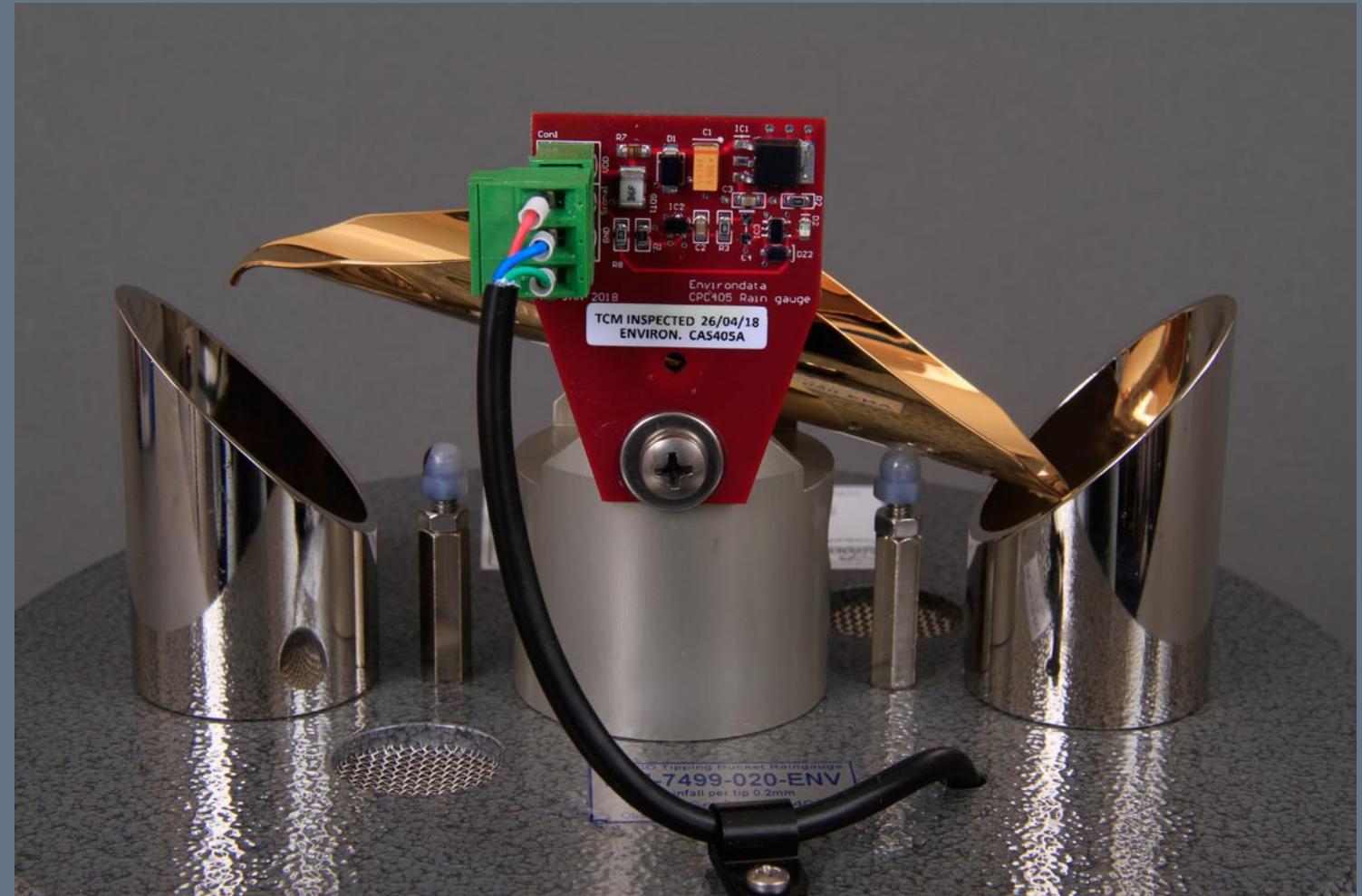
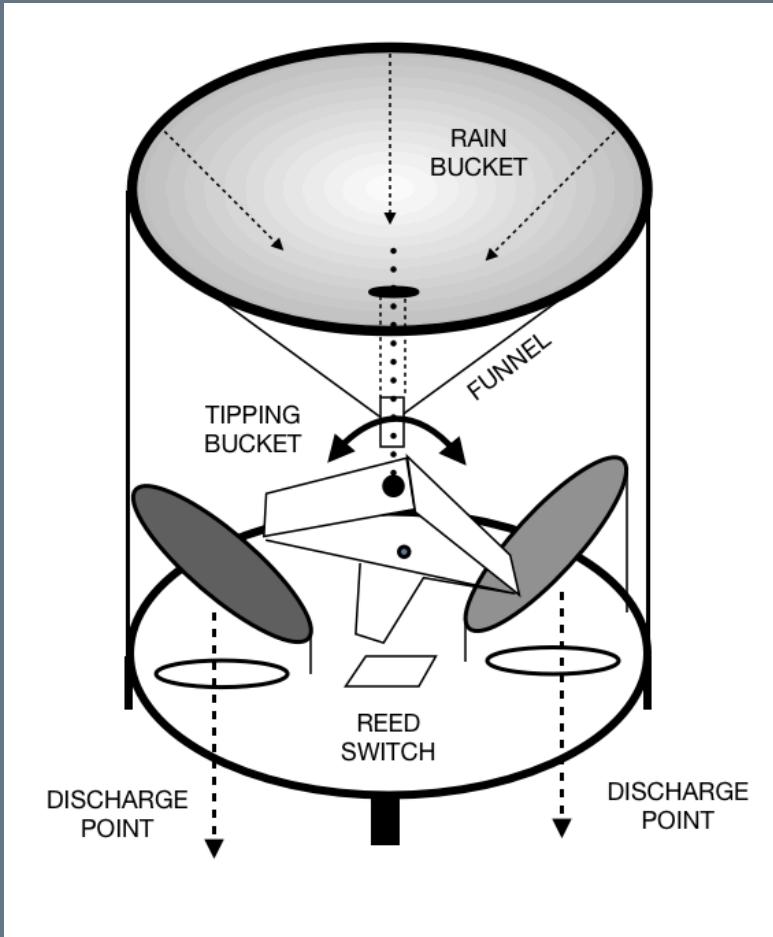
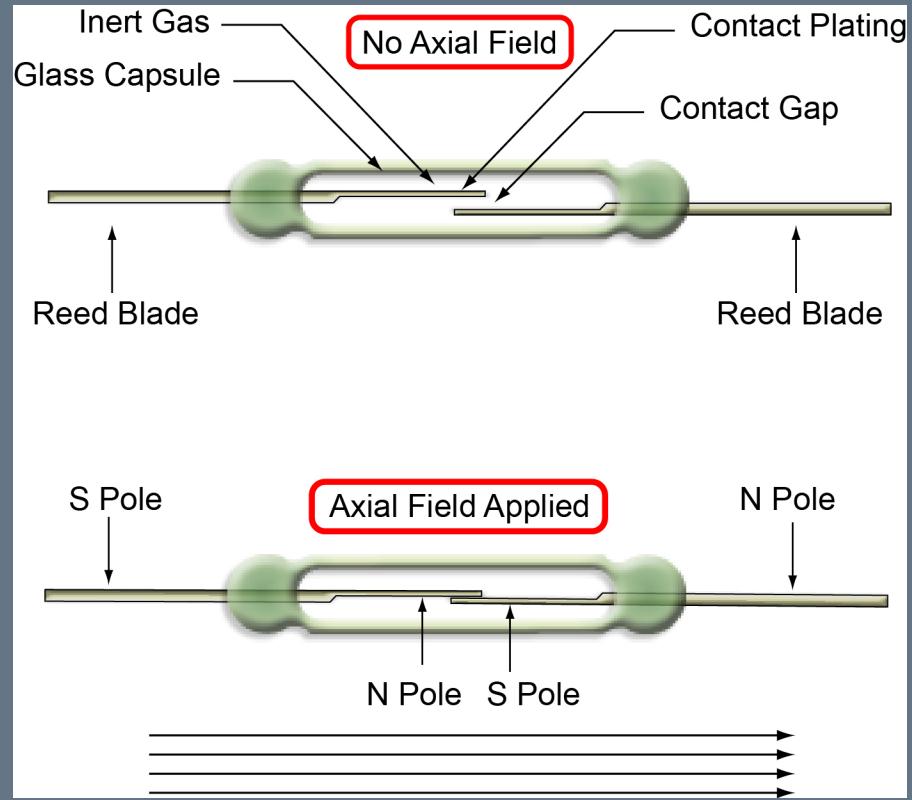


# Tipping Bucket Rain Gauges

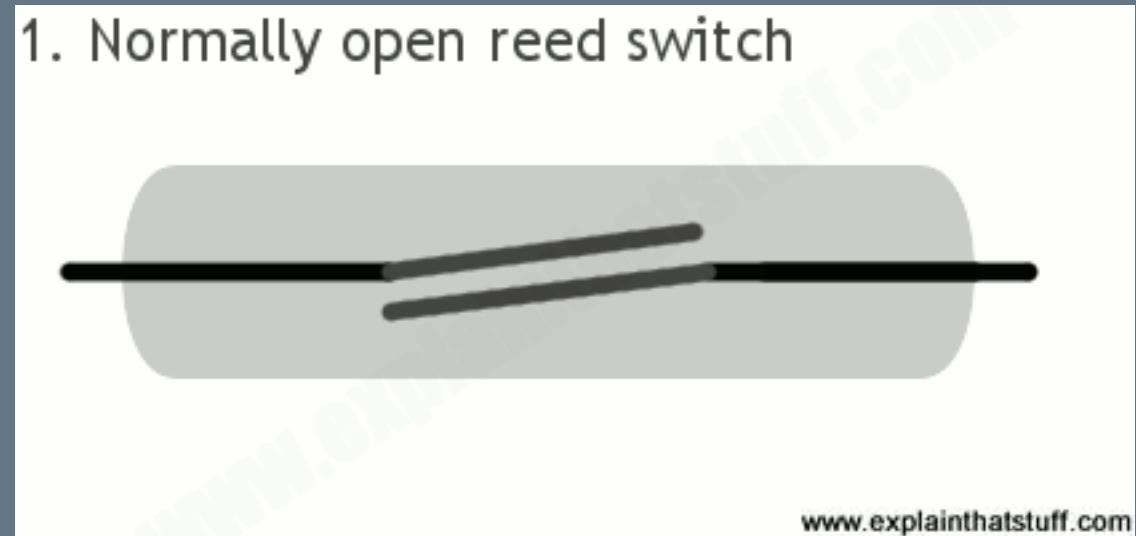


Each bucket tips when filled with a calibrated amount of water.  
Each 'tip' is counted.

# Tipping Bucket Reed Switches

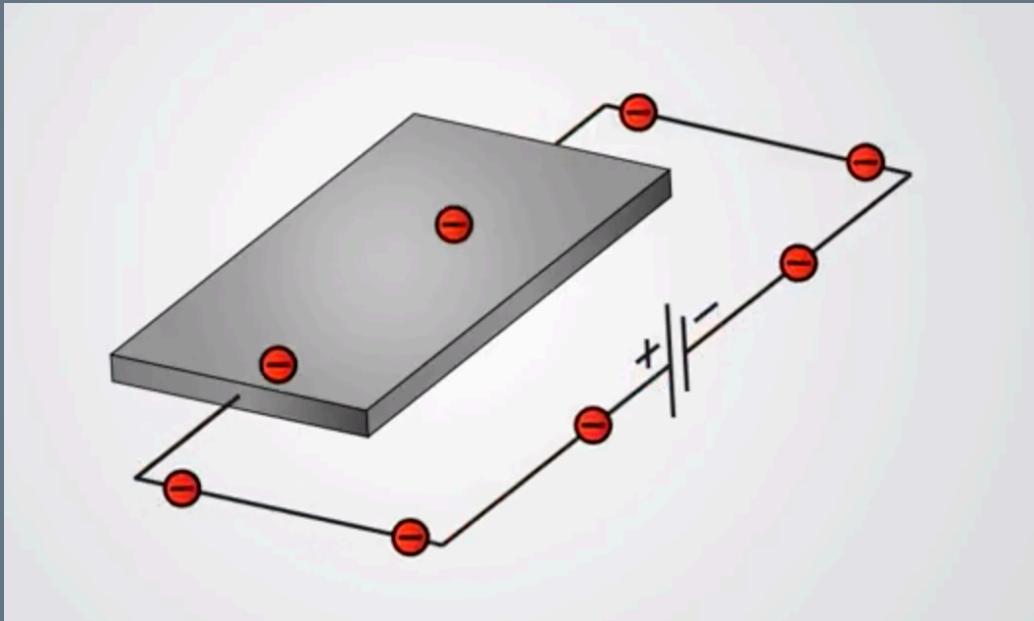


1. Normally open reed switch



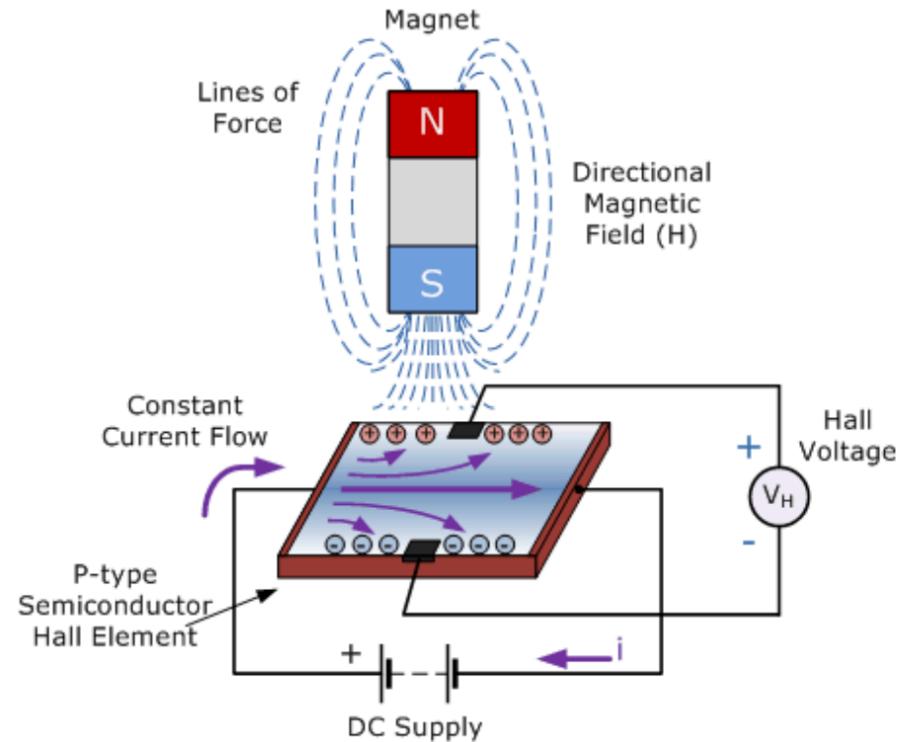
When a magnet is near a reed switch the circuit closes and can be read by a data logger.

# The Hall Effect



No magnet, charges travel straight across plate.

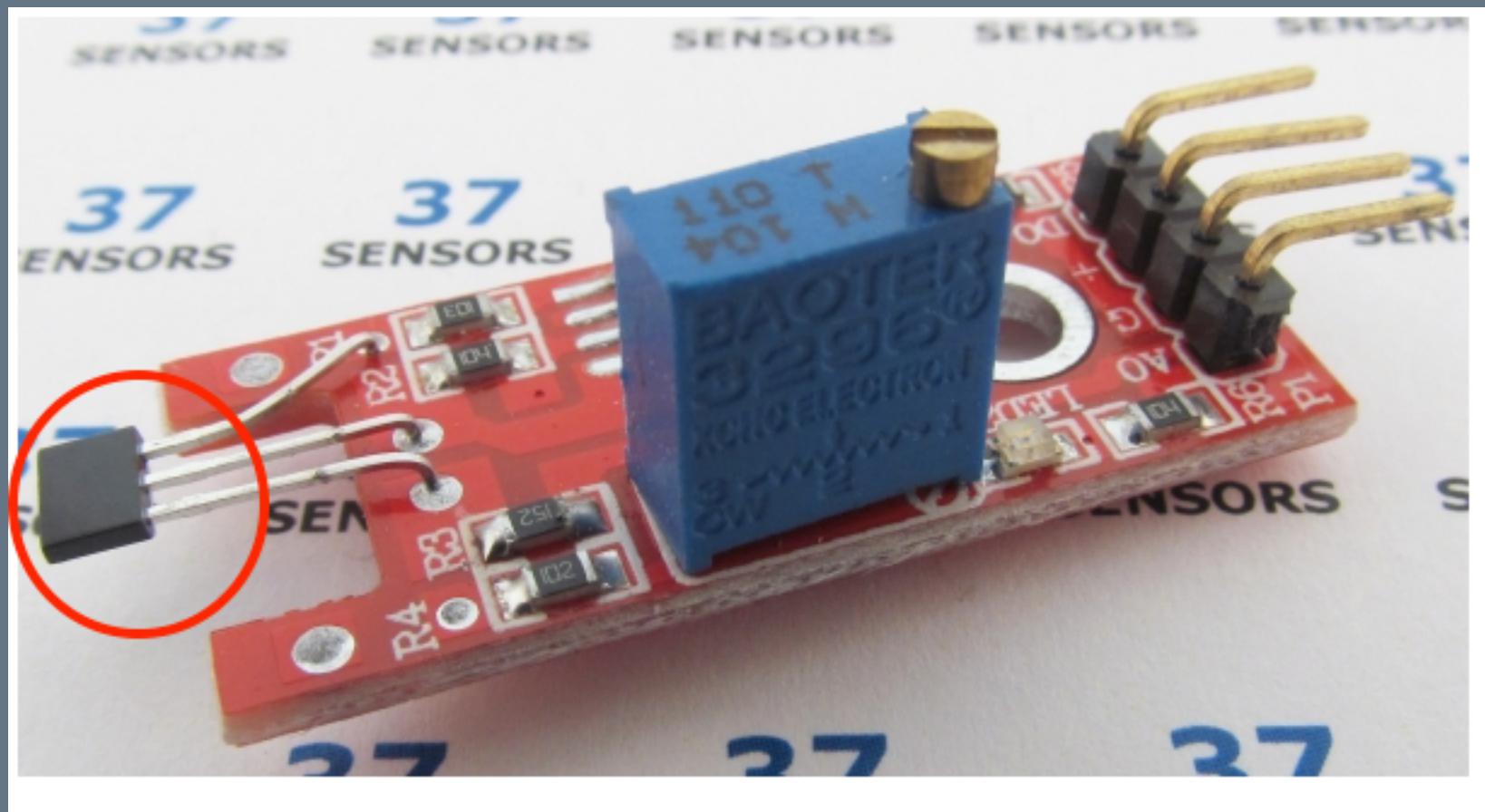
## Hall Effect Sensor Principles

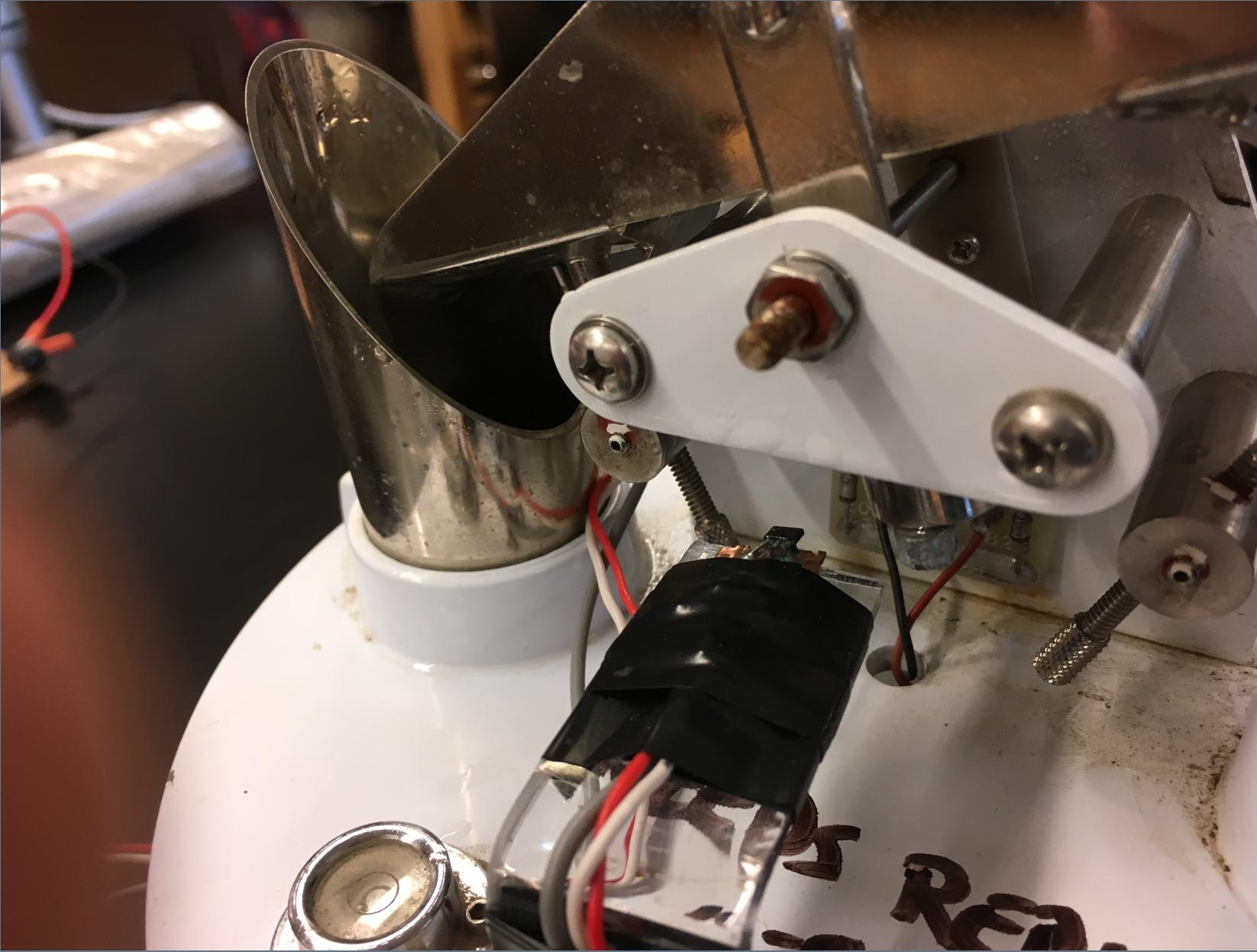


Magnet causes charges to be “pulled” to one side causing a voltage to develop across plate.

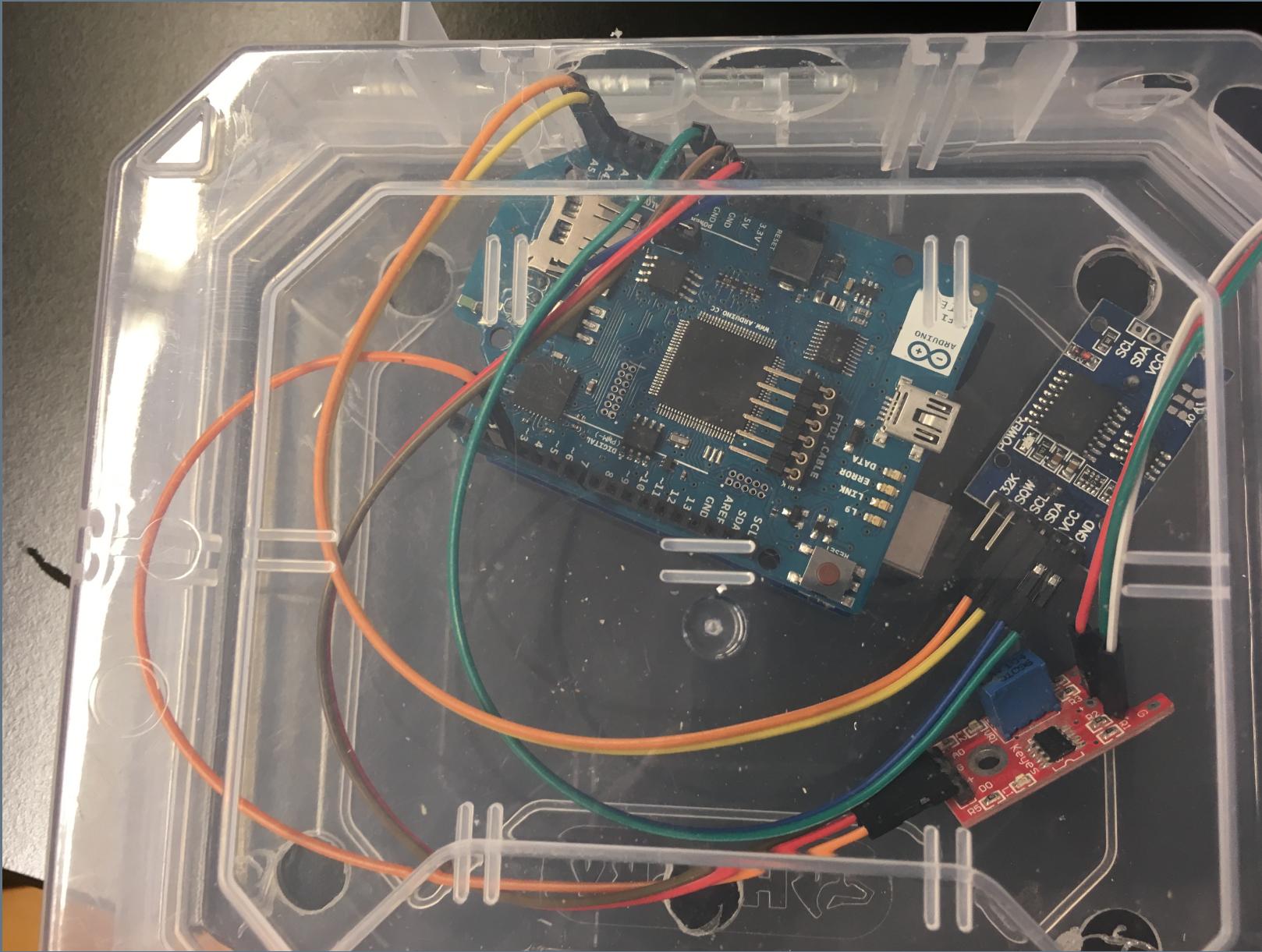
- <https://www.electronics-tutorials.ws/electromagnetism/hall-effect.html>

# Hall Effect Sensor

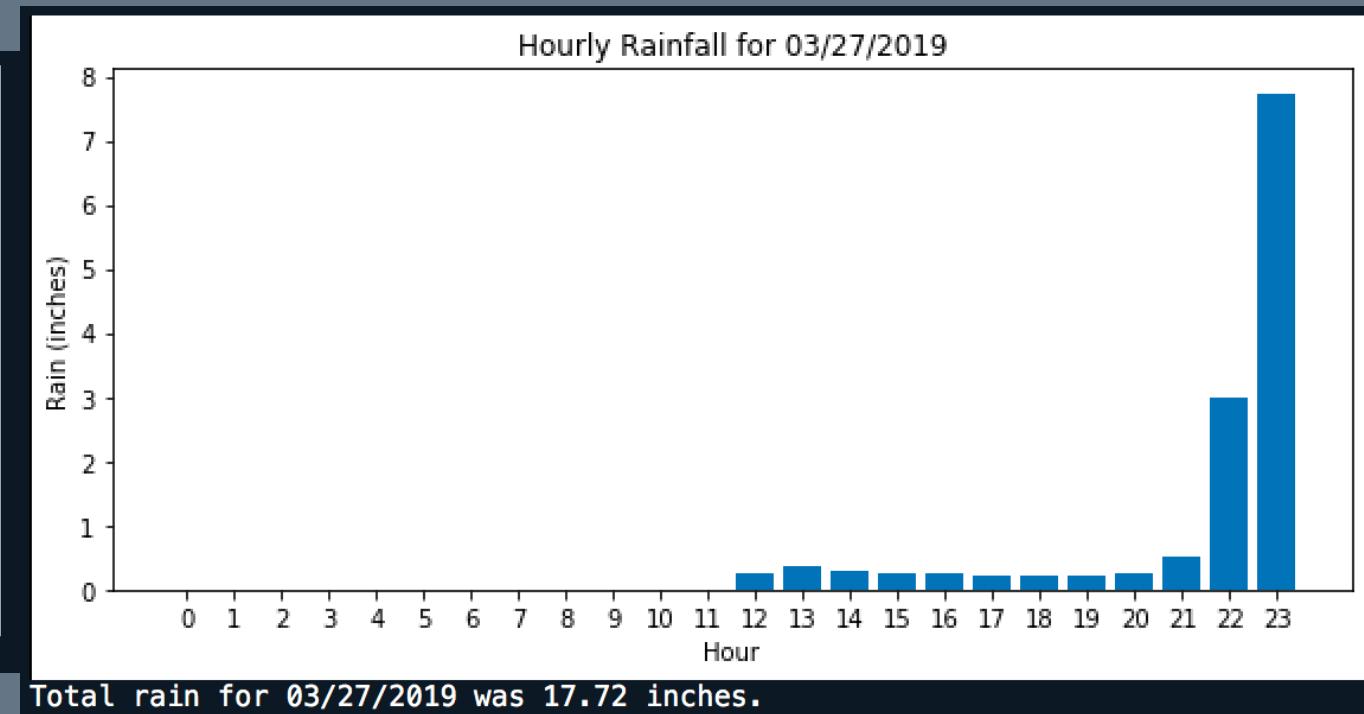
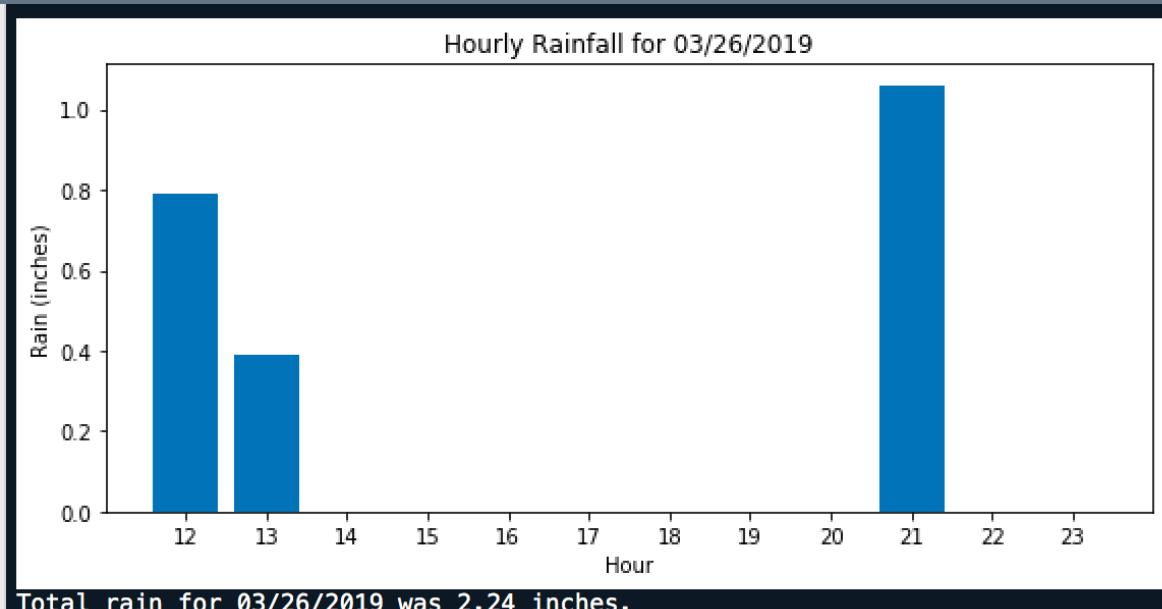




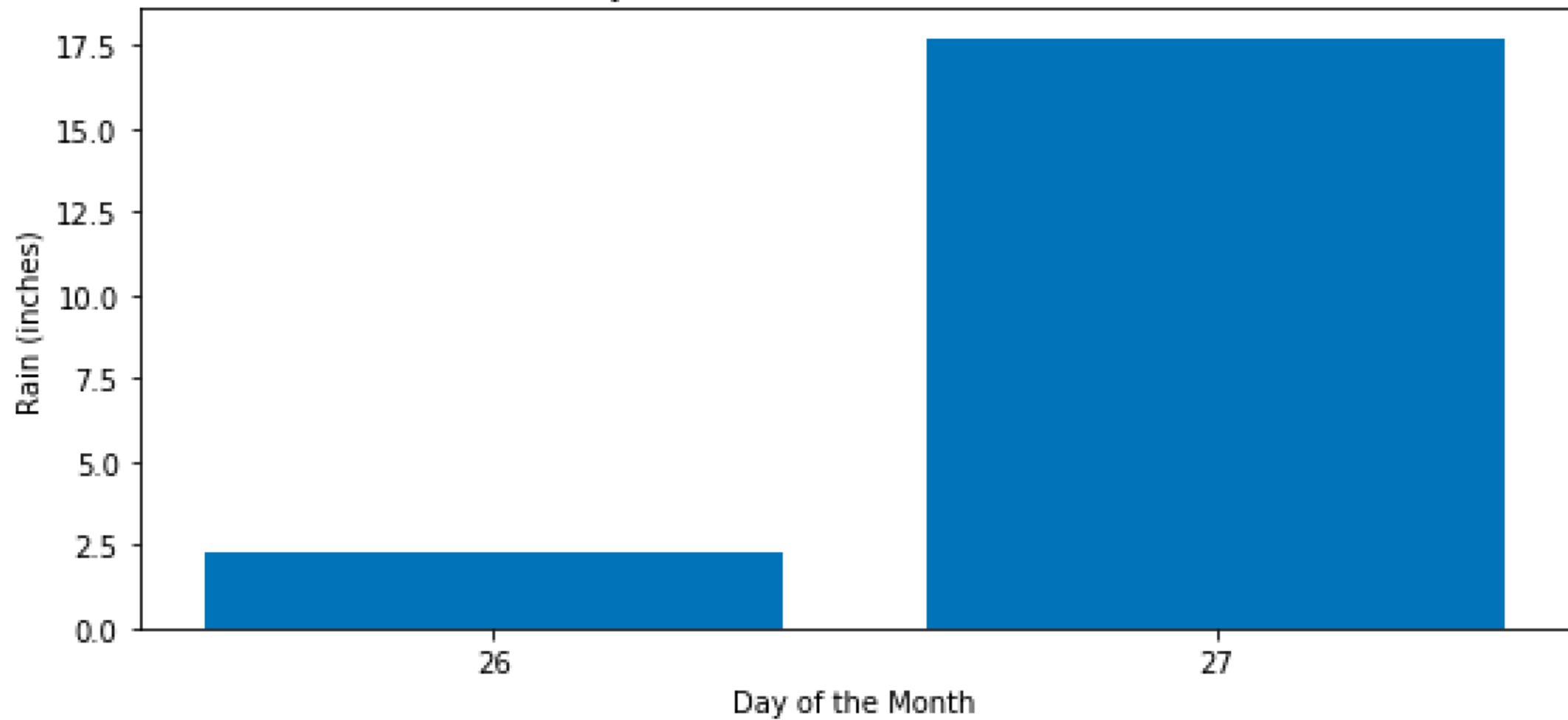




# Hourly Totals



### Daily Rainfall for the month 03/2019



Total rain for the month of 03/2019 was 19.96 inches.

# Total Rain Recorded.

