Washing Machine - PLC Application

In this washing machine PLC application, initial program conditions can be set by switched selection. This allows the development of several different programs that can be used as conditional jumps, depending on how the initial conditions have been set. Using push-button switches to simulate interrupt conditions, such as unbalanced drum load, more complex control problems can be developed.

Function
- Real-life application
- Demonstrates sequential control
- Initial process conditions can be set
- Demonstrates to use of interrupts
- Low cost PLC application
- Used with the major PLC types
- Pre-wired or "wire your own" Mitsubishi, Allen Bradley & Siemens PLCs available (supplied separately) or use your own

Topics
- Logic fundamentals
- Basics of PLC programming
- Developing ladder logic programs
- Programming timers

Experiments require the Siemens software TIA Portal to create programs.
The equipment can require additional software modules.