FE104 DRAWING ASSIGNMENT 2

Question 1: (10 Marks)

Equipment:

- 2 x N/O pushbuttons
- 2 x N/C pushbuttons
- 2 x thermal overload units
- 1 x 24 Volt plug in relay and panel
- 2 x 24 volt contactors with 4 x N/O contacts
- 1 auxiliary contact block with at least 1 x N/C contact
- 1 x 24 volt "On Delay" timer
- 1 x fuse panel
- 1 x LED panel
- Leads

Construct the circuit and demonstrate its operation.



Attempt	Attempt	Teacher
1	2	assist
10 marks	5 marks	0 marks

2. Add a double pole Jog button to the circuit of the control relay and test the circuit.

Note: Do not connect the supply until the teacher has checked your circuit

Attempt	Attempt	Teacher
1	2	assist
10 marks	5 marks	0 marks

3. What is the purpose of the contact CR1.1 connected in parallel with S4? (2 marks)

- 4. What type of timer is shown in the circuit?(1 mark)
- 5. Explain the purpose of the N/C contact "B-1" in the circuit (2 marks)

0. If the time range to energise what will be the effect on the circuit (2 marks)

- 7. What do pushbuttons S1, S2, S3 & S4 form?(1 mark)
- 8. When the timer is de-energised after having been energised, explain how the timer contact will react. (2 marks)

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