Bill of Materials						
General Type	**Part Name**	**Quantity**	**Function**	**Finish**	**Manufacturing Process**	**Relevant Dimensions**
Attachment	Attachment	1	turn the physical switch	high temp plastic	3d printed	35 x 35 x 35 mm
	motor holder	1	Protect the actuator	high temp plastic	3d printed	50 x 50 x 41 mm
Controls	**ESP32**	1	microcontroller to control switch functions			
https://www.amazon	**DHT22**	2	temperature and humidity sensor *updated for quality		soldering	
https://www.amazon	**12V battery pack**	1	holds the batteries			
https://www.amazon	stepper motor	1	motor to rotate switch			
https://www.amazon	**L298N motor drive controller**	1	motor driver board			
https://www.amazon	**AA batteries**	8	power the circuit			
	Rubber strip	1	hold the attachment tightly on the switch	rubber		
	10K ohm resistor	1				
	voltage regulator 5v	1				
	100nF ceramic capacitor	1				
	1uF Electrolytic capacior	1				
https://www.amazon	**LCD Display**	1	Display temperatures			
	Heat sink	1	absorb heat created from voltage regulator			