Scene 2 Factory IO

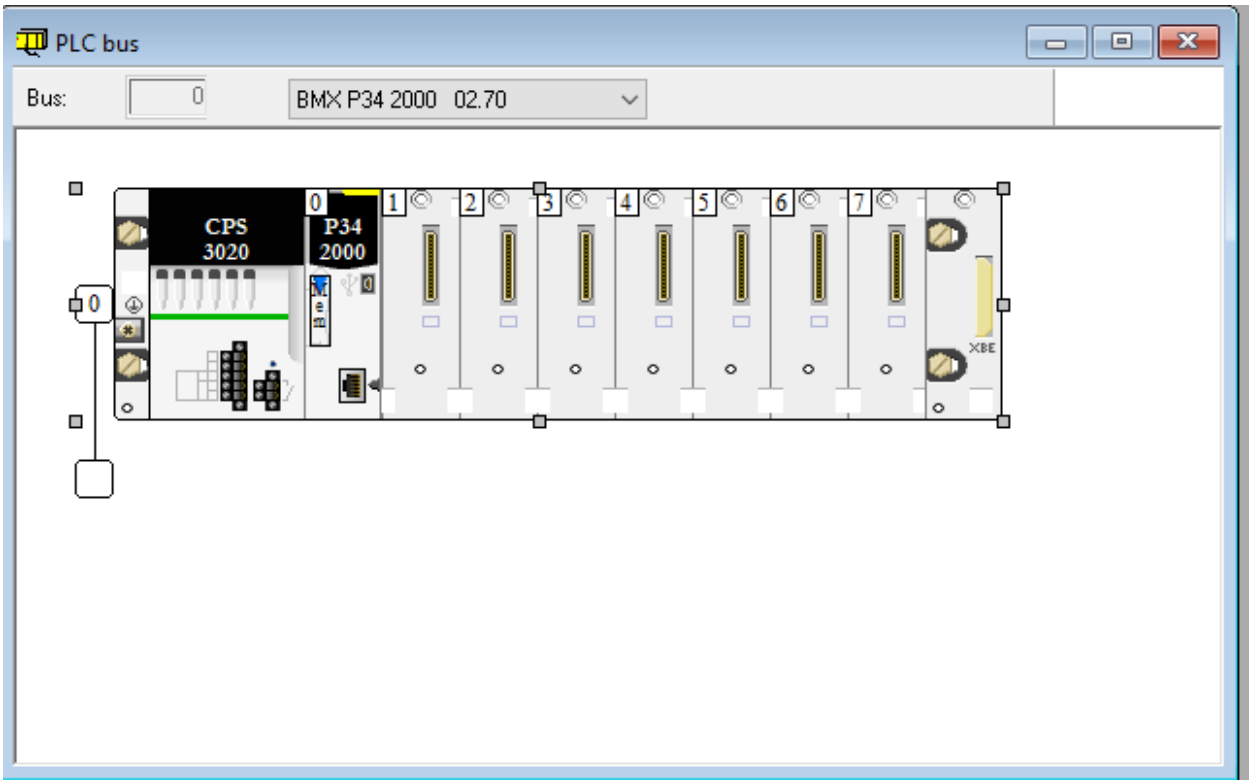
Objective: Transport the box from Sensor A to Sensor B.

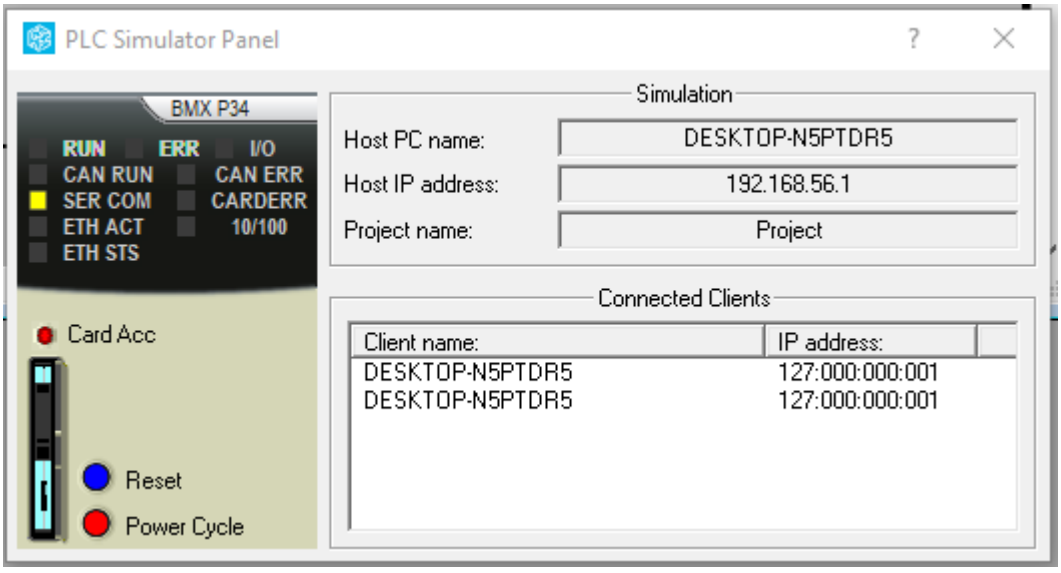
Solution : A Reset Set(RS) function block is used to accomplish the task. Start button starts the entry conveyor which also energizes the RS block. A NC block is used as the retroreflective sensors are always ON . The stop button stop the entry conveyor.

Software Used : Factory IO and Unity Pro XL

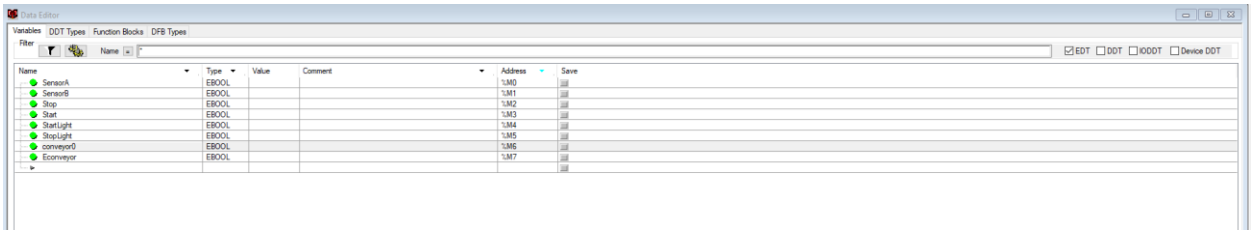
Communication Protocol : Modbus Protocol is used.

1.Hardware Configuration and PLC simulator Panel (2 connected Clients, factory io and unity pro xl)

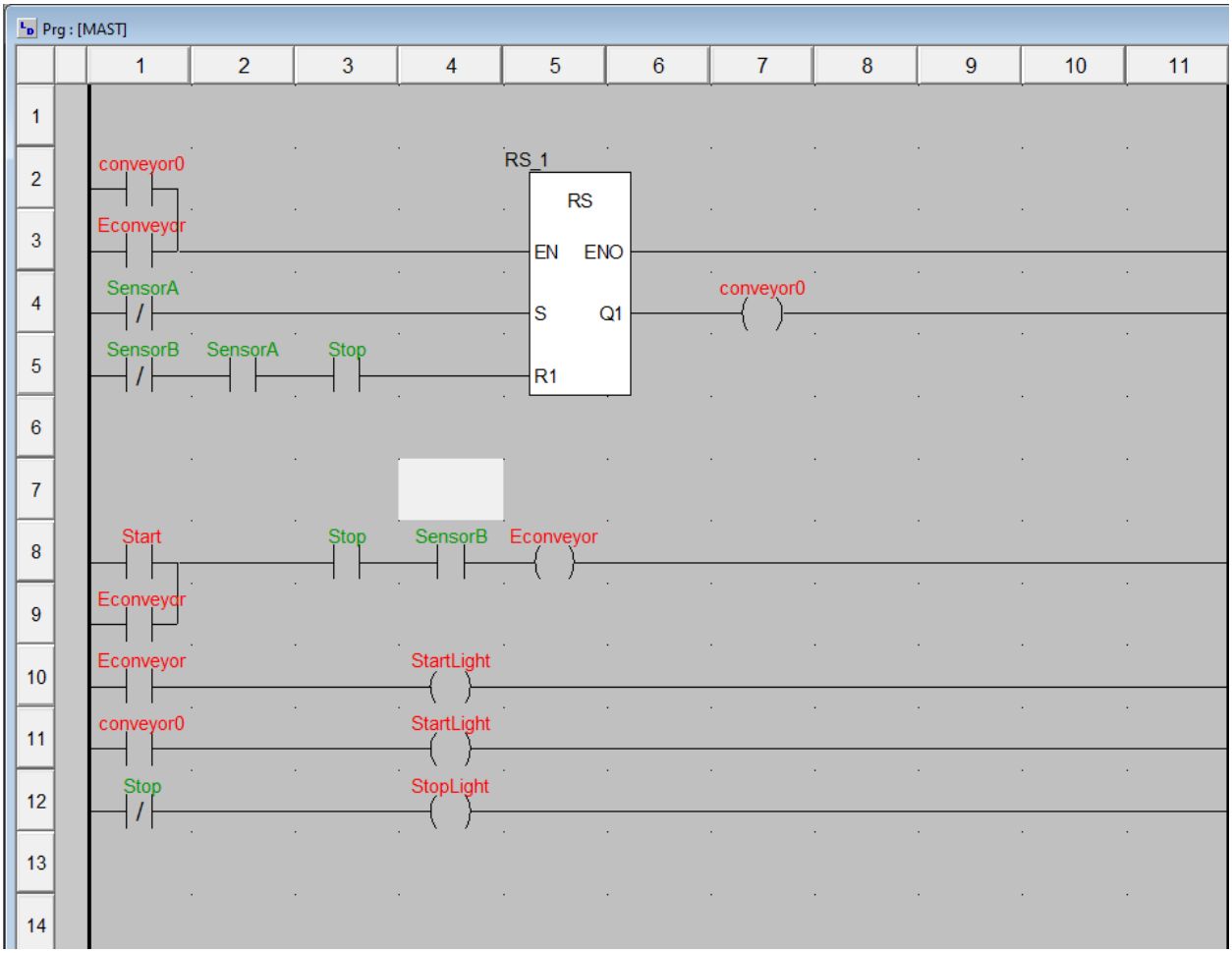




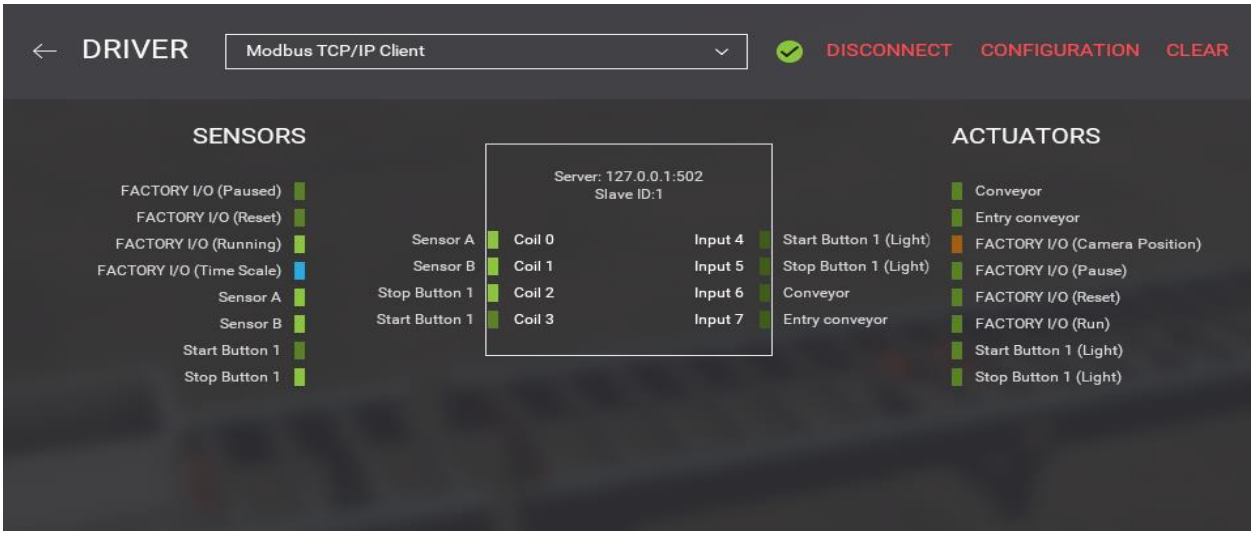
2.Data variable :



3.Main PLC program (ladder diagram) :



4. Factory IO Client Server settings :



6.Factory IO: Docked Sensor and actuators tags when the system is running.

1 Default Sensor Value