

PLC Lab 5: Metal Component Detection and Sorting

Objectives

1. Detect unmatched metal pegs
2. Reject incomplete components with solenoid into reject bin
3. Integrate into existing routines

Procedure

1. Execute sorting and queuing routines to prepare assemblies
2. Use sensor along the belt conveyor to detect objects
3. Gate sensors and outputs such that objects can be determined and sorted / rejected.

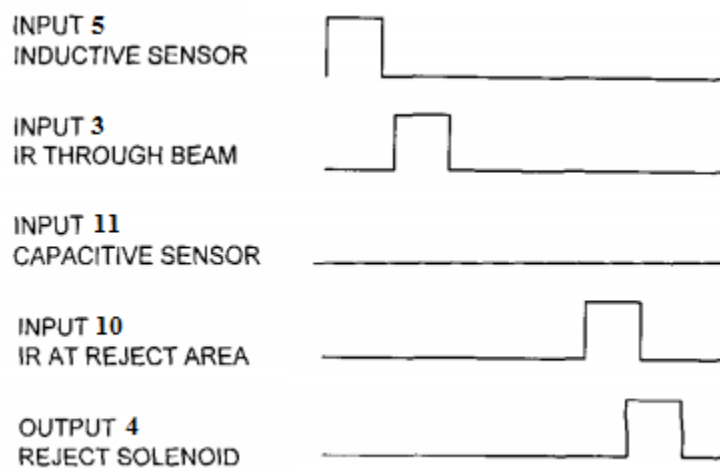


Figure 4: Sensors Signal Sequence for Metal Component