



Create, test and print electrical ladder diagrams!

The Constructor software has the tools you need to create fast, professional electrical diagrams. Full circuit simulation adds to the power of The Constructor by giving you a unique troubleshooting ability that can help you narrow down problems early on before you hard wire in the field.

The Constructor has a powerful easy-to-use interface equipped with hundreds of ready-to-use symbols, drawing tools, diagram controls and more. The Constructor is capable of simple to complex single or three-phase wiring diagrams.

► Easy-to-use interface

All tools are arranged on the main screen for quick access.

► Over 600 symbols

Symbols include active & inactive arranged in categorized libraries

► Simulation Engine

With a finished diagram, you can virtually test and run a circuit.

► Drawing Tools

Create extra displays using ellipses, lines and box tools.

► Zooming

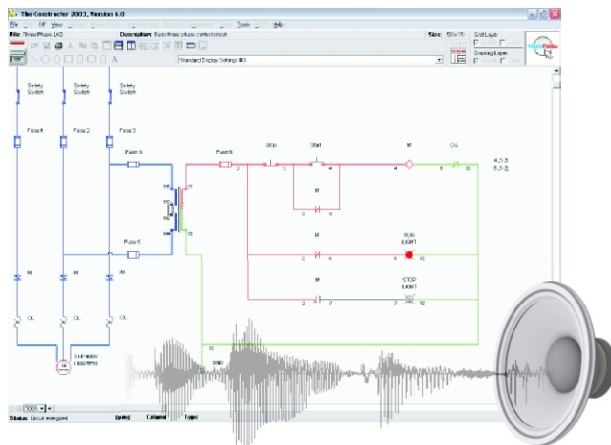
Zoom out on your diagram as well as symbol libraries for a bigger view.

► Export to Various File Formats

Export your drawings to DWG, DXF and many other picture formats.

► PLC I/O Capability

Insert generic I/Os or optional pre-designed I/Os that snap to the grid



Circuit Simulation

The Constructor is unique in its ability to test and troubleshoot an electrical circuit. Once a ladder diagram is designed, any circuit can be virtually energized and operated with a simple click of the mouse. The Constructor simulation engine visually displays power flow to each component and using animation and sound effects, each component will react accordingly once power is supplied.

Choose from over 600 symbols from different libraries including electronic symbols, coils, switches, loads, motors, one-line symbols, pushbuttons, contacts, grounds and more. You can even edit current symbols or create your own using the included symbol editor.

Easily insert transformers and multiple power point sets.

A 300 rung by 300 column diagram can be supported for in depth projects.

Environment customizing and diagram spacing features are easy to access and change.

Generic I/O modules, terminal strips, variable speed drives and soft starters are included plus additional modules are available categorized by manufacturer. These modules snap into The Constructor diagram for easy wiring and labeling.

FEATURES that make electrical design a snap!

The Constructor offers a wide arrangement of tools that make the design process easy and professional. Spending countless hours on an electrical diagram can now be significantly reduced by using our quick symbol and wiring placement abilities.

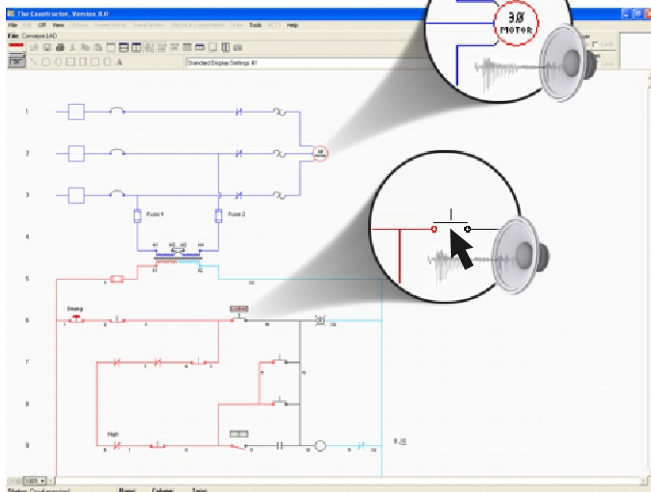
Realistic sound effects

The Constructor now has the ability to include realistic sound effects during simulation. Enhance your circuit simulation by assigning various sounds to motors, sirens, buzzers, switches, breakers, contacts, relays and more.

Multiple sound channels allow you to hear up to 20 different sounds at once.

The Constructor includes several sounds to choose from when creating/simulating your diagrams. An optional sound library is available which allows you to add 126 more sound effects to your existing library.

Sound Effects



Object alignment & layer control

Using the positioning tools in the drawing window you can easily align objects pixel by pixel. You can also easily lock and hide layers for more control in the design environment.

Quickly change object properties:

You can quickly group several objects together and select a color fill or line style that will directly affect all objects within the designated group. You can also change the layer order as well as lock the drawing objects in place. An "Auto Resize To Grid" option is available which allows an object to be sized as you change grid spacing settings.

Drawing tool ZOOM Feature.

When using drawing tools, an optional zoom window is available for exact object placement and aligning. This feature ensures more accuracy when drawing.

Insert/edit templates

Save drawing objects and parts of circuits as templates for quick and easy use in other projects.

Legends & printing

When printing you can choose to add borders, print to large format printers and even scale a diagram to fit a designated area.

Quickly import and edit legends or create your own from scratch.

Internet download wizard

Keep up to date with the latest news and software patches for the Constructor program.

Customizable interface

Choose from several background colors as well as adjust the Constructor's main window form colors to fit your taste.

Symbol library filters

Locate the type of symbols you are looking for by selecting from a list of filters which will allow you to only show the type you are looking for.

SYSTEM REQUIREMENTS:

- ▶ Pentium 400 Mhz
- ▶ 256 Megs RAM
- ▶ 50 meg hard drive
- ▶ CD Rom
- ▶ Sound Card
(For sound effects)

 Windows® 2000/XP/Vista



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