State Transition Table  
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| --- | --- | --- | --- | --- | --- |
|  |  | I1 | I2 | I3 | I4 |
|  | **Input Current State** | E-stop | Button feedback control | Button velocity control | Button position control |
| S1 | Power off |  |  |  |  |
| S2 | Power on |  |  |  |  |
| S3 | Open loop control |  |  |  |  |
| S4 | Closed loop control |  |  |  |  |
| S5 | Torque control |  |  |  |  |
| S6 | Velocity control |  |  |  |  |
| S7 | Position control |  |  |  |  |