

i|config™ Graphical Configuration Software



i|config is a Microsoft® Windows®-based configuration utility for Siemens Model 353 Process Automation Controller, Model 353R Rack-Mounted Process Automation Controller, and Model 352Plus Single-Loop Digital Controller. i|config supports development of controller configurations on a Windows-compatible PC. Configurations are downloaded or uploaded via standard front port or network communications.

Features and Benefits

- Easy user interface
- Supports function block and ladder logic configuration languages
- Library of standard control loop configurations
- Online monitoring of process values permits verification of control logic
- Supports all 353 series controller firmware levels
- Upgrades older firmware level configurations to a more current version
- Graphical interface supports addition of custom text notations for better documentation and version control
- Supports communication protocols RS-232, RS-485, LIL, and Ethernet
- During downloads, the utility verifies that all option boards required to support the configuration are present

353 series

SOFTWARE

SIEMENS

The i|config function block language is easy and intuitive. It supports both floating point and Boolean data types. Function blocks perform standard functions such as arithmetic calculations and Boolean logic, or they can perform specialized functions such as PID control. A large selection of available function blocks permits development of configurations for a wide variety of control applications. Ladder logic language is used when extensive Boolean logic is required. It supports several types of coil and contact elements permitting the development of sophisticated control logic. i|config permits the interlacing of both programming languages within one configuration. This permits easy development of advanced control logic for complex applications.

i|config supports all firmware versions of the 353 series controllers. It upgrades older firmware level configurations to more current versions. i|config has a compare feature that verifies that a configuration in a file matches the configuration within the controller. i|config supports graphical documentation. Custom notations can be added to the graphical configuration in order to identify input and output signals, revision modifications, and explanation of

complex numerical calculations. Since the configuration resides on a PC, it serves as the master copy for backup and version control.

i|config supports online monitoring of live process data. This feature is useful for debugging control logic. The monitor mode feature works with both function block and ladder logic loops.

i|config software supports function block and ladder logic programming languages for Siemens 353, 353R, 353Plus, legacy 354, and 354N loop controllers.

Specifications

- Intel® Pentium® or AMD 233 Hz or better microprocessor
- Microsoft Windows 98, Window 2000, NT 4.0, or Windows XP Operating System
- Recommended minimum 128 MB RAM
- Recommended 70 MB hard drive space
- CD ROM drive
- Mouse
- Printer (optional)

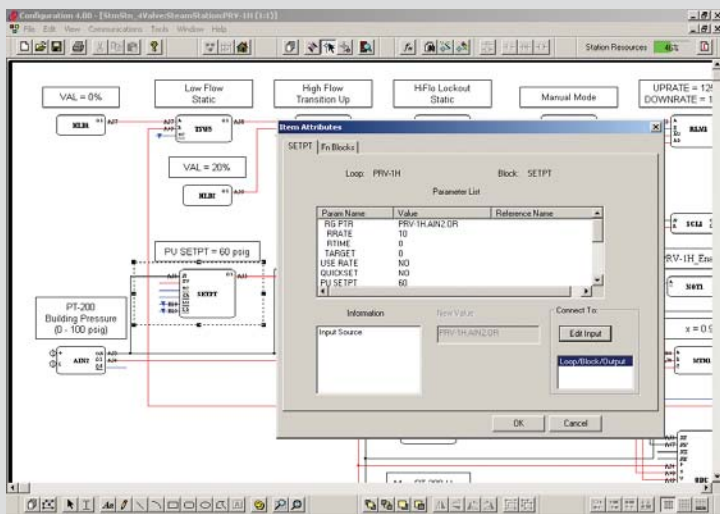


Figure 1 Function block loop with function block parameter editing dialog box

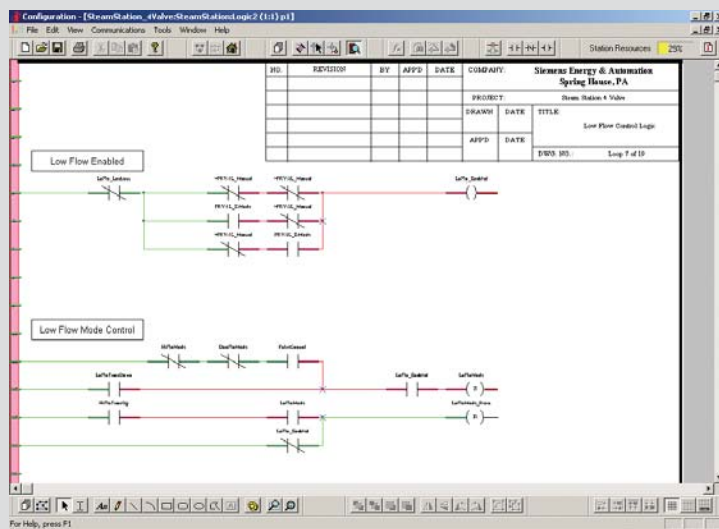


Figure 2 Ladder logic loop in on-line monitor mode