Accessing Memory Above 1856K on 2500-C400 Processors using APT™

With the increasing complexity modern process control programs, many applications developed for the Application Productivity Tool (APT™) need access to additional memory beyond the 1856K that is permitted in the Siemens 555-1106.
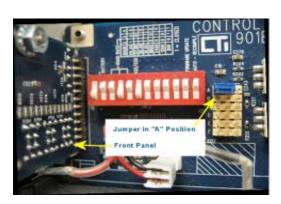
The CTI 2500-C400 processor allows user program sizes up to 3072K, but until now, none of this additional memory was available to APT™ programs, due to limitations in the setup configuration of APT. We have developed a workaround which does allow APT™ to access additional memory in the 2500-C400 processor. This means that APT™ applications which previously have been "locked out" from expansion can now be modified and enhanced.

This workaround presently permits the use of up to 2048K of memory in APT™.

The following steps are needed to implement the workaround:

1. Set the jumper on the 2500-C400 according to the picture below:

2. Retrieve the files "TI555.CFG" and "TI555.5X" from the CTI ftp site at ftp://ftp.controltechnology.com/public/Download/2500%20Series%20Processors/aptfolder and copy them to your local hard drive in the folder: C:\APT\LIB505\REF

3. Open the APT™ program and go to the Control Page (Configuration for Compile).

4. Change the Memory Size to 2048 Kbytes

5. Recompile the program and 2048 Kbytes are available for programming

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