FLŌ ENERGY SOLUTIONS	Troubleshooting Guide	SE-GEN-02
Title:	CPC RH Sensor 203-5751 & 203-5752 (Troubleshooting)	

Overview

This document outlines the common troubleshooting steps to perform when you have a CPC RH Sensor (203-5751) or a CPC RH/Temp Combo Sensor (203-5752) that is not operating as expected.

Why is my controllers displayed humidity reading double what my measuring device is reading (I have a CPC 203-5752 installed)?

1. Check the sensor's jumper position. The RH10/5V jumper should always be positioned on the right two pins (0-5 VDC).

Why does my controller always display the same Humidity reading and the value never changes?

1. Check the sensor wiring for reversed power polarity. This sensor is polarity sensitive. The humidity reading will never change if polarity is reversed.

Why is my controller always displaying zero for the humidity reading?

1. Verify the wiring is correct at the sensor and controller, recording the wire colors used.
2. Verify and record the input power for the sensor at the sensor's wire termination point.
3. Verify and record the RH out voltage reading at the connection point on the LVTB or controller.
4. Verify the sensor's jumper is set to 5V, not 10V, if applicable.

What should I do if the Humidity Sensor is reading 1-3 percent off?

1. A positive or negative offset, up to 3 percent, can be installed in most Flō controllers. Record the type of controller and its software version, then follow its navigation guide.

What should I check if the Humidity reading is higher than normal?

1. Check sensor location. The space sensors should be in a central location within the zone. The sensors are to be located away from doors, windows, vents, supply air, heaters, appliances, refrigerated cases and outside walls that could affect the sensor readings. It is important that the sensors are not obstructed by shelving or product as this will negatively influence the accuracy of the readings.
2. Confirm the cable shield wire is connected to ground at the Flō unit. Electromagnetic Interference can result in humidity spikes, if not shield is not grounded.
3. Confirm the sensor is insulated and sealed on the wall. Non-conditioned air can creep inside the sensor housing from the attached electrical box and conduit.
4. Install an offset of 1-3%, as needed.
5. Confirm the Flō unit is free of alarms and operating properly.

If additional assistance is required, call Flō Tech Support at 1-888-598-1198 OPTION 1.