FTSolution for APT

Debug Features

The capabilities of FTSolution for APT® do not end after downloading a project to the PLC. FTSolution for APT includes standard and expanded Debug Mode features to monitor and troubleshoot programs in running processors.

▶ Standard Debug Mode

- <u>Watch Windows</u> – Like Charts in APT, Watch Windows display the extension values of selected objects and allow you to take a snap shot of these values by manually sampling them. Configure custom Watch Windows by specifying which extensions or PLC addresses are read from the PLC.

- <u>Trender</u> – Real-time values of extensions and specific PLC addresses from custom Watch Windows can be graphed in the Trender. Customize graph properties, such as time span, line color, and value scaling.

- <u>SFC Animation</u> – The execution path between Steps is highlighted in the SFC editor in real-time. Clear indications of multiple loops through the same steps are improved over APT.

- <u>SFC Breakpoints</u> – The SFC editor clearly indicates breakpoints in steps. All breakpoints through the entire PLC project are also identified in a convenient, consolidated list. Jump directly to any breakpoint from this list. These capabilities eliminate the need to manually search for breakpoints in every SFC, which is required by APT.

- <u>SFC Single Step</u> – Manually control SFC execution with Single Step to regulate when the SFC transitions from one Step to the next.

- <u>SFC Activate</u> – Manually select an SFC step to execute and continue running the program from that point.

▶ Expanded Debug Mode

For a more powerful online experience, expanded features allow you to:

- View source code while debugging.

- Open multiple programs in Debug Mode at the same time.

- Directly select objects in the editor to chart within Debug Mode with editor-integrated chart monitoring, sampling, and logging.

- Create, view, update, and delete custom charts without entering Debug Mode.

- Identify SFC breakpoint steps whether active or not, in normal execution and single-step modes.

- Navigate, view, and clear SFC breakpoints without opening SFCs.

- View and disable SFCs in single-step mode without opening SFCs.

- Edit parameters and values faster and easier.

FasTrak SoftWorks, Inc. is a leading provider of software for maintenance management, file change management, and PLC programming. We have been protecting thousands of PLC investments through our commitment to the long-term development, service, and support of programming software for PLCs for more than 30 years.

262.238.8088 | www.fast-soft.com | ftsolution@fast-soft.com