Note on wind direction encoder Rev B.1 v.s. B.2

There is a slight difference between the revision B.0and B.1 wind direction encoders. The later rev has a second R-C filter added on the sensor itself, forming a voltage divider for an output voltage of 0- 3V.

The PCB in the Davis setup is using rev. B.1. PCB where these components where located on the main board.

You will need to add two resistors and one capacitor between the output and the input of your MCU to achieve a fully filtered DC signal between 0 and ~3V.

I enclose the schematics for both revisions so you can see the difference and add the voltage divider accordingly.

Have fun with your project and let me know how it works out.

Cheers

Gary Stofer