

10-23-2024 Lochinvar meeting

Sharepoint - Drawing of original fan tester tool

Upload the project proposal to the sharepoint ~~###~~

They will provide oscilloscope screenshot for signals

Isolation - Optocouplers an electric circuit on one side uses light to isolate the two sides of the circuit for the a-chip may not need it or may be best practice

↑ led triggered by input voltage sig.  
look into

Q. 3 + 7 blower is powered  
1 $\phi$  120 V however

fan will be powered separate

from the 120 V  
separate

Q4) Graphs - doesn't need  
a graph but could  
be useful

Q5) More details to come  
take it in on 1 side  
software to replicating  
+ cleaning electrical  
noise.

NutsVolts.com Optocouplers  
there are chips you can  
buy ~~use~~ use it ~~for~~ Protection ~~based~~  
10-20% power surges from the  
opto-Isolator building

blowers EBM Papst Online  
literature describing PWM  
+ tach signal



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list of blowers they used  
will be provided so we  
can do research on the  
signal characteristics.

industrial power surges  
10-20% 480 V 3 $\phi$  is  
a lot of voltage & can  
mess up your micro controller  
due to the flux in voltage.  
so look into opto-isolators  
best practice  $\leftarrow$