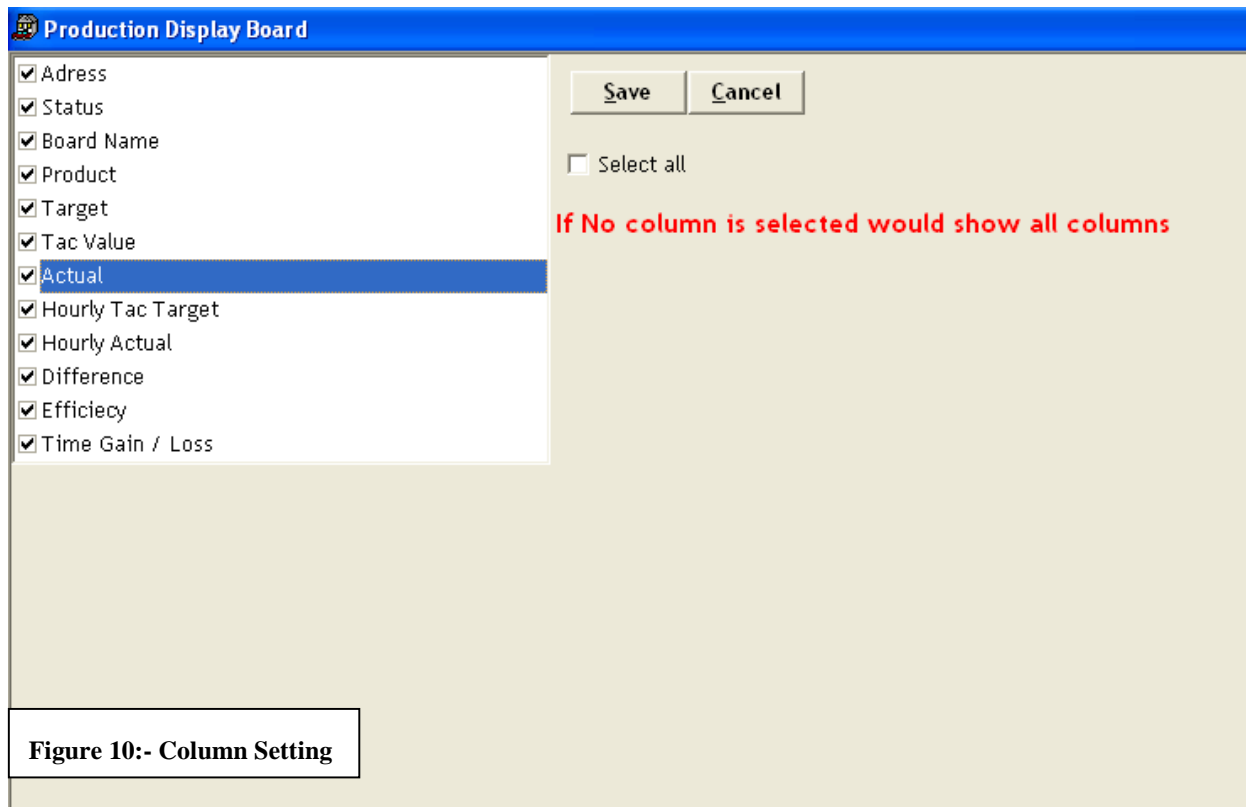
The screenshot shows a 'Device Settings' dialog box with a blue title bar and a close button. The dialog contains six input fields with the following values: Com Port (1), Device Count (10), Scan Interval (1), Re-Try Count (3), Re-Try Interval (1), and Storage Interval (10). At the bottom of the dialog are 'Save' and 'Cancel' buttons.

| Setting          | Value |
|------------------|-------|
| Com Port         | 1     |
| Device Count     | 10    |
| Scan Interval    | 1     |
| Re-Try Count     | 3     |
| Re-Try Interval  | 1     |
| Storage Interval | 10    |

Figure 9:- Device Setting

## Column setting

Select option which you want to display on board



Suppose u have selected only 5 point

Address

Status

Board name

Product

Target

Then save. After saving your screen shows only 5 column

The screenshot shows a software window titled "Production Display Board". The window has a menu bar with "Settings", "Clock", "Print", "Exit", "Start", "Fonts", and "Save". Below the menu bar is a table with 5 columns: "Adress", "Status", "Board Name", "Product", and "Target". The "Target" column is highlighted in green. The table contains 3 rows of data and 7 empty rows.

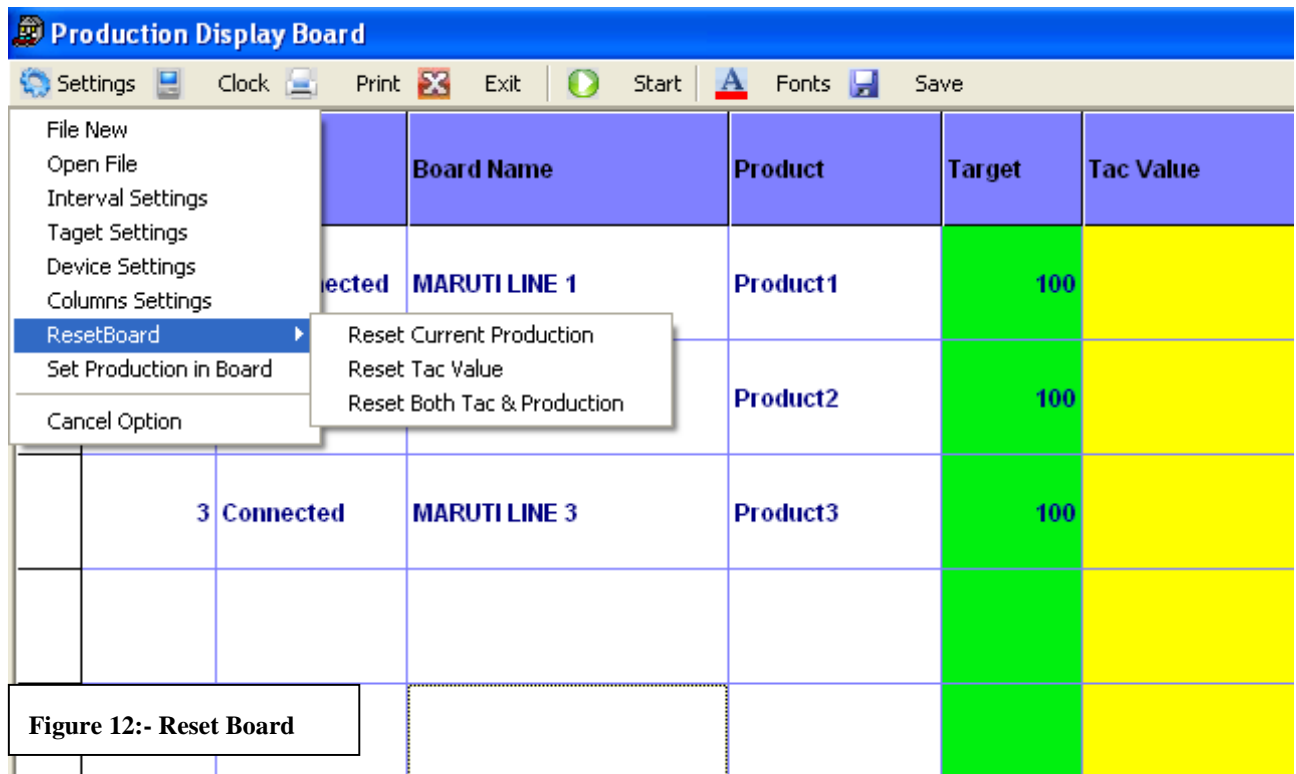
|  | Adress | Status        | Board Name    | Product  | Target |
|--|--------|---------------|---------------|----------|--------|
|  | 1      | Not Connected | MARUTI LINE 1 | Product1 | 100    |
|  | 2      | Not Connected | MARUTI LINE 2 | Product2 | 100    |
|  | 3      | Connected     | MARUTI LINE 3 | Product3 | 100    |
|  |        |               |               |          |        |
|  |        |               |               |          |        |
|  |        |               |               |          |        |
|  |        |               |               |          |        |
|  |        |               |               |          |        |
|  |        |               |               |          |        |
|  |        |               |               |          |        |

**Figure 11:- Column Setting**

## Reset Board

For reset the board to zero

1. Reset Current Production=Reset the current production value to 0
2. Reset Tac Value= Reset the tac value to 0
3. Reset both Tac and Production= Reset the both tac and current production value to 0



After clicking any option, password window is open  
Password= 130

### Set Production in board

To set the value of current production and tac value on board  
After clicking on set production in board, password window is open.  
Password=130

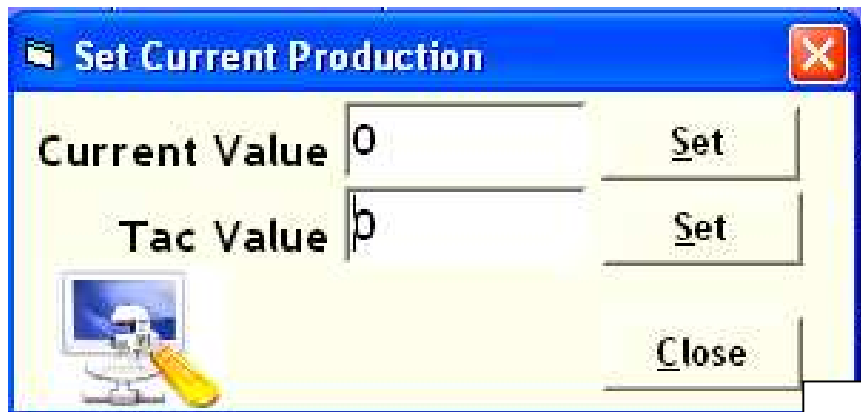


Figure 13:- Set production I board

### Clock

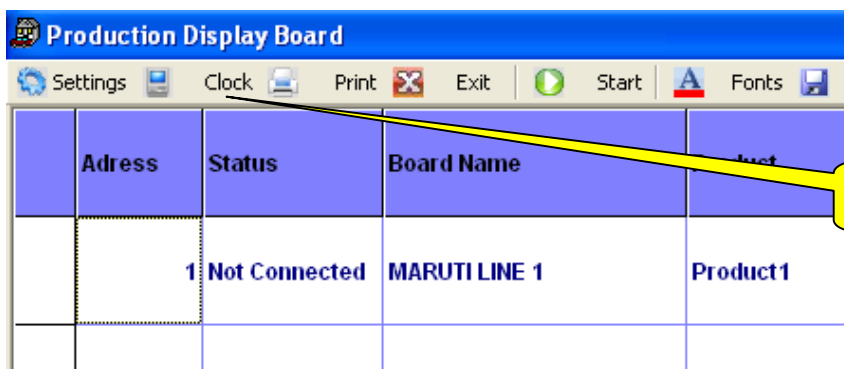


Figure 14:- Clock

To set the clock time and date on the board  
Password=127



Figure 15:- clock

### Print

To print the whole data chart

Time and date from

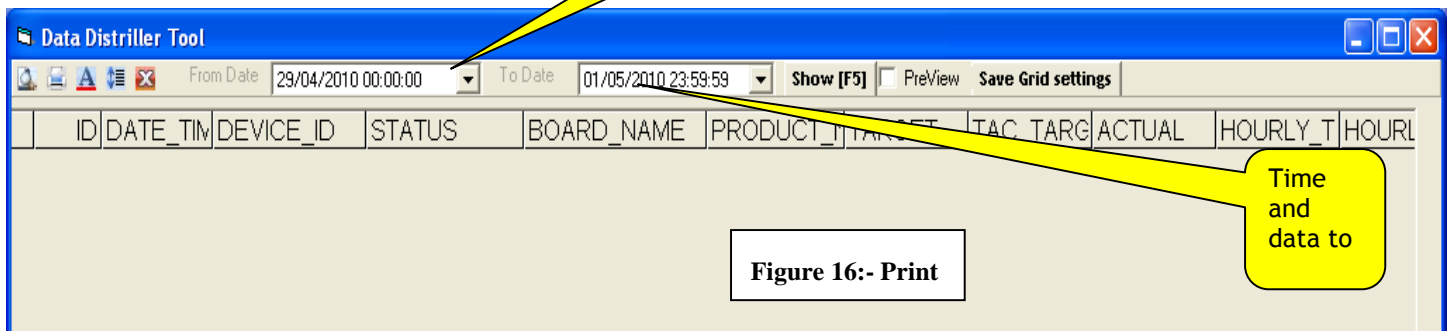


Figure 16:- Print

Type data and time which you want to print the data

| Adress | Status        | Board Name   | Product  | Target | Fac Value | Actual |
|--------|---------------|--------------|----------|--------|-----------|--------|
| 1      | Not Connected | MARUTILINE 1 | Product1 | 100    |           | 1345   |

Figure 17.:- Software

## Support

Paid telephonic service can be obtained by 9:00-17:00 IST for the software.

Email at

[support@nutronicsindia.com](mailto:support@nutronicsindia.com)