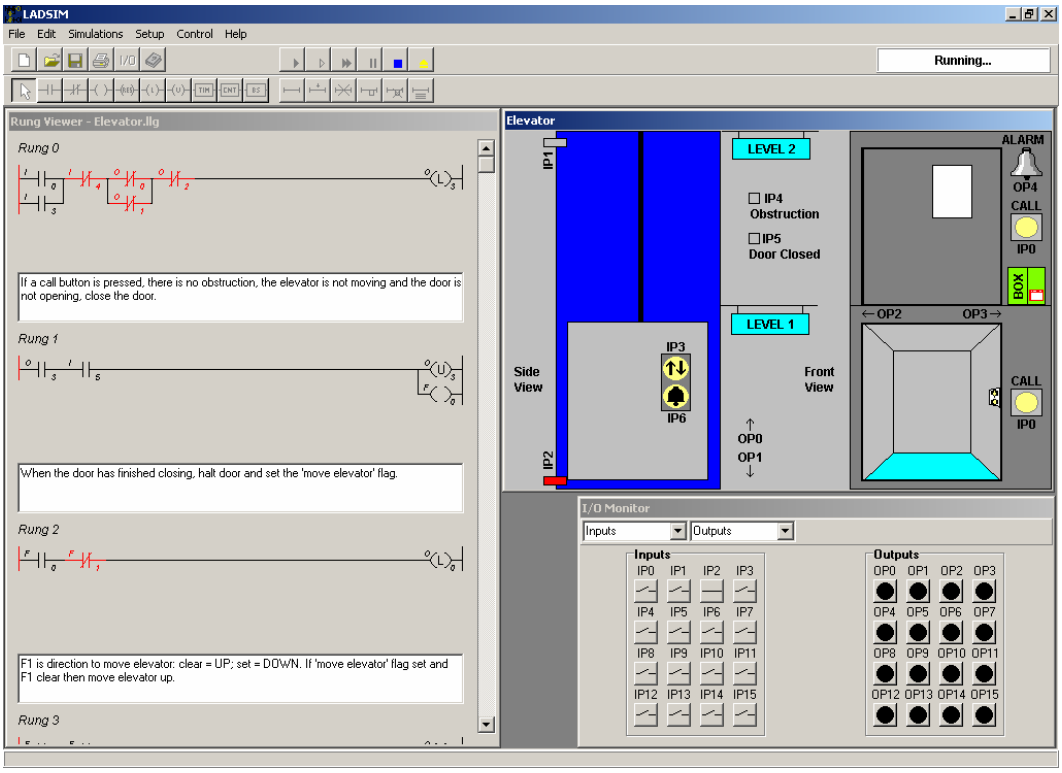
Ladder Logic Programming Simulator Software Model: LADSIM



FEATURES:

- Introduction to basic Ladder Logic programming
- Turns your PC into a virtual PLC
- Eight internal simulations
- PLCs can be used to control internal simulations
- Control of external devices
- Supplied with courseware

LADSIM is a fully functional ladder logic design and PLC simulation software program that incorporates the basic functions used in PLC ladder programming. LADSIM utilises your existing PCs' turning them into virtual PLCs.

LADSIM includes a visual editing environment for graphical programming. A simple 'drag and drop' method is used to add functions to the ladder rung, and comments can be added to each rung for documentation purposes. LADSIM functions include inputs, outputs, timers, counters, flags and shift registers. An interactive debugger is included allowing the program to be fully tested before being used to control a specific application.

LADSIM incorporates eight internal simulations; Annunciator, Traffic Light, Car Park, Elevator, Drinks Machine, Packing Line, Bottling Plant, based on real-world automated systems, and the Bytronic Industrial Control Trainer (ICT3). Each simulation is designed to aid and test the student's knowledge of programming in ladder logic.

LADSIM also has the ability to be connected to external devices through a suitable interface. A simulation is included of the Bytronic Industrial Control Trainer allowing students to develop the skills required to control an actual device. The student then moves on to control the Industrial Control Trainer through the real I/O capabilities of LADSIM. The internal simulations can also be controlled from a PLC, providing the student with the opportunity safely to test their subsequent PLC programming skills.The courseware begins with a general introduction to PLCs, the various programming methods available and the fundamentals of ladder logic programming. Students are introduced to the functions of LADSIM and are then given the task of developing programs to monitor and control each of the simulations.

Specifications:	
Windows based ladder logic programming	Visual editing environment
	Drag and Drop ladder functions
	Rung comments
	Interactive debugger
	Single step and single program loop modes
	Simulation displayed when editing program
	Control of simulations from a PLC
Eight built in simulations	Annunciator
	Traffic Light
	Car Park
	Elevator
	Drink Machine
	Packing Line
	Bottling Plant
	Bytronic Industrial Control Trainer
Real I/O capabilities	12 inputs
	12 outputs
Internal functions	16 inputs
	16 outputs
	16 flags
	8 counters
	8 timers
	4 shift registers
Courseware	Introduction to PLCs
	Ladder logic programming

Ordering Information.	
Licence Agreement	**Model Number -**
Single user licence - Stand Alone	LADSIM
Additional Licences - Stand Alone	LADSIMx
10 user licence - Network	LADSIM10/n
20 Users Licence - Network	LADSIM20/n
50 User Licence - Network	LADSIM50/n
Additional Licences - Network	LADSIMxn

Notes.

1. ***Specification is subject to change without notice.***
2. ***Warranty 1 year***

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