

AACode

Industrial Control Software for Programmable Logic Controllers and Personal Computers



Refrigerator Manufacturers,
Inc. - Automatic Door
controlled by Aromat PLC



Hewlett Packard Dual
Temperature/Humidity Room –
controlled by Aromat PLC,
includes temp/humid vs. time
profile control and HMI



Refrigeration Compressor Test Stand –
controlled by quad PID loops in Aromat
PLC, includes data acquisition and HMI



TetraTek Products, Inc. - Servo-
Hydraulic Pulse Generator controlled by
Allen Bradley PLC



Becker Automotive Design – Jet Van side door and interior
systems controlled by Aromat PLC

AACode© and AACode Software© Copyright AACode, Camarillo, California, USA, 2006

This literature and all information contained therein are the copyrighted property of AACode. Reproduction and transmission of all or portions of this document for any purpose other than the sale or discussion of AACode products is expressly prohibited except with the written consent of an Officer of AACode.

AACode Software

Custom Programming

AACode offers custom software programming as an experienced, factory authorized, automation integrator of Allen Bradley and Aromat NAIS (Panasonic) Programmable Logic Controls. We specialize in systems with PID closed loop control, sensors, motion, vision, motors, process machinery, HMI (Human Machine Interfaces), personal computers, network communication, data monitoring, trending, and historical data storage.

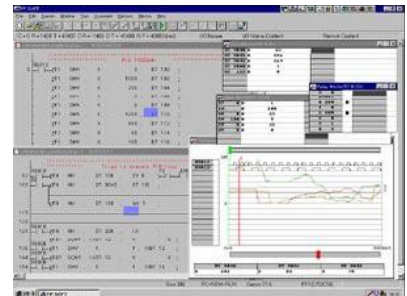
Optimize your manufacturing process or test protocol with repeatable programmable logic controls or industrial personal computer logic control software and hardware. We provide complete software and hardware solutions. We write carefully documented, custom, programmable logic control (PLC) and human machine interface (HMI) software to your specifications. We furnish program event and process based, real time personal computer (PC), integrated software and hardware packages. We even create special Microsoft Visual Basic or machine code programs to optimize your system or process' performance, communications, or data storage.

We delight in the complicated and strange. Control your unusual, multi-channel input or output process using one of our special programmable logic control (PLC) algorithms. Display a single computed factor derived from several sensors using one of our custom Excel functions, Microsoft Visual Basic algorithms, and predefined lookup or conversion tables.

Take advantage of the data stored in your industrial databases and available at your process controls. We are serial (EIA-232/422/485) and Ethernet10/100 Base-T network communications experts. We connect your test equipment, factory level machines, and process systems to each level of your organization over dedicated networks or the Internet.

Improve your factory and quality control insight with custom Microsoft Visual Basic and Microsoft Excel spreadsheets. We write applications to integrate Microsoft Excel with your external data sources and processes. We create special macros and functions to efficiently show the information in the format best suited to your needs. We produce programs to provide human machine interfaces (HMI), post processing, and data storage on personal computers.

We invite you to request a free analysis of your needs.

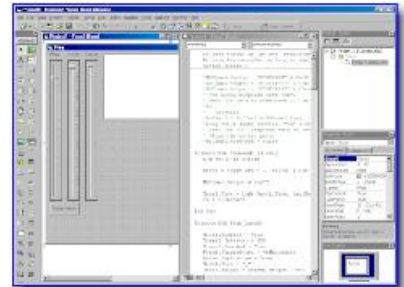
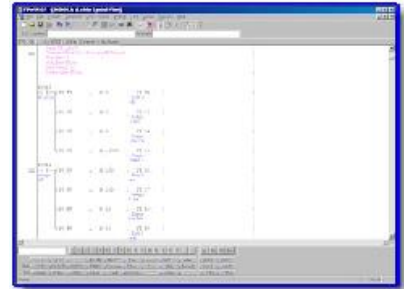


AACode Software

Written for Your Application

As part of AACode's Software programming and hardware services we offer turnkey packages or engineering to provide:

- Integrated programmable logic controls and software.
- Machine level operating data display and history storage.
- Process instruments and sensors.
- Custom control software and algorithms.
- Software for human machine interface terminals.
- Touch screen, LCD and PC based HMI.
- Devices for EIA-232/422/485 and Ethernet networks.
- Software and controls for stepper and servo motors.
- System machinery, packaging, wiring, and piping.
- Data channel coupled instruments (barcode readers).
- Digital and analog industrial PID controls.
- Software for Cartesian and SCARA robots.
- Setup and programming of vision systems.
- PC to mainframe and vice versa data packet formatting.
- Instrument calibration data per ISO 9000.



Using Microsoft Office and Microsoft Visual Basic we offer:

- Excel spreadsheet applications to your specifications.
- Custom functions and macros for Excel, Word, and Outlook.
- Integration of Excel with external data sources and processes.
- Automatic analysis of your data tables.
- Programs to improve productivity or accuracy.
- Coupling to database programs (e.g.: Microsoft Access, SQL).
- PLC input and output coupling to your Excel Spreadsheets.
- Data acquisition system integration with Excel Spreadsheets.



We also offer complete sensing, control, and monitoring systems arranged to exactly to meet your needs.

Available sensors cover a wide range of options, from common devices such as temperature thermocouples and solid state pressure transducers to unusual sensors for radiant flux and gas concentration. Our monitoring systems vary from high speed VXI data acquisition systems to a single sensor with a LAN. Most can be interfaced to the Internet for web browser access from almost anywhere.



Information and Quotations from AACode:

For additional information, you may wish to review our web site <http://aacode.com>.

We are happy to share our expertise with you. We provide quotations based upon your specific needs. If you need advice on a current or upcoming project, please contact us.