

071605T4MCT

MECHATRONICS TECHNOLOGY LEVEL 5

ENG/OS/MC/CR/01/5/A

Install Mechatronic Systems

Nov/Dec 2024



**TVET CURRICULUM DEVELOPMENT, ASSESSMENT AND CERTIFICATION
COUNCIL (TVET CDACC)**

PRACT

MENT

RS

INSTRUCTIONS TO CANDIDATE:

1. You are required to perform the following tasks:

TASK 1: Install the pneumatic circuit as shown in figure 1.

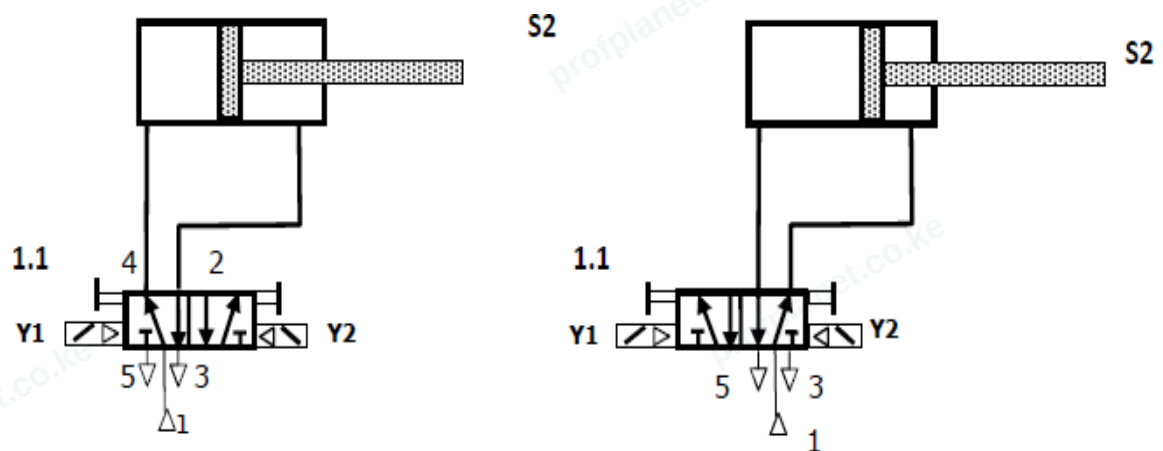


Figure 1

TASK 2: Install the system control circuit as shown in figure 2.

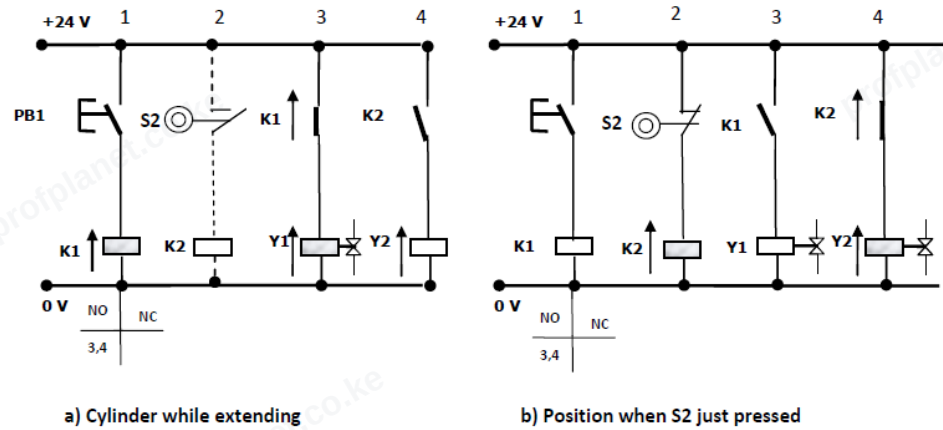


Figure 2

TASK 3: Test and operate the installation

2. You have been provided with the following components for the practical tasks:
 - i. Advanced Electro Pneumatic Control System, DLQD-DP202.
 - ii. Air service unit
 - iii. Manifold
 - iv. Double acting cylinder
 - v. 5/2 solenoid valve
 - vi. Micro-switch (left and right)
 - vii. Test line
 - viii. DC power supply
 - ix. Relay module
 - x. Push button module