Experiment #12

Clock

ECE 367

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Schematic, Program Code, and Logic Diagram attached to the end of report.

User Manual:

On startup, the clock will wait for a time input.

Time Input:

To start input, press F

Next, enter the current time in 24hr format (7pm -> 1900)

End input by pressing F again

Toggle Time Format:

To toggle between 12hr and 24hr formats, press A

Speed:

To toggle the clock speed between 1x and 120x, press B

The time can be changed at any point by using the Time Input instructions.

Conclusion:

This lab was simple as an idea, but in execution, required a lot more code and a lot more thought than previously expected.