Eaton CONTROL F(x)™
Programming Software

Marketing Sheet

For Eaton® EFX Electronic Controllers

Eaton CONTROL F(x)™ programming software is based on the IEC 61131-3 windows-based programming standard for electronic controllers. All five programming languages of the IEC 61131-3 standard are supported.

Eaton CONTROL F(x)™ combines the power of advanced programming languages, like "C", with the easy handling and operational functions of graphics-based programming systems to produce native machine code.

Rapid Development

In order to keep customization time and resulting expenses to a minimum, the run time system, programming system and code generation are perfectly coordinated, thus saving you time and ensuring your products reach the marketplace quickly.

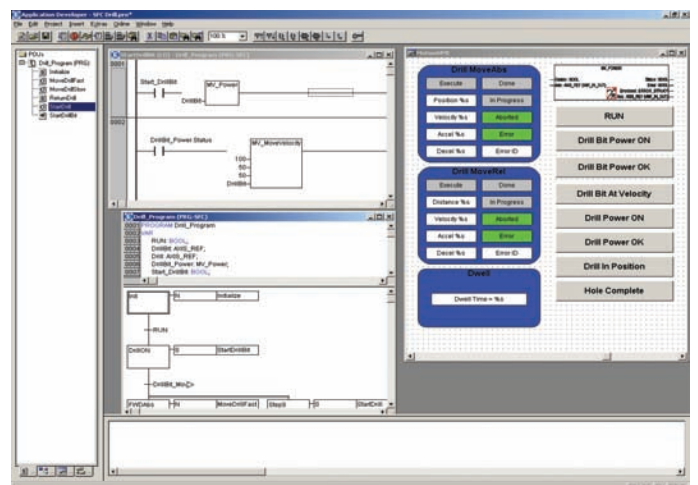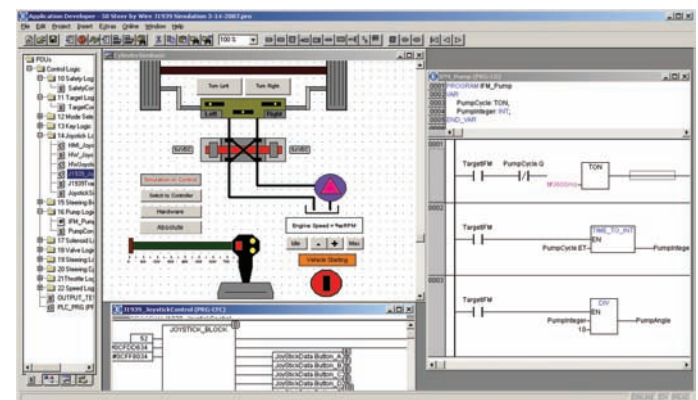### A Practical, Easy-to-Use Approach

Functions such as Autodeclare, Autoformat and context-sensitive input assistance simplify the use of the already intuitive development tool. All functions are accessible by use of the keyboard or mouse point-and-click. The low computing resource requirements of the software also supports a rapid development pace.

High Performance

Native code generators guarantee the optimal use of your control system. Due to intelligent algorithms such as 'incremental compile', large projects with thousands of global variables and hundreds of components can be compiled in a surprisingly short time.

Eaton CONTROL F(x)™ supplies users with a broad range of high-performance program development functionalities, such as a robust set of data types and offline simulation, as well as powerful online functions like breakpoints, single stepping, power flow, sampling trace and online change.

Eaton CONTROL F(x)™ - the Components	
Editors for programming in • Instruction List • Sequential Function Chart • Function Block Diagram • Structured Text • Ladder Diagram • Continuous Function Chart Online functionality • Monitoring of all variables • Writing and forcing of receipts (sets of variables) into the electronic controller • Debugging your complete project (breakpoints, stepping, single cycle, call stack) • Interrupt-free online changes of POUs and data • Power Flow • Sampling Trace	**System Requirements** • Pentium II, 500 MHz • 128 MB RAM • 70 MB hard disc required • Windows 98 / NT 4.0 / 2000 / XP • (MS Internet Explorer 4.0 or later required) • CD ROM drive Code Generators for multiple processors
Library management for user defined libraries	Complete offline simulation
Run time system in ANSI-C for flow control, debugging and communication	Hierarchical graphical electronic controller configuration
Visualization elements	DDE Server, OPC Server

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