Title: **Truth Tables** Worksheet: 1

Course: Intro to Automation Unit: Manual Motor Control CLO: 1

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Grade \_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Objectives**

1. Student shall complete the truth tables base on the given hardwire schematic.

**Assessment**

Students shall demonstrate a comprehension of the objectives listed above by scoring a minimum of 75% on this Worksheet. Grading shall be based on the answer key.

**Instructions**

Complete each rungs truth table based on the hardwire schematic found on page 2.

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| |  |  | | --- | --- | | Rung 1 | | | START | M | |  |  | |  |  | | |  |  | | --- | --- | | Rung 3 | | | STOP | M | |  |  | |  |  | |
| |  |  |  | | --- | --- | --- | | Rung 5 | | | | START 1 | START 2 | M | |  |  |  | |  |  |  | |  |  |  | |  |  |  | | |  |  |  | | --- | --- | --- | | Rung 7 | | | | START1 | START 2 | M | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |
| |  |  |  | | --- | --- | --- | | Rung 9 | | | | SELECTOR A | SELECTOR B | M | |  |  |  | |  |  |  | |  |  |  | |  |  |  | | |  |  |  | | --- | --- | --- | | Rung 10 | | | | STOP 1 | STOP 2 | M | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |
| |  |  |  | | --- | --- | --- | | Rung 12 | | | | STOP 1 | STOP 2 | M | |  |  |  | |  |  |  | |  |  |  | |  |  |  | |  |
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