

Part 5: Debug and Verify

Pets Eat as expected:

If the pets eat as expected, the system will work through as usual and won't activate any Booleans until the feeder needs filling. It could be helpful to add an output that tells the staff that that specific pet is eating properly.

Pet does not eat:

If the bowl weight doesn't change for 10 minutes, the system will send an alert to the staff. The issue with this is that the pet might be sleeping or not be focused on eating. A way of making it a bit better could be adding a sensor to see if the pet is present at the bowl before sending the alert, encase they are not focused on the food.

Food bin is empty:

When the food bin is empty, the staff will receive an alert so they can fill the feeder. The program checks every 2 seconds to see if it is filled, and afterwards dispenses the food normally. To refine the system, once the feeder has a bit more than the number of grams going to be dispensed into the bowl, the alert will be sent. This will allow the pet not to miss a feeding time if staff are busy.