RSLogix Emulate

Technical Data

RSLogix Emulate 5™ and RSLogix Emulate 500™ are Microsoft® Windows®-based software packages that emulate one or more PLC-5® or SLC 500™ processor stations. You determine which PLC-5/SLC 500 ladder programs you want to run, and RSLogix Emulate scans the ladder logic like an actual processor. RSLogix Emulate is used for testing and debugging ladder logic programs prior to commissioning and startup.

Key Features

RSLogix Emulate 5 & 500:

- Since RSLogix Emulate is not connected to I/O modules, I/O emulation is handled via debug files. Debug files are special ladder logic files that you create to simulate your inputs. Then, files are automatically filtered out when downloading to your actual processor. You can use Rockwell Software WINtelligent LOGIC 5™/RSLogix 500™ or PLC-5/SLC 500 A.I. Series™ packages to create debug files.
- When testing your program, it is often handy to stop the process when a certain address goes out of range. In RSLogix Emulate, you can stop the process whenever a selected rung goes true, effectively freezing the process at the instant the error occurred.
- RSLogix Emulate has many methods for scanning your ladder logic. You can scan your ladder logic continuously, one program scan at a time, or rung-by-rung. You can also select a specific block of rungs to emulate. By selecting a block of rungs, you are able to isolate that section of your program for testing purposes. Naturally, all of the available scan modes are selectable while a block is defined.

RSLogix Emulate 5:

- RSLogix Emulate 5 emulates all of the Allen-Bradley PLC-5 family of programmable logic controllers (except the PLC-5/250™).
- With New Platform PLC-5s, you can connect a serial hardware device to the processor at channel zero. RSLogix Emulate 5 can emulate this functionality by using your computers serial port. After connecting the hardware device to the selected serial port, RSLogix Emulate 5 actually routes the data from the PLC-5s ASCII instructions to/from the serial port and your hardware device. This allows you to check how your programs interface with serial devices (bar code readers, scales, terminals, etc.).
Product Part Numbers

9310-WE5200E  RSLogix Emulate 5 PLC-5 Processor Emulation
   (requires the use of RSLinx™ or WINtelligent LINX™)
9310-WE0200E  RSLogix Emulate 500 SLC 500 Processor Emulation
   (requires the use of RSLinx or WINtelligent LINX)
9324-RL0350ENE  RSLogix Emulate 500/RSLogix 500 SLC 500
   and MicroLogix Programming and Emulation Bundle
   (includes 9323-RL0300ENE RSLogix 500 Offline/Online and
   9310-WE0200E RSLogix Emulate 500)
9324-RL5350ENE  RSLogix Emulate 5/RSLogix 5 PLC-5 Programming
   and Emulation Bundle (includes 9324-RL5300ENE RSLogix 5 Offline/Online
   and 9310-WE5200E RSLogix Emulate 5)
9324-RLC350ENE  RSLogix Emulate 5/500 and RSLogix 5™/500
   Programming and Emulation Bundle (includes 9310-WE5200E RSLogix
   Emulate 5, 9310-WE0200E RSLogix Emulate 500, 9324-RL5300ENE
   RSLogix 5 and 9324-RL0300ENE RSLogix 500)

Technical Specifications

- IBM®-compatible 486/50 MHz or greater
- Microsoft Windows 95 or Windows NT® (version 3.51 or later)
- 16 MB of RAM (more RAM provides a faster response)
- 2 MB of free hard disk space (or more based on application
   requirements)
- 16-color VGA Graphics Adapter 640 x 480 or greater resolution
   (256-color 800 x 600 recommended)
- RSLogix Emulate 5/Emulate 500 requires the use of WINtelligent
   LINX (for Windows 95) or RSLinx (for Windows NT).

Rockwell Software

For more information on the latest pricing or a demonstration of any
Rockwell Software package, please contact your local Rockwell Automation
sales office or Allen-Bradley distributor. For the very latest on Rockwell
Software products, visit us at:

www.software.rockwell.com