|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Name |  | Station | |  | Date |  |
| Filename | Intro to PLC Job 04 *[name].*RSS | | Location | | U:\Electrical\*[firstname\_lastname]* | |
| Objective | | | | | | |
| Learn the differences between Normally Open (NO) and Normally Closed (NC) wired inputs as well as Examine If Closed (XIC) and Examine If Open (XIO) Allen Bradley PLC instructions. | | | | | | |
| Job Instructions | | | | | | |
| Program and download the circuit documented below. After download and before any buttons are pressed, which lights are energized?  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Press the Normally Open pushbutton. Which lights are energized?  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Press the Normally Closed pushbutton. Which lights are energized?  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Notice that a NO pushbutton at rest using an XIC evaluates to false while a NC pushbutton at rest using an XIC evaluates to true. (Note: commands evaluating to true highlight in green) | | | | | | |

