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# Prepared By Name

Prepared for

Prepared by information will print at the top right of the circuit directory.

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# Raceway

Insert Special Character

Information about the raceway feeding the panel. This may be a pipe size or a cable type.

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# Breaker Type

Plug in OR bolt on type circuit breaker or any special characteristic about the breakers such as, shunt trip, frame size, Solid state, Manufacturer catalog number, AC or DC rated, Heavy duty, Normal duty, Current limiting, Surge arrestor, SWD or any information. This field will hold up to 20 characters.

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# Mounting Method

Mounting method used such as surface or flush. Other useful information with respect to the mounting method is the location of exit on the panel. For example a line such as (Flush - top exit only). This field will hold up to 20 characters.

If more space is required than the field has available, a short form such as (Flush - t exit only) could be used. In addition each record has two headers and one footer that could be used as a legend of abbreviations.

Ex: t exit only = conduits or cables can connect on the top of the panel only.

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# Main Breaker or Fuse Size

Ampere rating of the main breaker OR fuses. In some cases this may be different than the ampere rating of the panel. An example would be a panel ampere rating of 400 amps with a main breaker size of 250 amps. This field will hold up to 20 characters.

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# Manufacturer

Information about the manufacturer of the panel. This becomes useful when examining the panel characteristics at the computer. This field will hold up to 20 characters.

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# Conductor Size & Type

Information about the conductors, or cable feeding the panel.

Ex: #2 Cu THHN

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# Fed From Location

Information about where the panel is fed from. This could be another panel in a different electric room (Ex: Panel HVDP3 Rm 227) or for a single family dwelling it could be (Ex: Outside meter). This field will hold up to 20 characters.

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# RMS, AIC Rating

RMS, AIC rating of the circuit breakers or fuses.

The current interrupting rating is expressed in rms symmetrical amperes. It is the maximum current the breaker can be expected to safely interrupt. UL requires all circuit breakers to be so marked with their proper ratings.

Some typical UL interrupting ratings for molded case circuit breakers (120 to 600 volts) are 10,000 - 14,000 - 18,000 - 22,000 - 25,000 - 30,000 - 35,000 - 42,000 - 50,000 - 65,000 - 100,000 - 150,000 - 200,000. This field will hold up to 20 characters.

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# Grounding Information

Information about the panel grounding such as wire type, size, or method. This field will hold up to 20 characters.

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# Notes for This Record

Any information. This is for the benefit of the circuit directory designer. The notes information will not print on any reports. This is the only location that information can be stored that will not print on a report.

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# Header - Footer

List information that you want printed at the top of a circuit directory with the header fields or at the bottom for the footer field. This field will hold up to 80 characters.

**This could be:**

1. Instructions to follow when making changes in the directory.
2. Instructions to follow when de-energizing a circuit.
3. Emergency information or instructions.
4. Advertising for your company.
5. Circuit information for a sub main breaker.

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# Browse Records

Display a grid showing the records in ascending order based on the current index. Panel has three indexes.

**The indexes are:**

1. Prepared for Name
2. Panel Name
3. Panel Location

The default index is the Prepared for Name index. If the index is changed the index on the next session will be the index that the application terminated with.

# Wire

Information about the electrical system. Generally 3 or 4 wire systems.

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# Circuits

The circuits field defines the size of the directory that will be created. A value of 42 is the maximum value this field can accept. The circuits number is used by the directory definition file to construct the directory in software. A entry in the circuits field is required to produce a report.

A directory numbering format can be from 43 to 84 with a value of 42 in the circuits field. This will build a 42 circuit directory numbered from 43 to 84.

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# Phase

Phase of the system. Generally 1 or 3 phase.

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# Panel Volts

Voltage that the panel is operating at. Some typical systems are 120/240, 208Y/120, 240, 480Y/277, 600

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# Panel Amps

Information about the ampere rating of the panel. In some cases this may be different than the ampere rating of the main breaker or fuses.

An example would be a panel ampere rating of 400 with a main breaker size of 250.

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# Printed Directories

## **Directories can be printed in:**

Boxed style 8 font  
Boxed style 9 font  
Boxed style 10 font

Single column format  
Quick listing of all records

Field form numbered 1 to 42  
Field form no-numbers. Used for a custom numbering format.

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# Print Field Form

**Print a data entry form that is used to gather field information:**

1. Print a field form numbered from 1 to 42
2. Print a field form with no-numbers that is used for a custom numbering format.

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# Select an Index

Records are displayed in ascending order based on the current index. Panel has three indexes.

**The indexes are:**

1. Prepared for Name
2. Panel Name
3. Panel Location

The default index is the Prepared for Name index. If the index is changed the index on the next session will be the index that the application terminated with.

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# Prepared for Name

## Prepared by information

The Prepared for Name field is an indexed field. When the index is set on the Prepared for Name the records will be sorted in ascending order based on the information in the Name field.

The prepared for information can be used in two ways. When used by an electrical contracting firm the customer information such as name address etc.

In the case of a large facilities this could be a building name or number, a floor or any format that is appropriate.



# Panel Name

The Panel Name field is an indexed field. When the index is set on the Panel Name the records will be sorted in ascending order based on the information in the Panel Name field.

This field will hold up to 40 characters. A double description is easily achieved.

(Ex: HVLP-3 Third floor Lighting)

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# Panel Location

The Panel Location field is an indexed field. When the index is set on the Panel Location records will be sorted in ascending order based on the information in the Panel Location field.

This field will hold up to 40 characters. This type of information is mainly useful when analyzing panel information from the office.

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# Copy this Record to a New Record

A time saving command that will copy the prepared for, prepared by, header and footer information of the current record into a newly created record.

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# Database File Repair or Compact

A repair utility that can be used to repair a database file that may have been damaged, such as loss of power that occurred during a database read or write operation.

A Compaction utility can be used to compact a database file. When a record is deleted it is removed from view, however the disk space used by the deleted record is still part of the database file. The compaction utility recreates the database file with valid records only thus saving disk space.

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# Circuit Numbers

## **Time saving commands:**

Clear circuit numbers will clear all fields to allow a custom numbering scheme.

Circuit numbers 1 - 42 will place numbers 1 thru 42 this is the most common format.

Circuit numbers 43 - 84 will place numbers 43 thru 84.

Single column will start on the left and number 1 thru 21 on the left and 22 thru 42 on the right.

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# Obtaining Technical Support

**Technical support is free.** Four methods of support are available.

- **E-mail**
- **Fax**
- **Phone**
- **Mail**

**The preferred method is to E-mail or Fax.**

**1. E-mail [105102.3663@Compuserve.com](mailto:105102.3663@Compuserve.com)  
Internet [Internet:105102.3663@Compuserve.com](mailto:105102.3663@Compuserve.com)**

**2. Fax. Call 1-603-893-9008**

**3. Phone. Call 1-603-893-9008  
Monday thru Friday 5 to 8 PM.**

**4. Mail. Electrical Design Software  
12 Vassar Drive  
Pelham, NH 03076**

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# Circuit #, Description & Size

## Auto Insert Breaker Size

### **The circuit number field:**

This field will hold any numbering or alphanumeric format that is used and will hold two characters. Ex: 1, 2, 3 or 1a, 1b, 2. When using a different numbering format than the default a quick insert feature is available called Auto Insert Circuit Numbers OR use the Quick Insert utility to make data entry quick and easy.

### **The description field:**

This field will hold up to thirty characters. For efficient data entry use the Quick Insert utility. When printing an 8 font directory with a description that is 30 characters long the description may be cut on the printed directory. This depends on the specific characters in the description, for example 30 i's will have less width than 30 w's. The reason for this is to have the ability to print a smaller directory if the room is not needed.

### **The size field**

This field will hold up to eight alphanumeric characters. For efficient data entry use the Quick Insert utility

# About Electrical Design Software

Electrical Design Software is a small company located in southern New Hampshire. Our mission is to produce quality software for the electrical industry at a reasonable price. Our goal is for customer satisfaction. All software products come with an unconditional guarantee or a full refund. You must be satisfied! The goal for Electrical Design Software is to make sure people using any EDS programs feel they have received a very useful tool at a very good price.

My name is Brian. Software programming is a hobby since 1992. I find it very enjoyable, especially the people I get to talk to from all over the USA and sometimes the world. I have been in the electrical industry for 25 years. It is the only profession I ever had and the only one I ever want. I see the electrical industry as a dynamic high technology field that is essential in every aspect of our world today and especially into the future.

Thanks for your interest in Electrical Design Software. We are committed to serving the electrical industry. We will continue to work hard to become a company crafted by the needs and demands of those in the electrical industry.

Sincerely, Brian

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## Convert ver 2x data to 3.x

This utility is for users of Panel 2.0 or 2.1 for DOS. The utility will take the file "Panel.Mdb" extract each record from the DOS database file and display a selection box to import the desired records into Panel 4.x.

When installing Panel 4.5 for Windows, it is recommended to install into the same directory as the DOS version. The reason is the version 2x database file Panel.Mdb must be in the same directory as Panel 4.5 to import 2x data into 4.5

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## Insert a number in the size fields

Select this feature to quickly insert a number in all the size fields. Example: many lighting panels are filled with 20 amp single pole breakers. This utility will save the trouble of typing 20 in the size fields for 42 fields.

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# Grid Display

With the grid display multiple records are quickly analyzed. The button in the "Prepared for Name field will send a record to the printer for a quick print using the default directory style.

Data in the grid can be changed. When a change has occurred a pencil will display at the left column. When a move to another record occurs the new data will write to disk.

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# Print Options

## **To Produce a report:**

1. Select a destination, the printer or a preview window.
2. Place a check mark by each report to produce.
3. Press the send command button.

When multiple reports are selected by placing a check on each directory or report to produce, Panel will print all types at once when sent to the printer and create a separate window for each type when sent to a window.

# Quick Insert

Use the quick insert feature by double clicking on the selected field or the description frame to quick insert predefined text into the circuit description, circuit size, prepared for, prepared by, headers and footer fields. The text is defined in the quick insert window that is accessible from the top tool bar icon. The bottom status bar will display the text that will paste into the description or size field when double clicked with the left mouse button

The quick insert screen has four main sections:

**1. The description and size section.** This section has twenty one fields to define text that would be typed often. for example "General outlets" , "Lighting circuit for room ?? " or even the (" " double quotes) to put under 2 or 3 pole breakers.

To insert data into the description and size fields:

1. Make visible the quick insert window by clicking the icon in the top tool bar.
2. Enter the text using up to 21 fields.
3. Select the field by clicking with the mouse or.
4. Close the window with the cursor on the selected text.
5. The selected text will display at the bottom status bar of the main window.
6. Double click on any description or size field to insert the selected text.

**2. To insert data into the prepared for, prepared by or header-footer fields.**

1. Make visible the quick insert window by clicking the icon in the top tool bar.
2. Enter the default text in the prepared for, prepared by, header and footer fields.
3. Double click on the frame (not the field itself) to insert the text.

For example; Enter your company name, address, city, state and zip in the prepared by box of the quick insert window. Next create a new record by clicking the add new icon on the top tool bar. With the mouse double click on the frame (click where it says "Prepared By"). This action will take the text typed into the prepared by box of the quick insert window and place it into the current record. It's that simple.

# Warranty

**LIMITED WARRANTY.** Electrical Design Software warrants that (a) the software product will perform substantially in accordance with the accompanying help materials for a period of ninety (90) days from the date of receipt.

**CUSTOMER REMEDIES.** Electrical Design Software and its suppliers, entire liability and your exclusive remedy shall be at Electrical Design Software's option, either (a) return of the price paid, if any, or (b) repair or replacement of the SOFTWARE PRODUCT that does not meet Electrical Design Software's Limited Warranty and which is returned to Electrical Design Software with a copy of your receipt. This limited warranty is void if failure of the SOFTWARE PRODUCT has resulted from accident, abuse or misapplication. Any replacement SOFTWARE PRODUCT will be warranted for the remainder of the original warranty period or (30) days whichever is longer. Outside the United States, neither these remedies nor any product support services offered by Electrical Design Software are available without proof of purchase from an authorized international source.

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# Print Default Directory

**Use the Print default directory to:** define a directory to print when printing from the grid window. The available directories are 8, 9 or 10 font boxed style.

Once a directory type is selected, clicking the button at the right of the prepared for name field will automatically send the directory to the default Windows printer. This feature allows a very quick method of printing various multiple directories.

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# Insert Special Character

This utility is used to place text that is not available on the keypad but is appropriate to place on the directory such as fractional numbers for pipe sizes. Ex:  $\frac{1}{4}$ ",  $\frac{1}{2}$ ",  $\frac{3}{4}$ ",  $1\frac{1}{4}$ ",  $1\frac{1}{2}$ ",  $2\frac{1}{2}$ ",  $3\frac{1}{2}$ ",  $\pm$ ,  $\ll$ ,  $\gg$ ,  $\varnothing$ ,  $\emptyset$ .

## **To insert a special character:**

1. Place the cursor in the field that the selected character will be inserted into.
2. Single click with the mouse. The selected text will be entered.

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