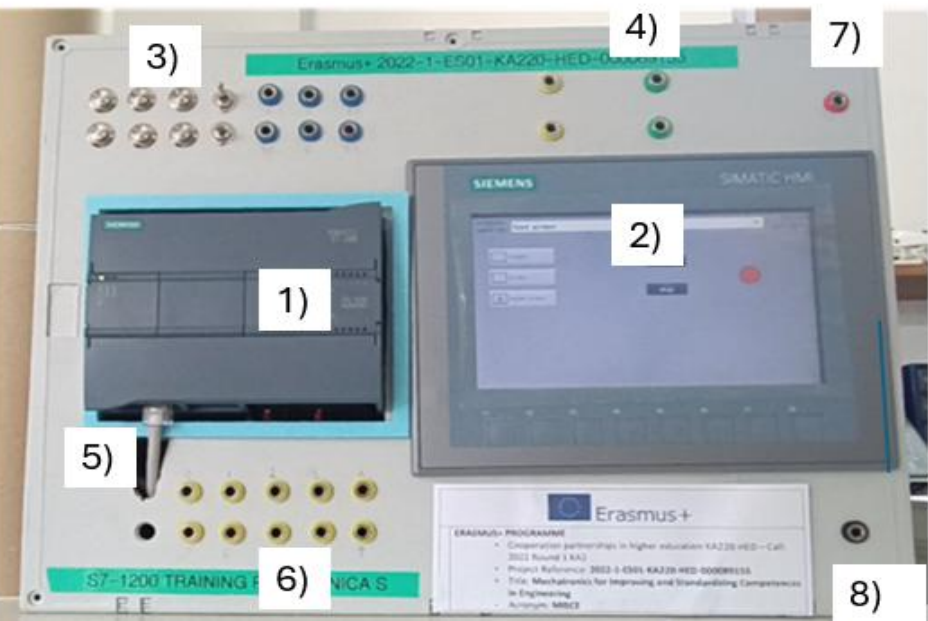


List of Parts



- 1. n.1 Siemens PLC of type 1215C;
- 2. n.1 Siemens HMI of type Comfort Basic;
- 3. Digital Input;
- 4. Analogic Input;
- 5. n.1 Ethernet cable for PLC/PC communication;
- 6. Output;
- 7. n.1 24V DC power supply connection (red wire) for powering the PLC, HMI, and I/O devices;
- 8. n.1 Ground (GND) connection (black wire) for the common return path in the electrical circuits.

Procedure

- 1. Step 1: Step 2: Connect the parts 1 and 2, following the Fig.1;
- 2. Step 2:Connect the Siemens PLC and HMI via the Ethernet cable to the programming laptop;
- 3. Step 3: Connect the parts 6 following the Fig.2;
- 4. Program the PLC using TIA Portal following the defined test exercises.

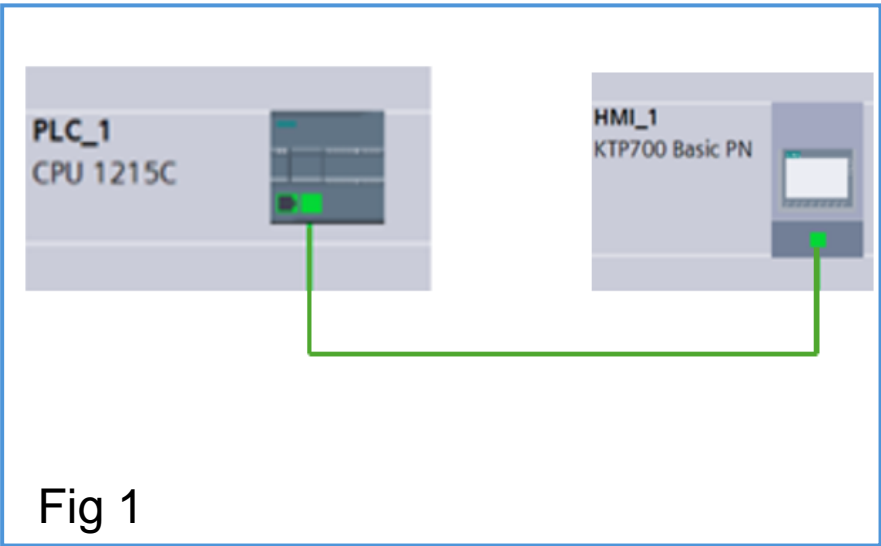


Fig 1

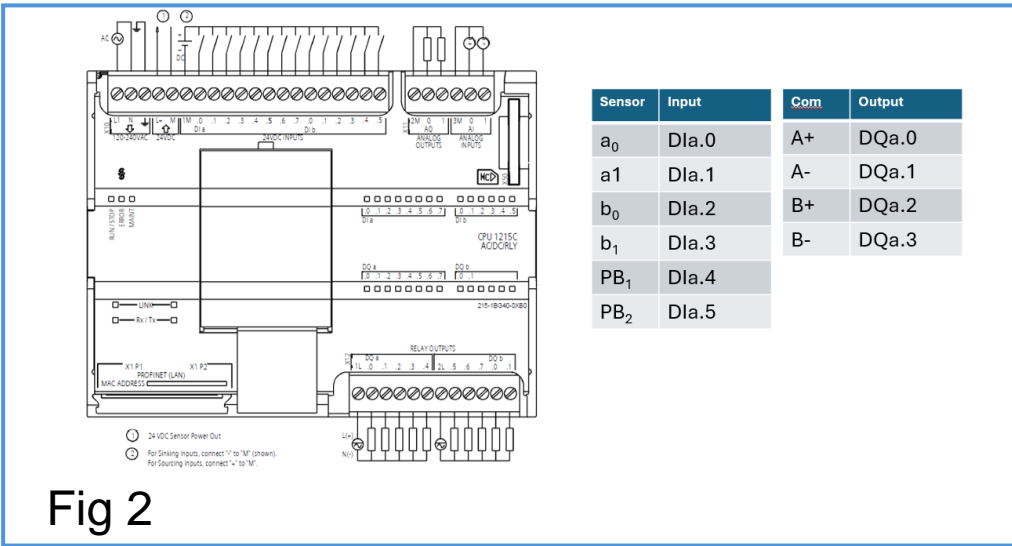


Fig 2