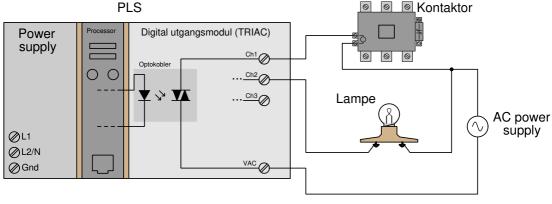
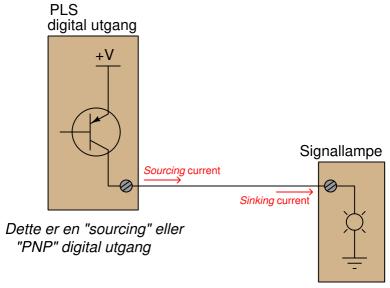
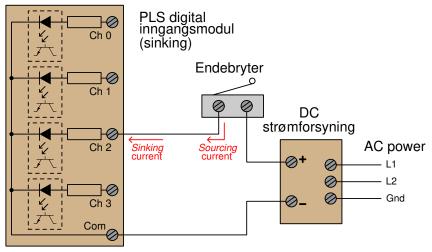


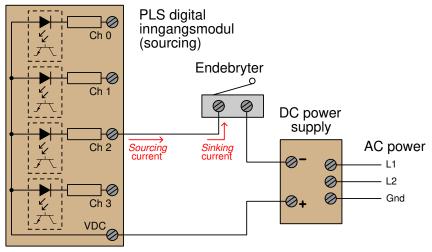
Aktivering av en digital inngang får en LED til å lyse på fototransistoren i en optokobler, denne sender så et TRUE signal til PLC-ens microprosessor som igjen setter et bit som tilhører inngang til TRUE.

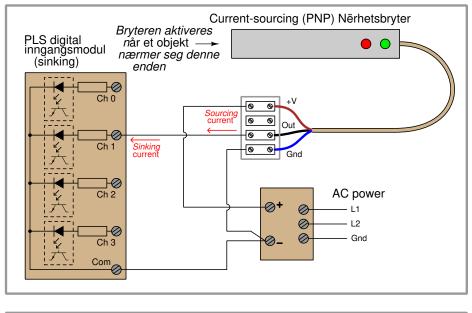


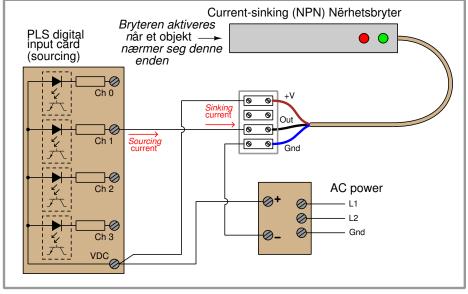
Ved å sette et bit TRUE i PLS-ens utangsregister, sendes et signal om å aktivere en LED i optokobleren. Dette gjør at foto-triacen leder og kontaktoren aktiveres.













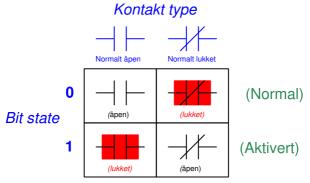


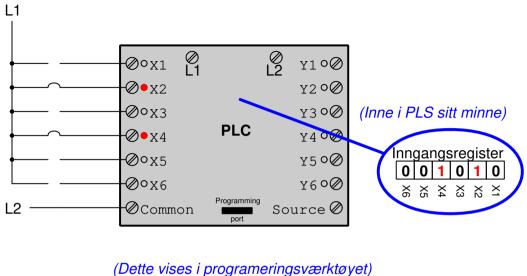


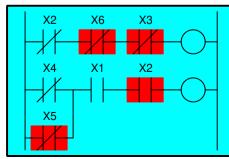


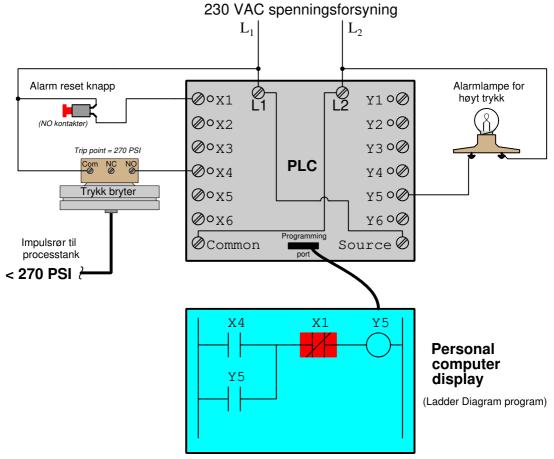


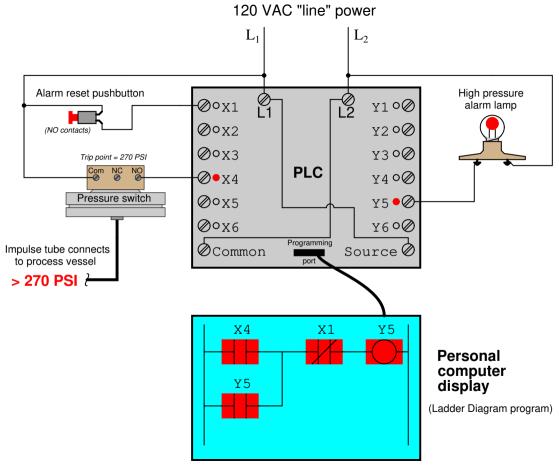


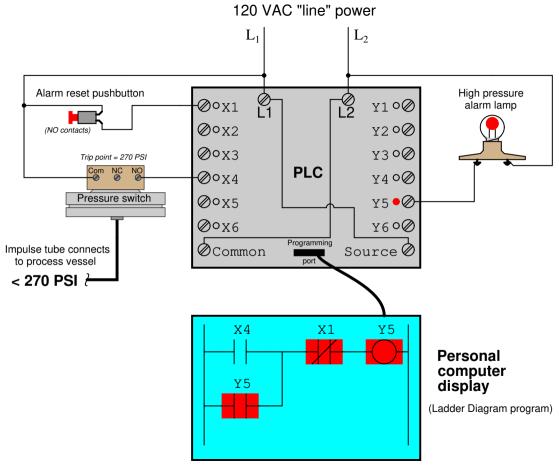


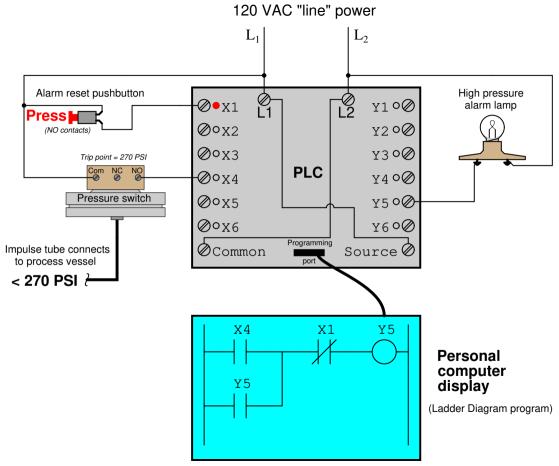




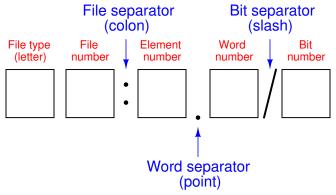




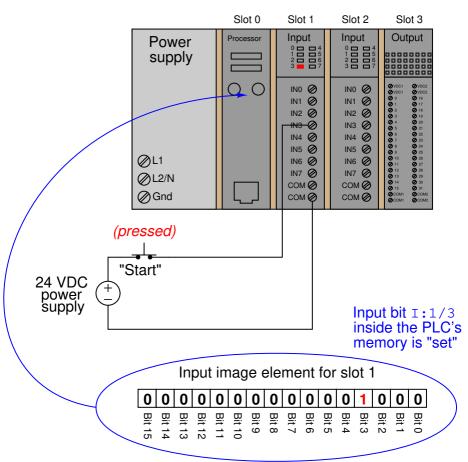




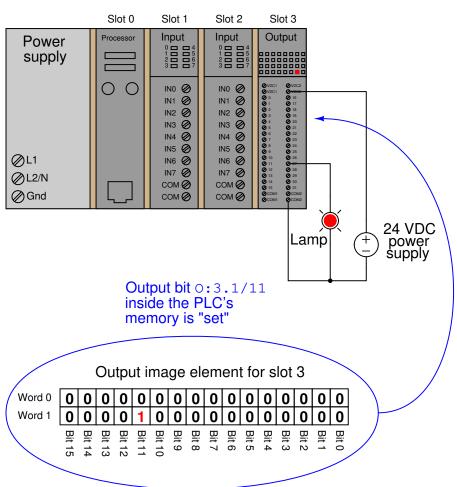
File number	File type	Logical address range
0	Output image	0:0 to 0:30
1	Input image	I:0 to I:30
2	Status	S:0 to S:n
3	Binary	B3:0 to B3:255
4	Timers	T4:0 to T4:255
5	Counters	C5:0 to C5:255
6	Control	R6:0 to R6:255
7	Integer	N7:0 to N7:255
8	Floating-point	F8:0 to F8:255
9	Network	x9:0 to x9:255
10 through 255	User defined	x10:0 to x255:255



SLC 500 4-slot chassis



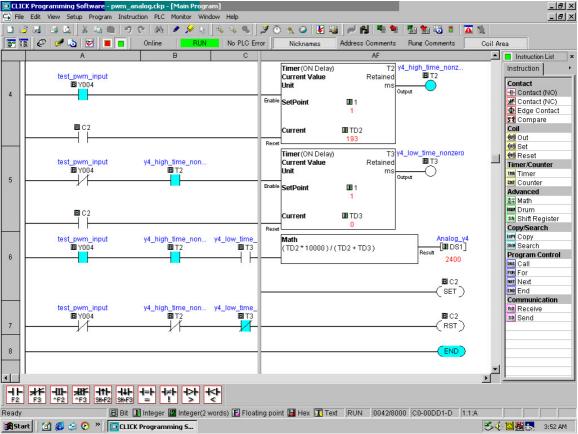
SLC 500 4-slot chassis

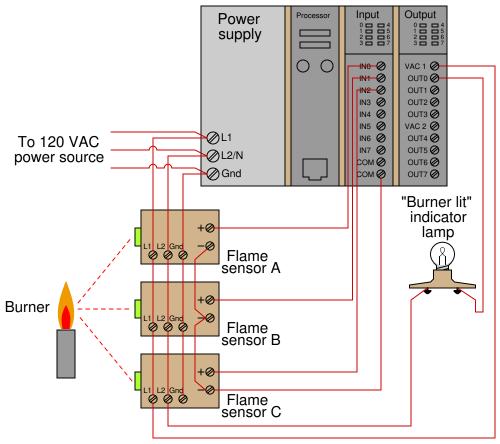


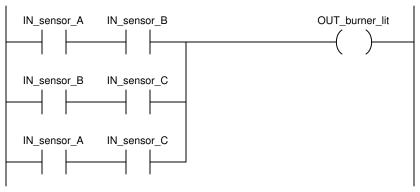
INPUT

| (.0/0 to 15) | (.1/0 to 15) | 0 4 8 12 16 20 24 28 1 5 9 13 17 21 25 29 2 6 10 14 18 22 26 30 3 7 11 15 19 23 27 31

DC-SINK

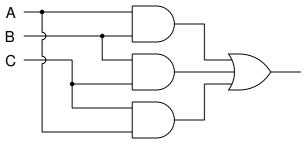


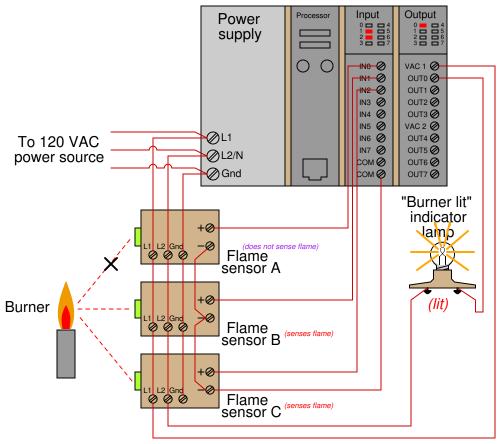




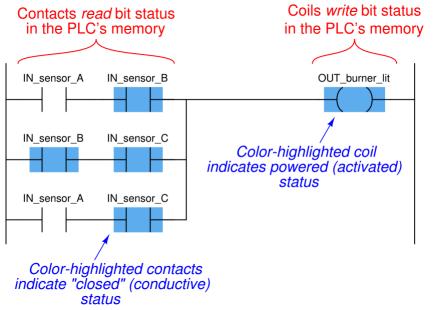
"Burner is lit if either A and B. or either B and C. or either A and C"

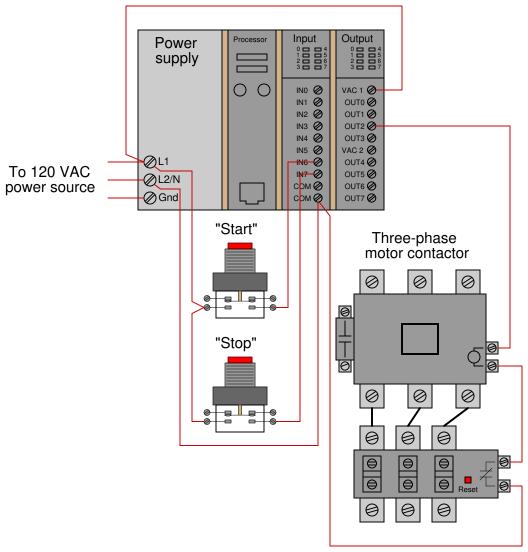
Burner lit AB

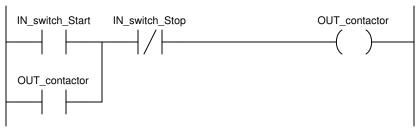


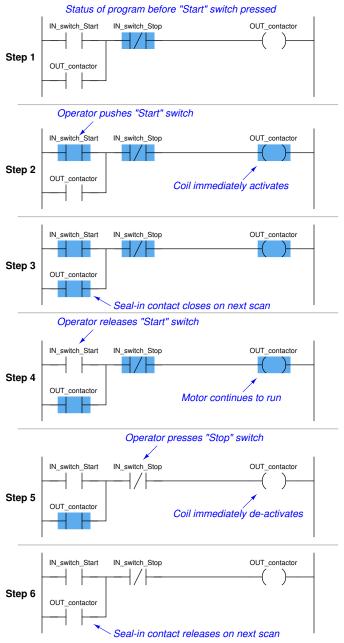


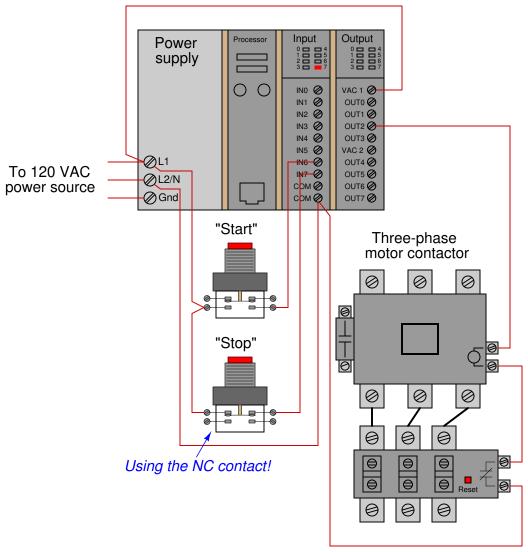


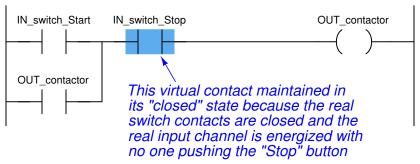


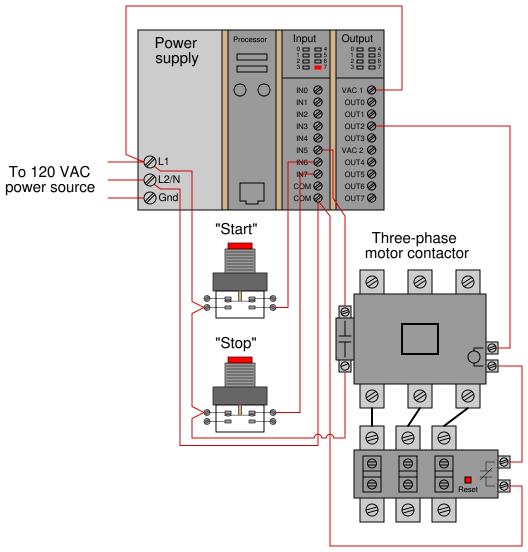


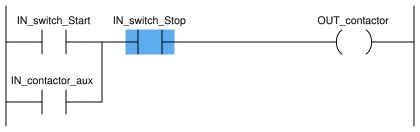










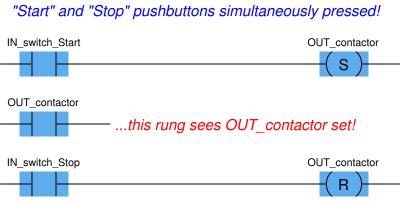


Discrete input Discrete output card Contactor coil

"Stop" pushbutton IN_switch_Start |

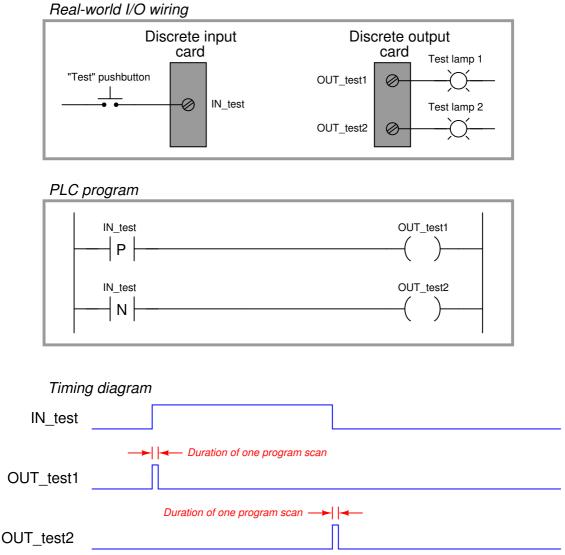
"Stop" pushbutton IN_switch_Stop

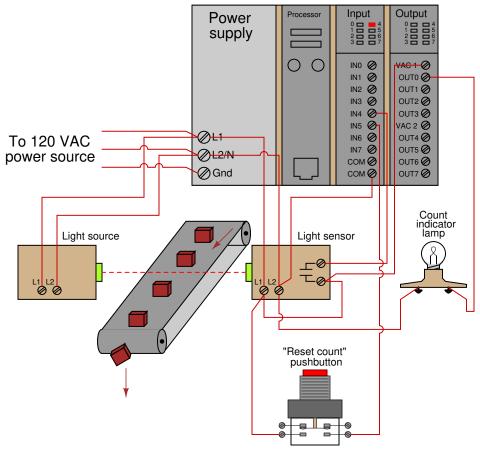


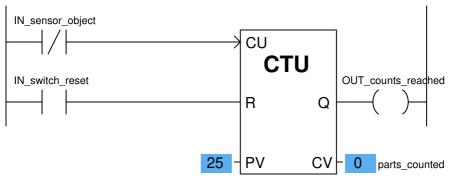


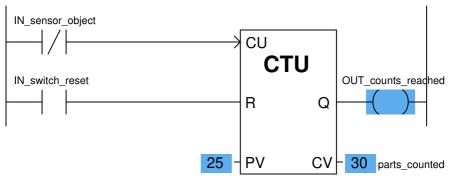
OUT_contactor

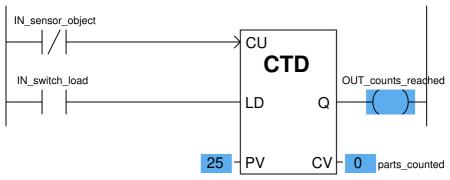
...this rung sees OUT_contactor reset!

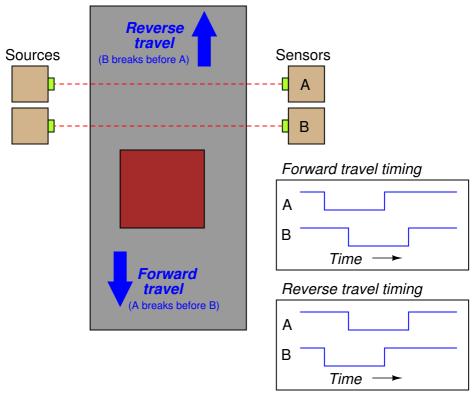


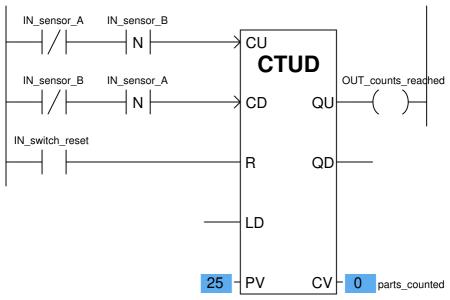










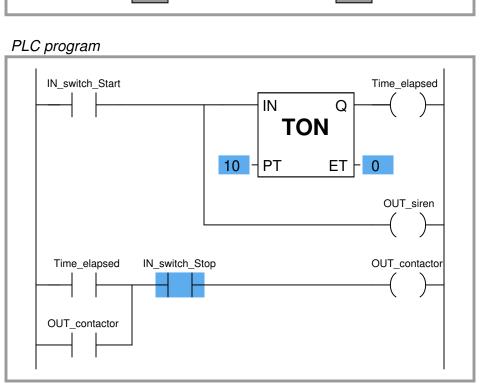


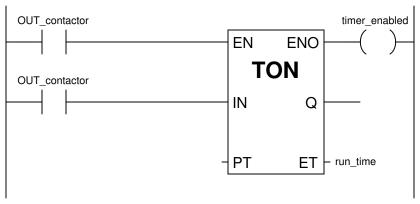
Discrete input

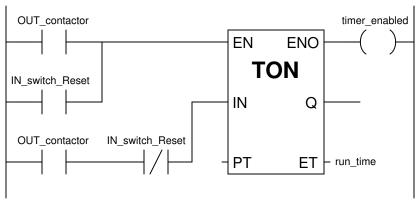
"Start" pushbutton card card Contactor coil

"Stop" pushbutton IN_switch_Start OUT_contactor

"Stop" pushbutton IN_switch_Stop OUT_siren OUT_siren

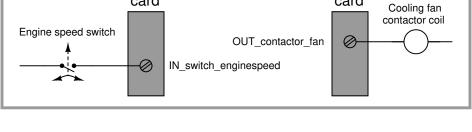




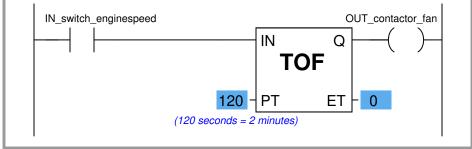


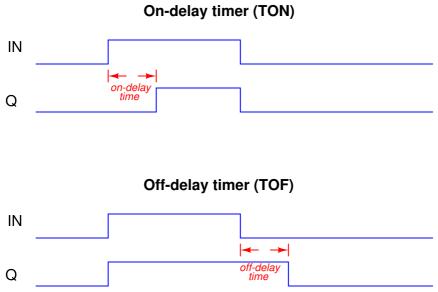
Peal-world I/O wiring

Discrete input card card Cooling fan contactor coil

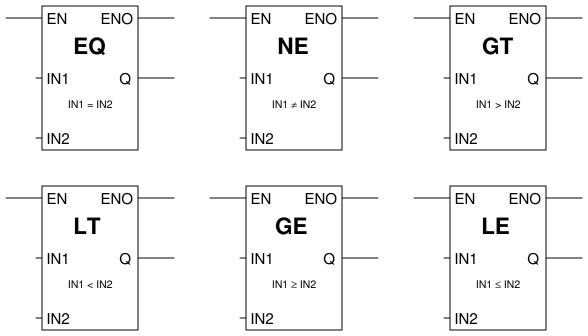


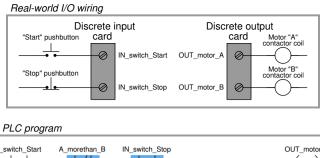
PLC program

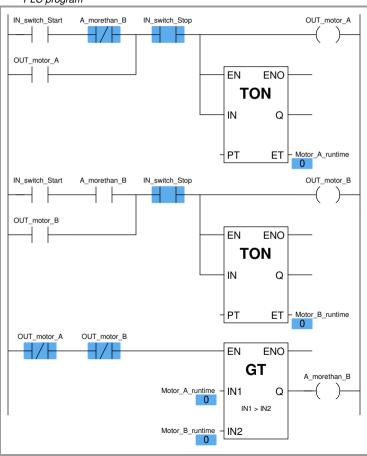


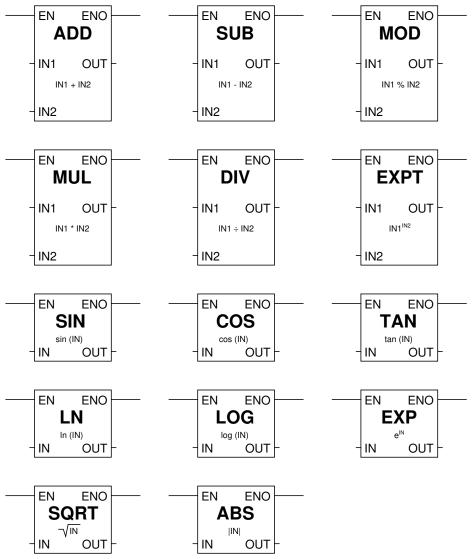


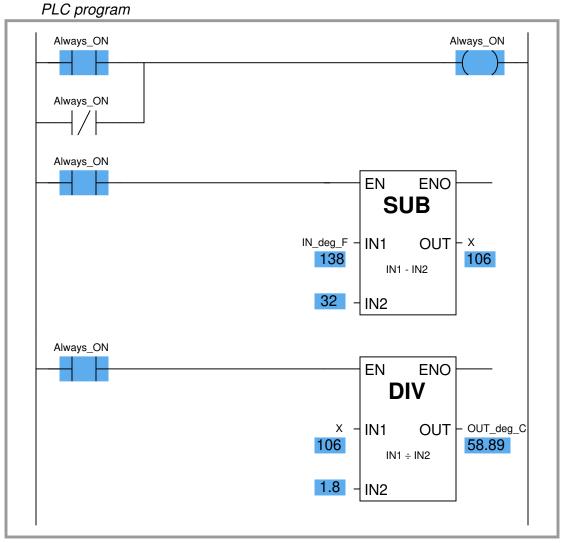


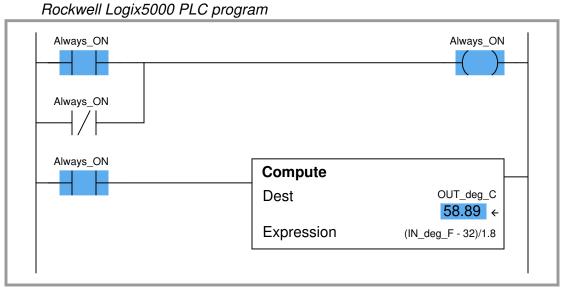


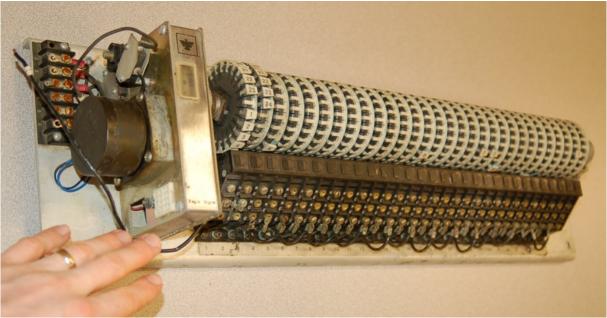


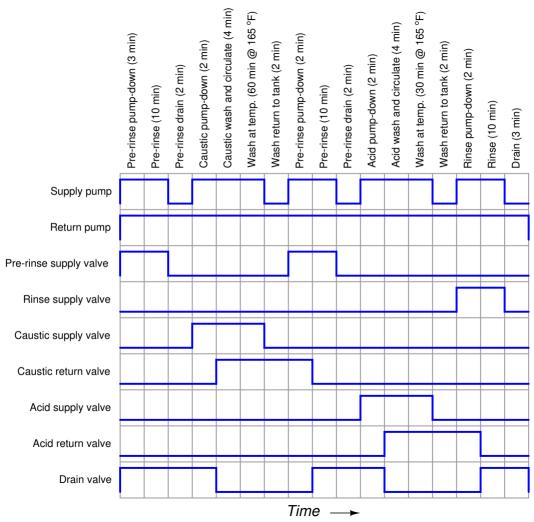


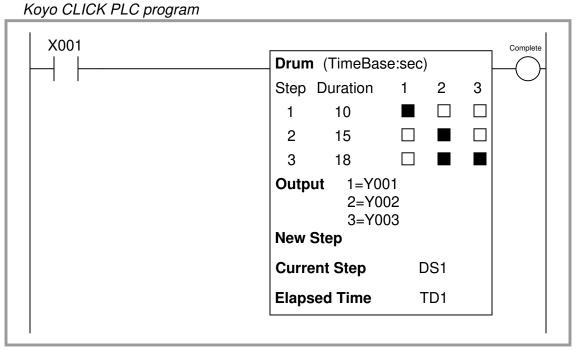


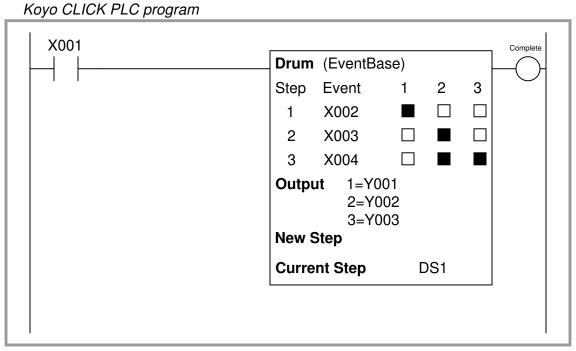


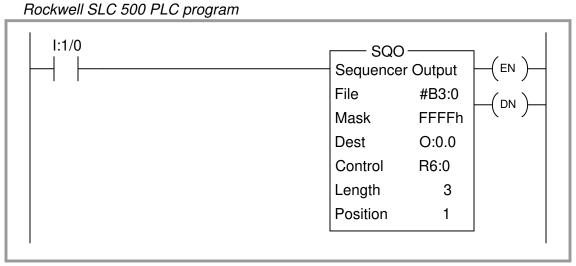






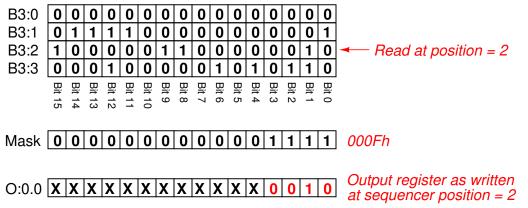


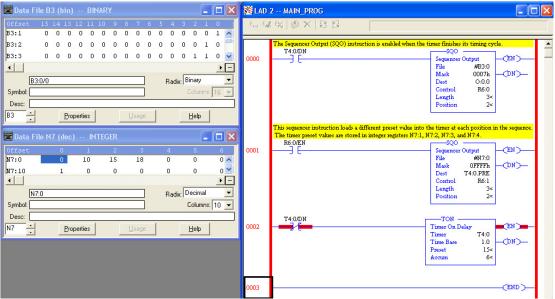


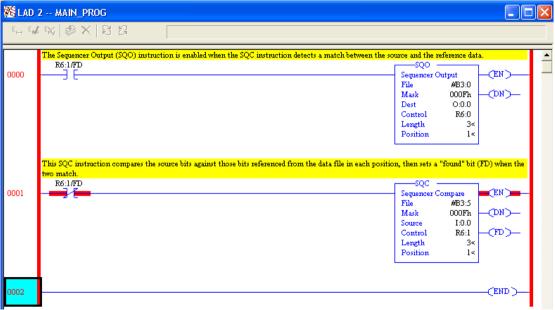


Data File B3 (bin) -- BINARY If File = #B3:0, then . . . → Read at position = 1 → Read at position = 2









$$Y = KP \cdot \left(e + \frac{1}{TN} \int edt + TV \frac{\delta e}{\delta t}\right) + Y_{OFFSET}$$





