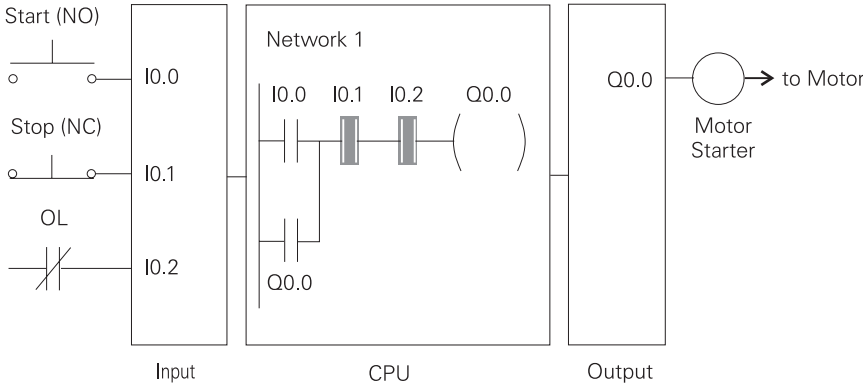


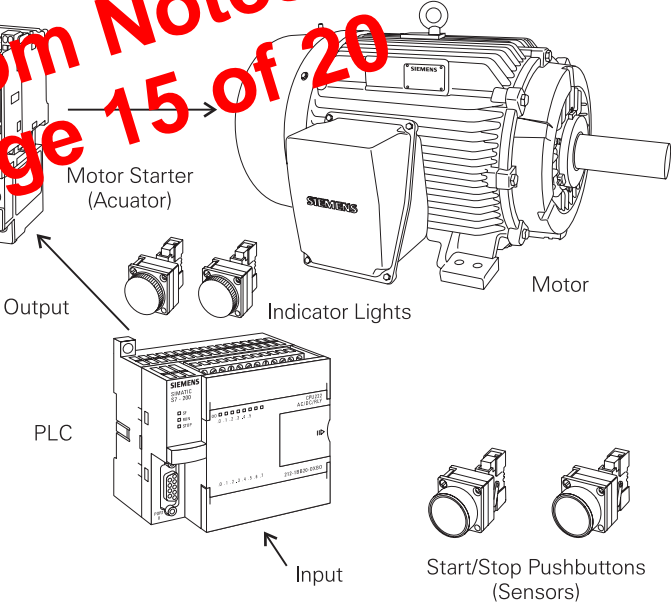
When the Stop pushbutton is released IO.1 logic function will again be true and the program ready for the next time the Start pushbutton is pressed.



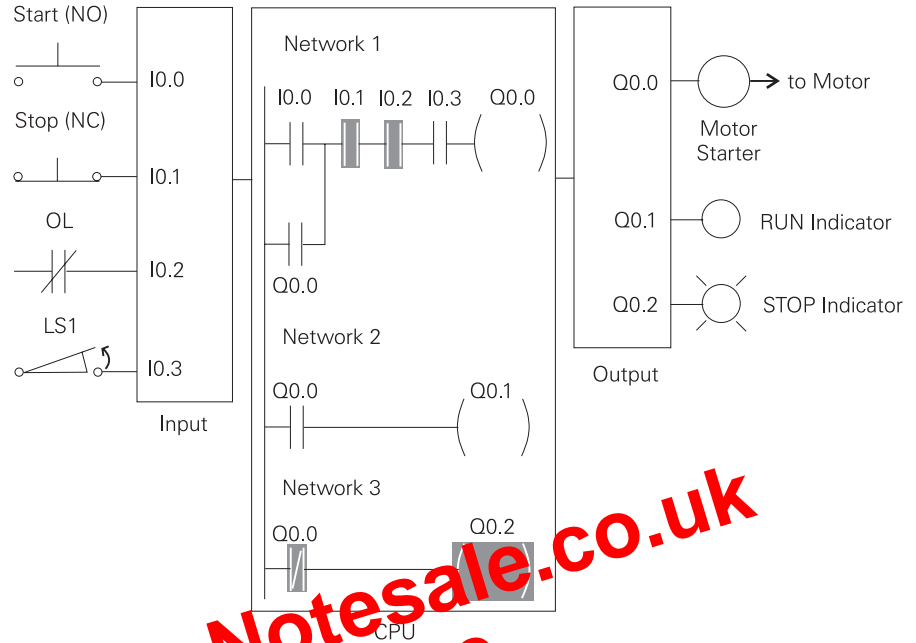
Expanding the Application

The application can be easily expanded to include indicator lights for RUN and STOP conditions. In this example a RUN indicator light is connected to output Q0.1 and a STOP indicator light is connected to output Q0.2.

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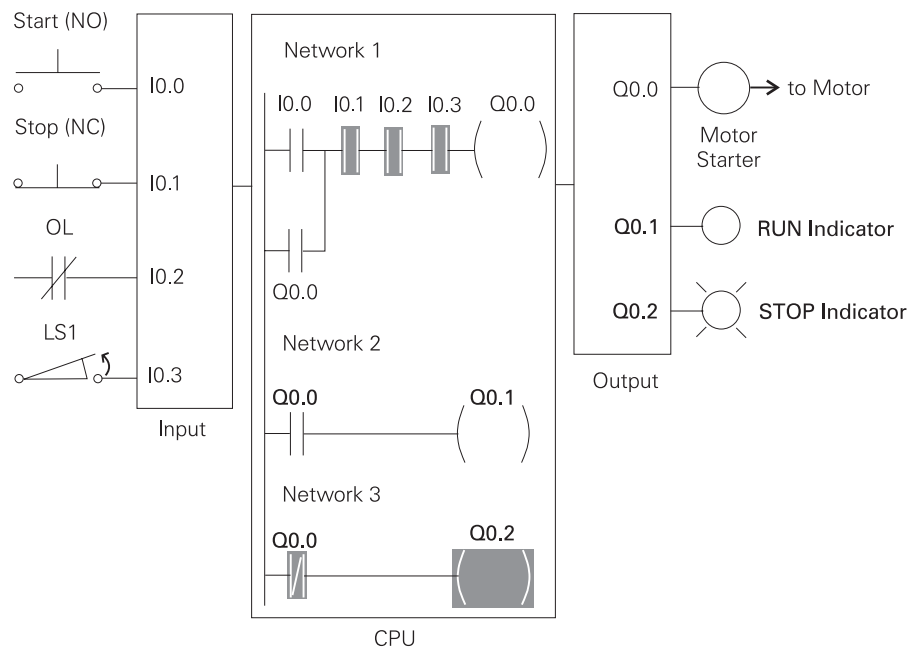


A limit switch could be used to stop the motor or prevent the motor from being started. An access door to the motor, or its associated equipment, is one example of a limit switch's use. If the access door is open, the normally open contacts of LS1 connected to input I0.3 are open and the motor will not start.



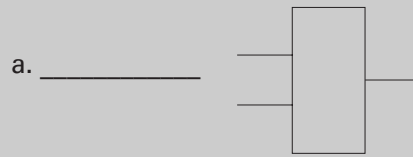
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When the access door is closed, the normally open contacts on the limit switch (LS1) are closed. Input I0.3 is now on (logic 1), and the motor will start when the Start pushbutton is pressed.



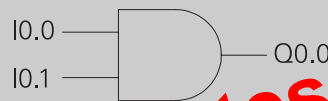
Review 4

1. Identify the following symbols:



2. Complete the following tables:

And (A) Function



Or (O) Function



I0.0	I0.1	Q0.0	I0.4	I0.5	Q0.1
0	0	a. _____	0	0	e. _____
0	1	b. _____	0	1	f. _____
1	0	c. _____	1	0	g. _____
1	1	d. _____	1	1	h. _____

3. In the following instruction Q0.0 will be true (logic 1) when _____ or _____ is true, and when _____ is true.

