

# DC Wall Box Alarm 00400D

## Replace Inlet Air Thermal Sensor

Jan. 2, 2020

DS14\_v1.0



# Tool Preparation



**Terminal Pliers (0.25-6)**



**Screwdriver (PH3)**



**Diagonal Pliers**



**AVO Meter**



**Thermal sensor**  
p/n: 091103PJ16

**Terminal**  
p/n: 304023800S



# Reference OI

## Remove side cover

- Reference: DS07\_DC\_Wallbox\_Replace filter\_v2.1

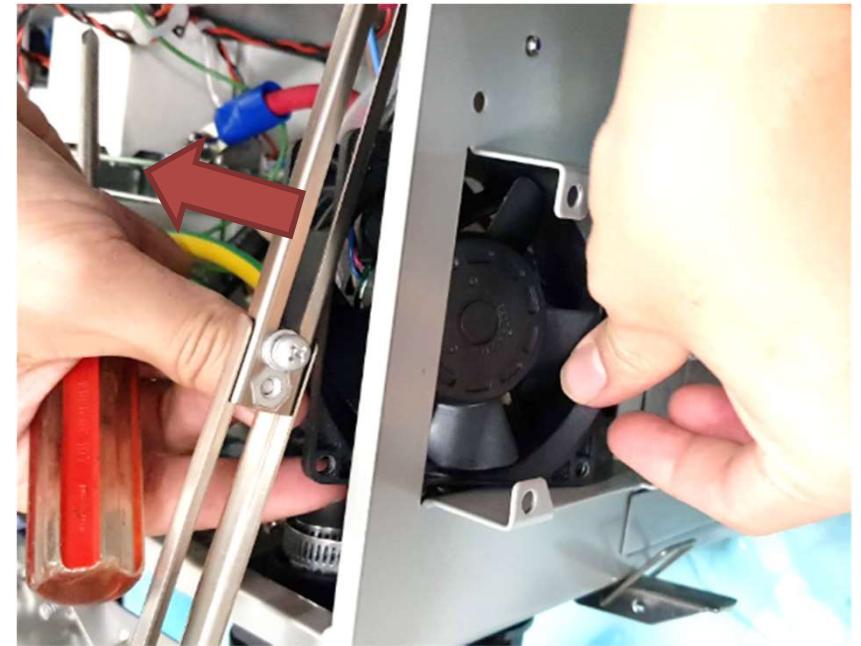
## Open case and front door

- Reference: DS01\_DC\_Wallbox\_Replace CCS relay board\_\_v1.0 Step1

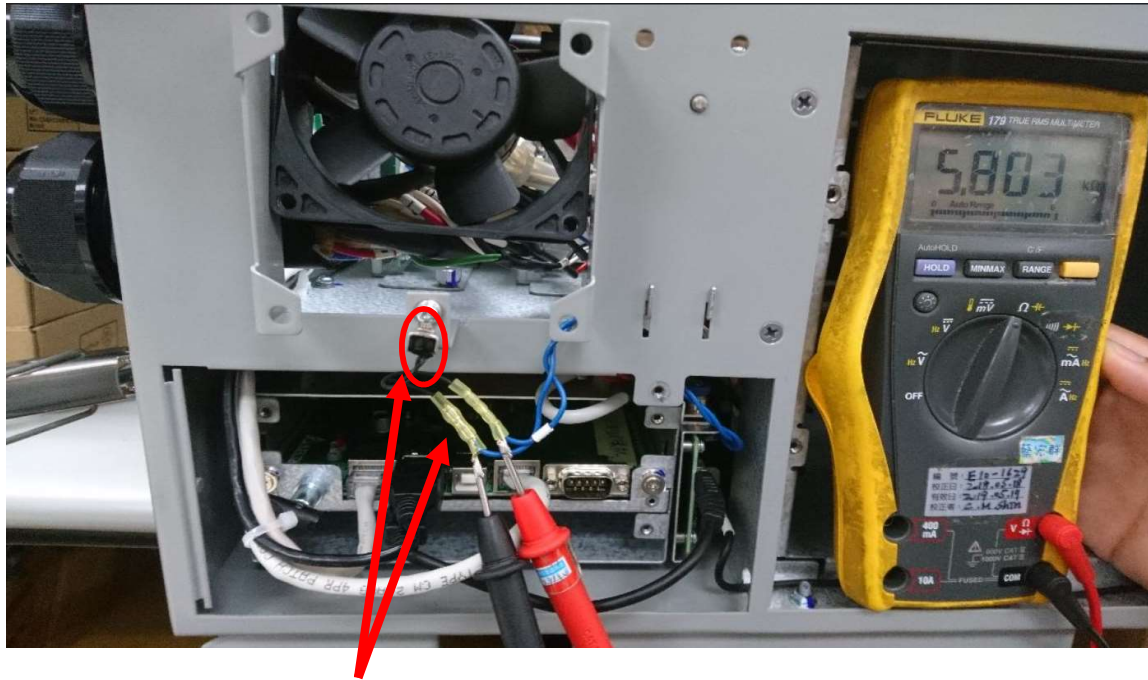
# Step1. Disassemble



Disassemble screw\*4 pcs and push fan inside.



## Step 2. Check thermal sensor with connected

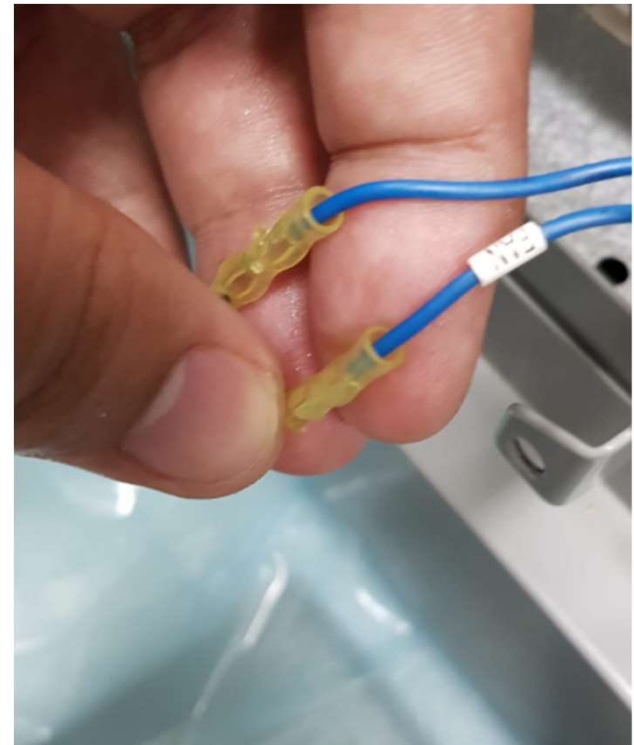


1. Remove the fan guard.
2. Push in the fan to pull out the two wires of the thermal sensor. Measure the resistance across the two wires at the locations of the yellow tubes through the tiny tips of the multi-meter. You may need to use tiny tips to access to the metal parts inside the yellow tubes.
3. The resistance is about **5.8kOhms** at 25 degree C. **If not, continuous to next step.**

## Step 3. Remove thermal sensor



Disassemble screw and pull out the wire of temperature sensor.



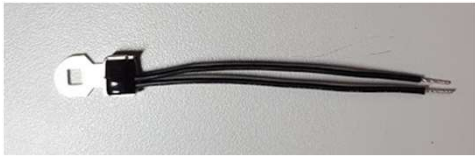
## Step 4. Check thermal sensor individually

1. Cut wire.
2. Check thermal sensor resistance is between 190k Ohm to 2k Ohm or not.
3. **If yes**, the sensor is no problem, replace CHAdeMO CSU.
4. **If no**, the sensor is broken, replace thermal sensor.



# Step 5. Replace thermal sensor

1. Clamp the thermal sensor and terminal tightly.
2. Clamp the blue wire and sensor terminal tightly.
3. Install thermal sensor and assembly



Thermal sensor



Terminal



1



2





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