Circuit Directory [design]

Prepared for Name
Panel Name
Panel Location
PanInfoAmps
Panel Volts
Phase
Wire
Circuits

Circuit #, Description & Size

PreByName
Raceway
Conductor Size Type
Fed From Location
Breaker Type
Manufacturer
RMS, AIC Rating
Mounting Method
Main Breaker or Fuse Size
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Prepared By Name

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

Raceway

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

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.

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).

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.

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.

Manufacturer

Information about the manufacturer of the panel. This becomes useful when examining the panel characteristics at the computer.

Conductor Size & Type

Information about the conductors, or cable feeding the panel.

Ex: #2 Cu THHN

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).

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.

Grounding Information

Information about the panel grounding such as wire type, size, or method.

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.

Header - Footer

Any information that you want printed at the top of a circuit directory for the header fields or at the bottom for the footer field.

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.

Browse Records

Display a grid showing the records in ascending order based on the current index. Panel has five indexes. Three of the five are user set.

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.

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. A entry in the circuits field is required to produce a report.

Phase

Phase of the system. Generally 1 or 3.

Panel Volts

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

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.

Standard

Print a standard type directory.

Print Field Form

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

Select an Index

Records are displayed in ascending order based on the current index. Panel has five indexes. Three of the five are user set.

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.

Prepared for Name

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)

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.

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.

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.

Circuit Numbers

Time saving commands.

Clear circuit numbers will clear all fields to allow a custom numbering scheme. Circuit numbers 1 - 42 will place the numbers 1 thru 42. Circuit numbers 43 - 84 will place the numbers 43 thru 84.

Obtaining Technical Support

Technical support is free. Three methods of support are available.

- Fax
- Phone
- Mail

- **The preferred method is to Fax.**

1. By Fax. Call 1-603-893-9008

2. By phone. Call 1-603-893-9008
   Monday thru Friday 5 to 8 PM.

3. By mail. Electrical Design Software
   12 Vassar Drive
   Pelham, NH 03076

Circuit #, Description & Size

- The circuit number field can accept any numbering format that is used and will hold two characters.
- The description field will hold up to thirty characters.
- The size field will hold up to eight characters.

About Electrical Design Software

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