**Main Board**

1x Arduino Uno

1x SD card board for Arduino Uno + 32 GB SD card

Wires for connections

1x Clock module DS3231 + battery

1x Arduino enclosure

**Rain Sensor**

1x Rod of 3mm diameter and 30mm length (steel, aluminium...) possibly a little filed down to reduce to 2.95mm.

1x Reed switch 1.8x7mm

1x Round neodymium magnet 4x2mm

2x Bolts M3x6mm

4x Bolts or screws to fix the base on your support.

Wires, connector as you like to connect to the reed switch.

A drop of glue to fix the magnet.

3D structures printed in ABS

1x 1k ohm resistor

**Temperature and Humidity Sensor**

1x AHT10 Sensor

3D structures printed in ABS

3x Bolts 10.5x0.5 cm and sow

1x Bolt to fix the sensor in place

Wires

**Wind Sensor**

1x Reed Switch 2x14mm

Wires

3D structures printed in ABS

1x Sealed bearing, 5 mm ID, 8mm OD, 2.5mm thick

1x Rod for the bearings 5mm OD

1x 1k ohm resistor

**Structure**

235cm x 4.83cm diameter PVC pipe

3x T junction of 4.83cm diameter

2x reduction from 4.83cm to 3.34cm diameter

1x reduction from 4.83cm to 2.66cm diameter

20cm x 3.34cm diameter PVC pipe

10cm x 2.66cm diameter PVC pipe

**Energy**

1x Capacitor of 100uF and 16V

1x Diode 1n4007

1x Panel having minimum of 4 Wp and 0.48 and 9V

1x Rechargeable battery of 9.2 Ah and 9V (If use on winter)

1x Rechargeable battery of 8.2 Ah and 9V (If not using on winter)

Wires

**Light**

1x LDR 5mm

1x 1k ohm resistor

Wires