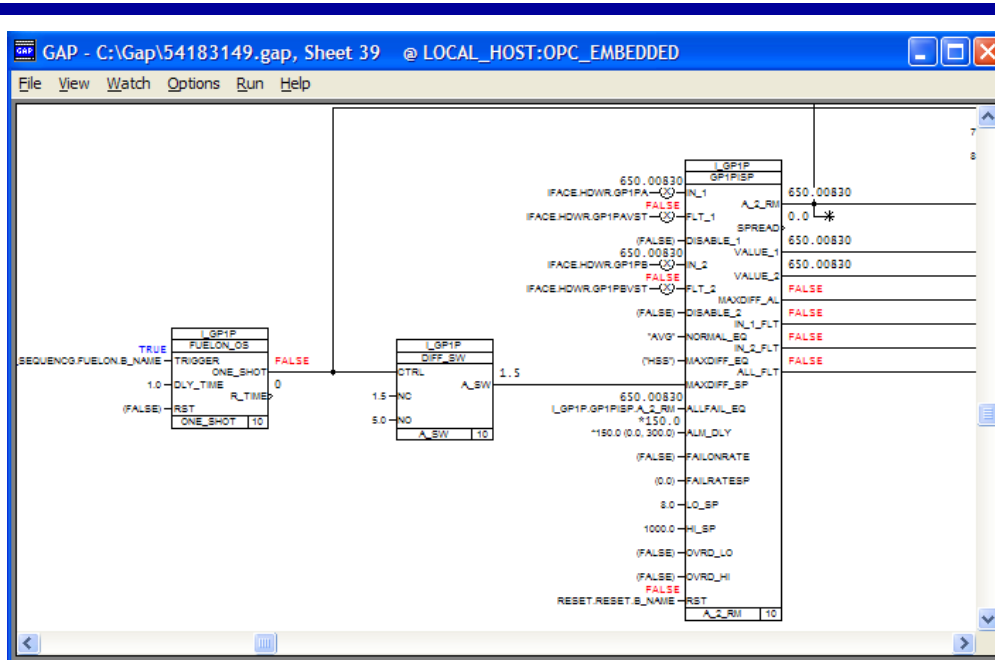


Monitor GAP™



Description

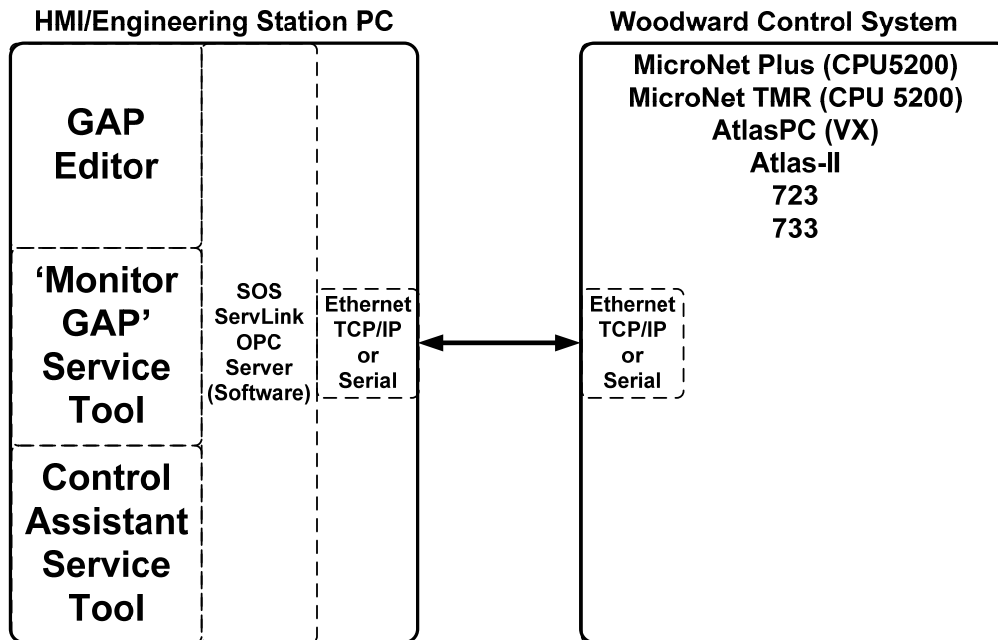
Monitor GAP™ is a licensed software service tool that allows service personnel to view and edit run-time values for GAP (Graphical Application Program) generated application software. GAP software is Woodward's pictures-to-code programming tool. GAP uses libraries of control objects that are connected in a graphical format. The final control design is displayed as a group of interconnected blocks that represent the actual functionality of the code running in the control hardware.

Monitor GAP works in parallel with GAP's graphical display by superimposing the actual run-time values on the graphical diagrams. The user is able to see all control values—true/false for Boolean variables and numeric values for real or integer variables. In addition, Monitor GAP can be used to adjust variables that have been previously declared as 'tunable' in the original GAP design.

GAP editor includes Monitor GAP within its core installation. Monitor GAP can be activated by installing the GAP Editor/Monitor software and authorizing the Monitor GAP functionality.

GAP editor and Monitor GAP both run on a PC in the Windows environment. Monitor GAP has access to the actual control run-time values through an Ethernet TCP/IP connection that is running the OPC protocol. Data is updated from the control in real time so that the values displayed by Monitor GAP are always current. Monitor Gap works in conjunction with Woodward's Control Assistant software package for additional servicing capability. Control Assistant displays values in a tabular (rather than graphical) format and allows monitoring/tuning of variables, management of configuration and set points. See product spec 03201 for additional information on Control Assistant.

- Powerful PC-Based troubleshooting tool for Woodward controls
- Monitor all control variables
- Real-time display of control values
- Easy to use graphical format
- Dramatically reduce troubleshooting time
- Integrated with Control Assistant
- Interfaces to Woodward NetSim™ simulation tool

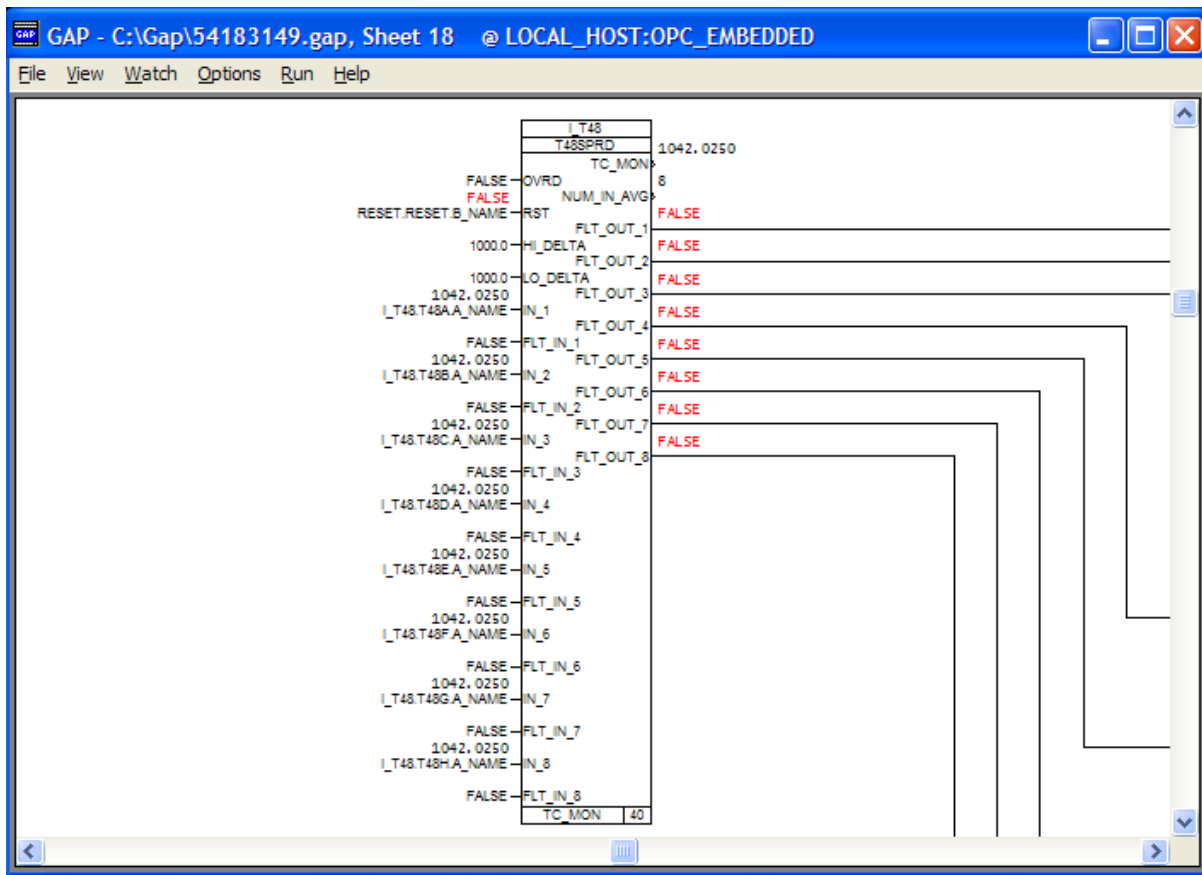
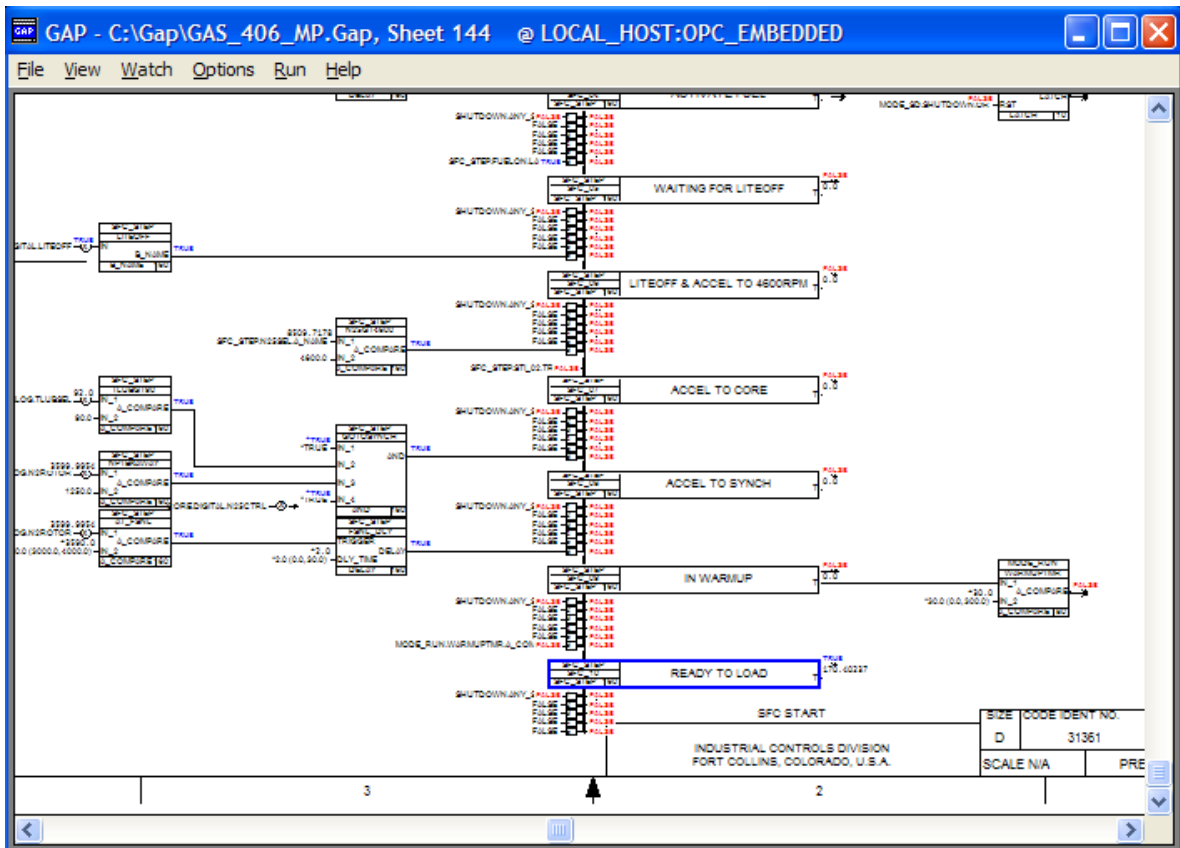


Applications

Monitor GAP can be used with the following Woodward controls:

- MicroNet™ Plus (CPU5200)
- MicroNet™ (Pentium processor)
- MicroNet TMR® (CPU5200)
- MicroNet TMR® (CPU040)
- NetCon® 5000 (040 processor) Coder 2.08 and later
- Atlas-II™ (CPU5200)
- AtlasPC™ (Pentium processor)
- 2301D (floating point compilation)

Generally, service personnel use Monitor GAP for troubleshooting during initial commissioning or subsequent system modifications. The tool allows the user to see graphically the progression of value changes as they 'ripple through' the control design. Correct performance responses are easily verified, and abnormalities are made apparent by examination of appropriate control blocks.



Specifications

Minimum PC requirements include:

- 600 MHz processor
- 28 MB of RAM
- Windows NT 4.0 (Service Pack 6), Windows 2000, Windows XP .
- Microsoft .NET 2.0 Framework
- Windows Installer Version 3.0
- Microsoft Internet Explorer 6.0 Service Pack 1

Use of a system that does not meet minimum requirements will in most cases result in degraded performance.

Installation

1. The free install software may be downloaded directly from the Woodward website (www.woodward.com/software/). Installation of the "GAP Editor/Monitor" software automatically results in the installation of Monitor GAP.
2. Run Setup.exe on the PC on which you want to install Monitor GAP.
3. Contact your local Woodward representative to obtain a license that will authorize the Monitor GAP software. (**Note**—The Monitor GAP license is independent of the license for the GAP Editor/Coder.)
4. From the same website, follow the instructions for Software Authorization.

Note—Although the install must be done on the target computer, the Internet connection to Woodward and the software authorization may be done from any computer. Call your local representative if you need assistance.

Running Monitor GAP

Prior to running Monitor GAP, the user must have already installed a copy of the GAP application software.

The default installation location can be found by clicking the "Start" button on the main toolbar and then clicking the "Programs" menu item. Look for an icon called "Woodward/GAP" to begin operation.

When connected to a control and running Monitor GAP, the GAP Editor functions are disabled. Monitor GAP always runs with 'Read-Only GAP' regardless of whether the Editor/Coder license has been activated or not.

Monitor Gap requires the source GAP application.



PO Box 1519, Fort Collins CO, USA 80522-1519
 1000 East Drake Road, Fort Collins CO 80525
 Tel.: +1 (970) 482-5811 ♦ Fax: +1 (970) 498-3058
www.woodward.com

Distributors & Service

Woodward has an international network of distributors and service facilities. For your nearest representative, call the Fort Collins plant or see the Worldwide Directory on our website.

This document is distributed for informational purposes only. It is not to be construed as creating or becoming part of any Woodward Governor Company contractual or warranty obligation unless expressly stated in a written sales contract.

© Woodward 2003, All Rights Reserved

For more information contact:

2009/10/Fort Collins