

Case Scenario	System Output
Object is on the left	Left motor activates
Object is on the right	Right motor activates
Object is on both sides	Both motors activate
Object is in the middle ($\pm 21.8^\circ$)	Both motors activate
Object is on left, then no object on left	Left motor activates once sensor picks up object; after leaving and returning to left region, left motor deactivates once cane leaves left region
Object is on right, then no object on right	Right motor activates once sensor picks up object; after leaving and returning to right region, right motor deactivates once cane leaves right region
Object is on left, then object is still on left	Left motor activates once sensor picks up object; after leaving and returning to left region, left motor remains on once cane leaves left region
Object is on right, then object is still on right	Right motor activates once sensor picks up object; after leaving and returning to right region, right motor remains on once cane leaves right region