

| <u>Type</u> | <u>Name</u> | <u>Description</u> | <u>Values</u> |
|-------------|------------------|---|------------------------|
| Input | Time Schedule | Feeding times | 07:00 - 19:00 |
| Input | Portion | Monitors the portion sizes | 80g (cat) - 120g (dog) |
| Input | Weight of Bowl | Ensures that bowl is not being overfilled | 100g |
| Input | Food Funnel | States how much food is currently in the funnel | 0 - 100% |
| Input | Jam | Notifies is there is a jam in the funnel | True/False |
| Output | Monitor Dispense | Dispenses food out of the funnel | Rotate (n) of Degrees |
| Output | Alert | Alerts user is bin is low or empty | Send notification |
| Output | Led Status | To show status of the feeder | Red:Green LED |
| Output | Log Entry | To keep a log of all previous feeding actions | Last 7 days |