

Assignment 2

Dew point Generator / Scientific Data Logger

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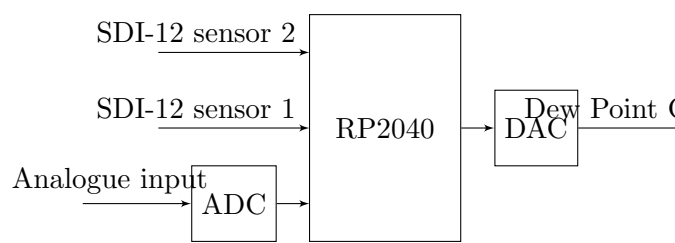


Fig. 1. Block of diagram of the system

Intro

This is my cool document. I have a lot of cool things to say. I was here. **note to self: Improve this introduction**

i can use citations too Wikipedia contributors (2024).

Feature Demonstration

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Components

Feel free to move and change the name of this subsection later

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As seen in fig. 1 there were lots of blocks

Sensors

SDI-12

Load Cell (MT603) analogue signal, therefore requires ADC?

Sap Flow Sensor (SF5) uses SDI-12

Leaf thermistor uses SDI-12

Things to Consider: - crystal like in assignment 1? - ADC for load cell?

Discussion

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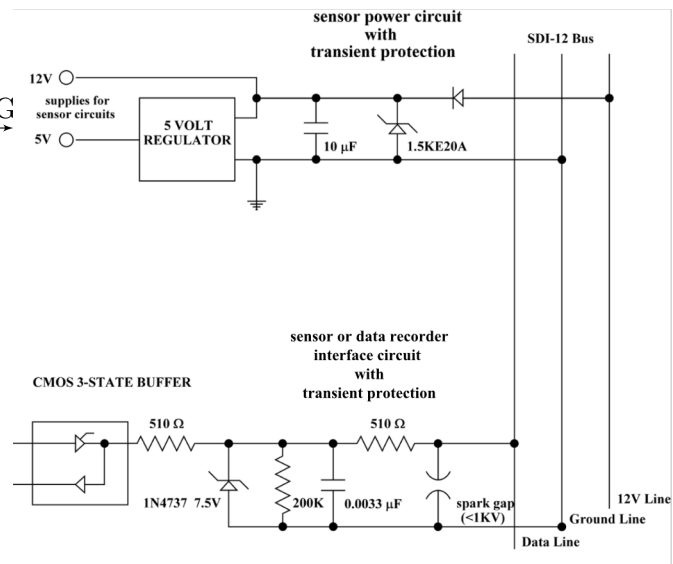


Fig. 2. SDI-12 Circuit

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Conclusion

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Appendix

References

Wikipedia contributors, “Normal distribution — Wikipedia, the free encyclopedia,” 2024, [Online; accessed 12-August-2024]. [Online]. Available: https://en.wikipedia.org/w/index.php?title=Normal_distribution&oldid=1239300278