|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Name |  | Station | |  | Date |  |
| Filename |  | | Location | |  | |
| Objective | | | | | | |
| Design a motor start/stop circuit that controls a single phase 120VAC motor. When the operator presses a normally open pushbutton, the motor starts and the green light shall come on. When the operator releases that button, the motor and green light shall stay on through the use of a sealing contact. When the operator presses a normally closed pushbutton, the motor shall stop, the green light shall go off and the red light shall come on. A selector switch shall be used as an emergency stop. When the selector switch is in the right position, the motor shall not be able to start, the red and green lights shall be off and the yellow light shall come on. | | | | | | |
| Job Instructions | | | | | | |
| Before any wiring, draw the proposed ladder diagram in the space below. Use references to ladder rungs, terminal locations and wire numbers of all components in your designed circuit. After completing your design below, have your instructor look over your design. Once the design is approved, you may start wiring your circuit. | | | | | | |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |