

CHAPTER 13 SOLVED PROBLEMS

General instructions for the problems:

Write an instruction list program for the application and implement it for one of the following PLCs:

Siemens S7-1200/1500, **or** S7-300/400 (Portal or Classic), **or**

Modicon, **or**

Emerson VersaMax (with floating point)

If any part of the operation is ambiguous, write down your additional assumptions.

SP13-1. Implement the simple logic of problem P2-1 using the IL language.

SP13-2. High Level Indicator and Alarm. Implement the high level indicator and alarm of problem SP2-3 using the IL language.

SP13-3. Implement the cascaded timers of problem SP5-1 using the IL language.

SP13-4. One-shot pulse. Implement the one-shot pulse of problem SP5-2 using the IL language.