

# Electra™

Revolutionary Electrical Design Software

## Electrical Engineering Made Easy.

Create better and safer electrical designs faster, with the revolutionary Electra™, a CAD software that is specifically designed for electrical and control drawings. Electra™ offers a complete range of powerful tools to radically reduce your development cost and drastically shorten your design cycle, including automatic wire numbering, automatic component tagging, automatic generation and synchronization of panel layout drawings - complete with automatic dimensions, automatic terminal generation and much more.

Built on the Microsoft® Visio® platform - part of Microsoft® Office®, Electra™ offers unprecedented ease of use, basically drag and drop, and requires NO expensive and time consuming training. Drawings are saved on industry standard Visio® file format and includes extensive import and export filters (dwg, dxf), usable even without Electra™ installed.

### Reduced cost and increased efficiency

Designed for minimal typing, Electra™ helps you reduce your development cycle by more than 300% compared to non-electrical specific software. Standard and user created symbols in Electra™ are intelligent, can assume multiple forms, and can be used for both horizontal and vertical drawings, with automatic text positioning. Rather than searching for symbols, you get to do real work, fast!

### Generating more profit

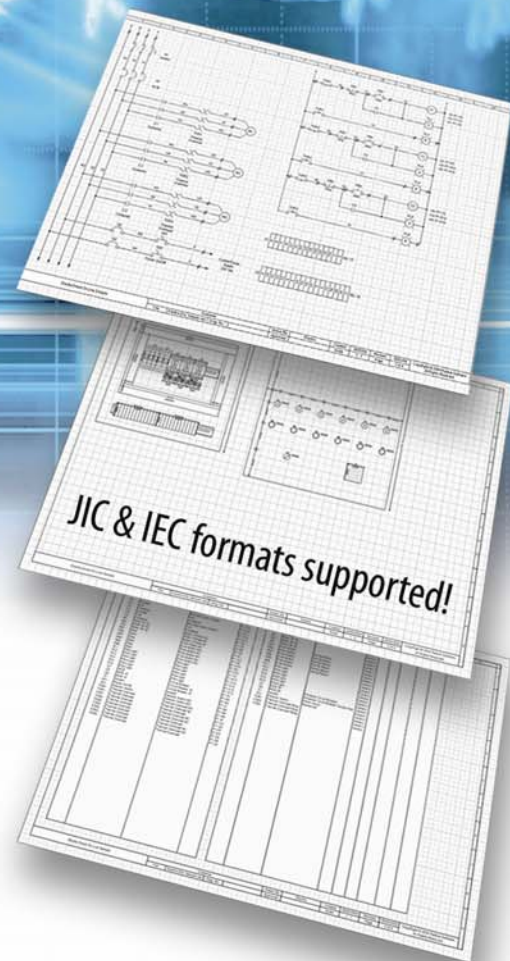
Have Electra™ generate reports to Excel® at any stage of your design for a quick quotation in minutes, rather than days. Import a photo of a component to be used on your panel layout drawings, and produce a photo realistic layout for your customer, even before fabrication.

### So easy, everybody can use it

Technical drawings are an invaluable resource, and should be accessible to every department in your organization, be it sales, design, engineering or manufacturing. Visio® and Electra™ make it extremely affordable for widespread adoption, greatly improving your bottom-line. Especially useful when your engineers are on site and need detailed, up to date drawings.

### Intuitively powerful

Design your common circuits once, and use them many times over, with Electra™ automatically numbering your symbols and wires to suit your current drawings. We call it circuit re-use, but it feels more like you've just brought in extra engineers. That's how powerful Electra™ is.



**Free!**

Fully functional  
trial software  
available on website.  
Download NOW!

## Reduced cost and increased efficiency

- Productivity gains of over **300%\*** allows you to complete your design in a third of the time compared to using conventional CAD systems without add-ins.  
(\* Internal user study results)
- **Extremely easy to use** for anyone familiar with the Microsoft® Office® interface without the need for extensive classes and training.
- **Extensive JIC and IEC symbol library** for improved design accuracy. Easily create your own symbols, or use a photo image of real components to be used on your panel layout drawings.
- **Minimal typing** required, with automatic symbol and net (wire) numbering. Lets you concentrate on your design, improves efficiency and eliminate design errors commonly associated with manual tasks.
- **Radically slash your design and development cost** by automatically updating changes between schematic drawings and panel layout drawings; net names and terminals list; schematic drawings and Bill of Materials.
- **Drastically reduce report generation cycle time**, generate reports at any stage of your drawings to produce better designs faster.
- **Accurately and quickly quote your customers** by exporting reports to Microsoft® Excel®, producing details right down to the number of terminals, quantities of rails and sizes of cable ducts.

## Powerful tools to shorten your design cycle

- **Intelligent wires** displays wires without names in red, automatically detects a wire name when connected to another wire and updates all wire names when the "top" wire is changed.
- **Intelligent symbols** that can rotate, show multiple forms, automatically generate labels and have multiple label orientation and positions. PLC shape that automatically generate input, output or analog points.
- **Intelligent duplication** correctly renames a symbol or wire based on its name. E.g. C1 to C2, HR2 to HR3, I0.0 to I0.1.
- **Create commonly used circuits once, and re-use many times over** using intelligent copy and paste. Symbol reference and net names automatically searches for the next empty spot.
- **Real time cross-reference and location information** for symbols and wires. Location shapes contain clickable hyperlink for easy jump to referenced symbol.
- **Automatic page renumbering** when page prefix is enabled. Rearrange or insert new pages and be assured that all symbols and wires with page prefix will be automatically and correctly synchronized.
- **Intelligent terminals** shows red when not placed above a wire, follows a wire when the wire is moved or resized. Automatically generate/count terminal list with terminal numbers and have the terminal name automatically updated when wire name is changed.
- **Easily create and add** real world components to industry standard Microsoft® Access® database.

## Flexible data sharing and compatibility

- **Project data is stored on the drawing** enabling you to share your drawings with customers and colleagues without any loss of information.
- **Drawings saved on industry standard Visio® file format.** View and modify drawings with Microsoft® Visio® even without Electra™ installed (productivity tools will be disabled).
- **Extensive import and export filters** for drawings and symbols in dwg, dxf, gif, jpg, bmp, and many more.
- **Publish your drawings** on the Web or collaborate with colleagues using Microsoft® Visio®.
- **Create professional drawings** by using the spelling checker built into Microsoft® Visio®.

### radica software

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For more information, visit:

[www.radicasoftware.com](http://www.radicasoftware.com)

