**Unit: Manual Motor Controls Job: 11**

**Title: Two Position Selector Switch Circuit (Unsealing) CLO# 2**

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Station \_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Objectives**

1. Understand the concepts of two position selector switch.
2. Gain knowledge of utilizing selector switches in a control circuit.
3. Build a foundation for creating a selectable motor control circuit.

**Instructions**

Design a sealing/unsealing circuit using two momentary pushbuttons. The circuit will also utilize a two-position selector switch to allow the operator to select between the green and yellow lights when the circuit is sealed. Changing the selector switch will “unseal” the circuit. This circuit shall require two control relays. When the circuit is not sealed, both the green and yellow lights shall be off and the red light shall be on. Use the space below to design your circuit. Once complete, review your design with you instructor. After obtaining approval, you may wire your circuit. Ensure to label all wires with the appropriate wire numbers. Have your instructor review your wiring before energizing your circuit.

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Render the schematic you designed using a CAD type software package on a classroom PC and save using filename MMC Job 11 – *username.ext*

Notes: