Atmospheric Water Extraction Device Operations Manual

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Table of Contents

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1 Introduction

The scope of this document is to instruct the proper use of the Atmospheric Water Extraction Device.

2 Features

- Heat Exchanger
- Cooler
- Lid
- Fans
- Arduino

3 Operation

To properly operate, the device must be plugged into a 120V AC outlet. This powers the cooler, fan, and arduino. It should be plugged to allow cooling before the arduino and fans are used to have the proper temperature change differential and collect the most amount of water. Once everything is connected to a power source nothing else is needed from the user.

4 Data Logging

The program to run the device must be loaded onto the arduino. The Code automatically logs the data to the SD card. The SD card can be plugged into any computer with an SD port.

5 Components