

Infrared Thermography Report
USG Greenville, MS
October 2022

All electrical panels were scanned using a  **FLIR T865** infrared camera. The following report only contains defects that were found during the survey. Below is our classification system for each defect included in this report. If there are any questions or comments, please feel free to contact us at any time.



employs a three-tier defect rating system:

CLASS I: A defect or defects are present that are likely to cause a problem in the long term (2-6 months). Should be addressed in the normal course of maintenance scheduling.

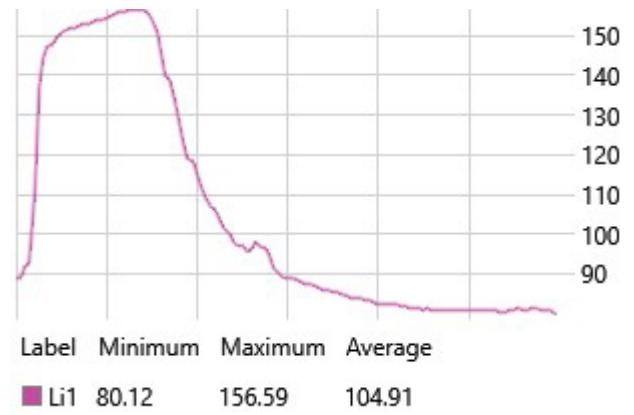
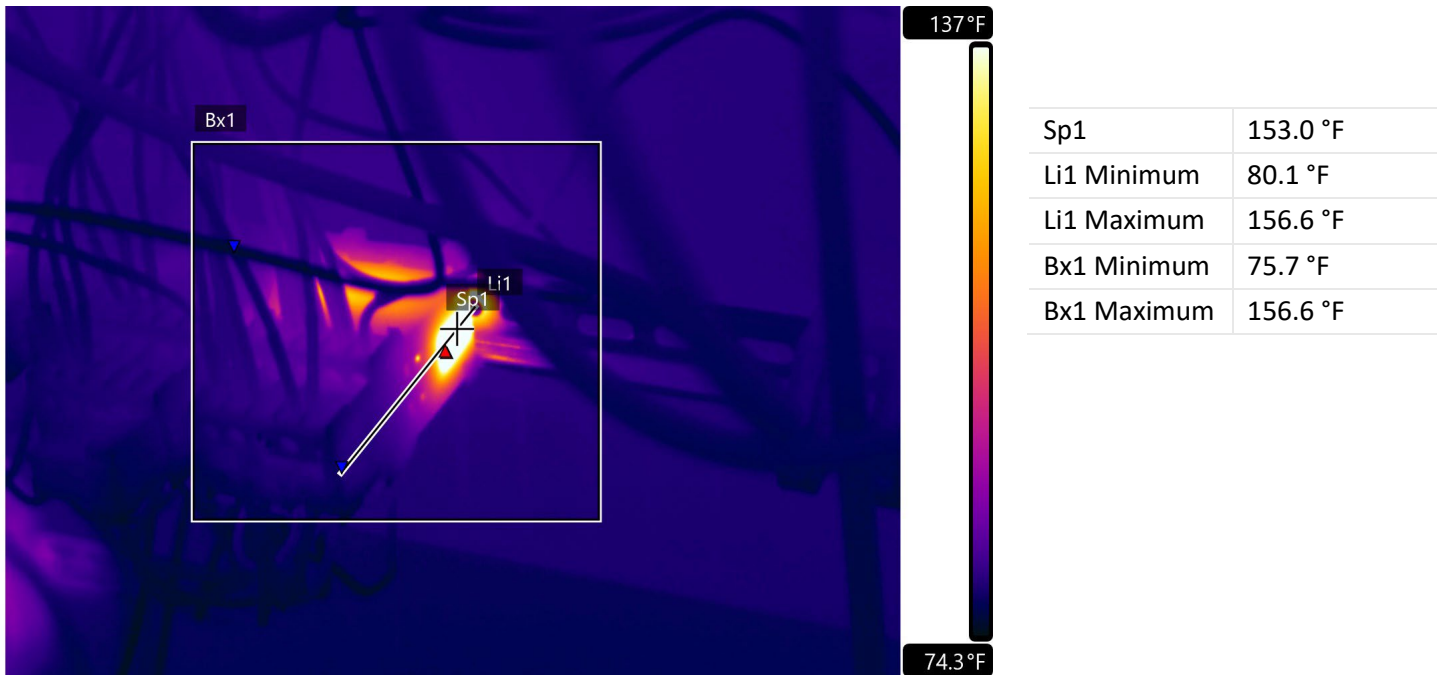
CLASS II: A defect or defects are present that are likely to cause a failure in the short term (less than 2 months). Should be addressed as soon as practical, on a high maintenance priority. Consideration should be given to increase monitoring frequency.

CLASS III: A defect or defects are present that make continued component reliability unpredictable and likelihood of secondary damage is high. Consideration should be given to an unscheduled shutdown to correct.



tests and inspects industrial machinery and equipment and makes recommendations concerning maintenance and repairs based on its experience in the field of industrial repair and maintenance. The information contained herein is provided as an opinion only, not as a guaranty or warranty of the matters discussed herein.

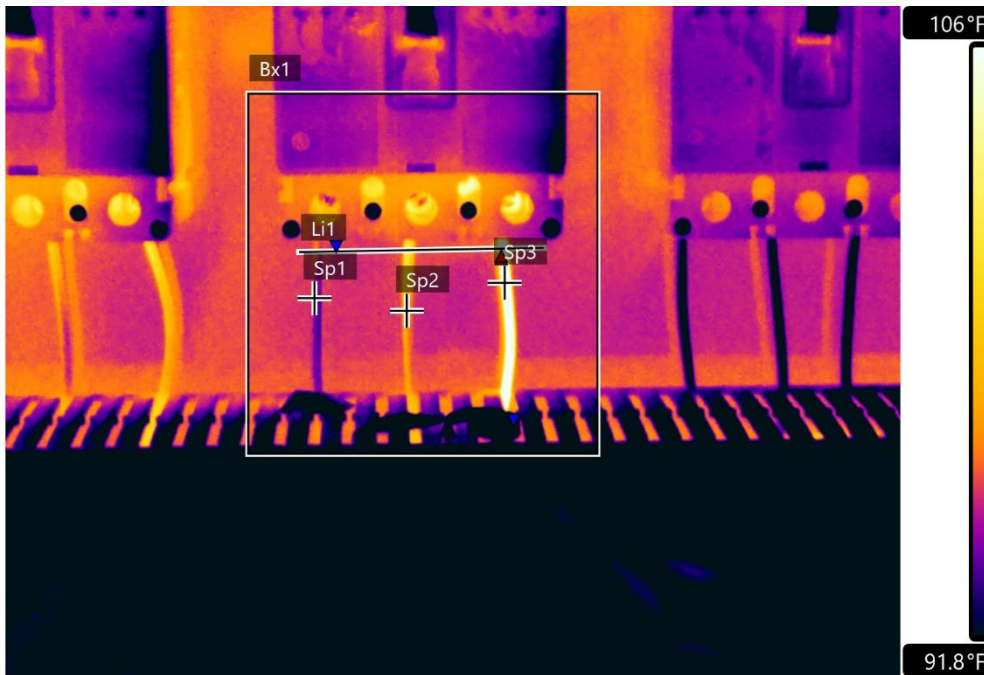
Component	Relay Module
Equipment/Bucket ID	FINISHING VFD-FN4



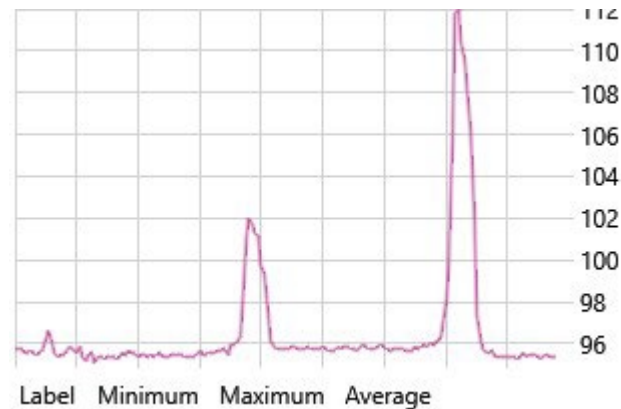
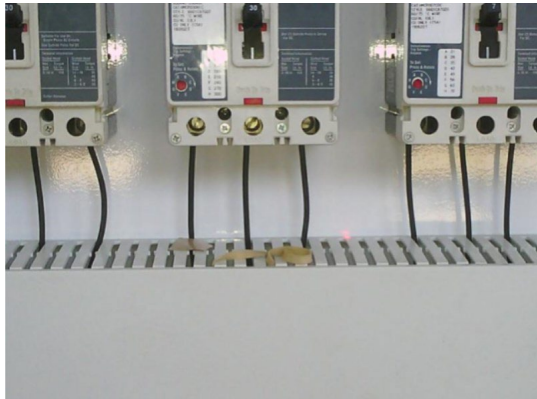
Fault	Faulty/weak component
Defect Rating	CLASS I

Recommendations	<p>This component is believed to be some type of relay. IR image shows some slightly excessive heat on the housing indicating possible faults. It is recommended to replace relay unit as scheduling allows.</p>
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Component	C phase lead
Equipment/Bucket ID	World water works DAFCONTROL panel MMP-RG-0703-A



Sp1	94.5 °F
Sp2	97.5 °F
Sp3	109.9 °F
Li1 Minimum	95.1 °F
Li1 Maximum	112.0 °F
Bx1 Minimum	83.3 °F
Bx1 Maximum	113.3 °F



Fault	Load issue
Defect Rating	CLASS I

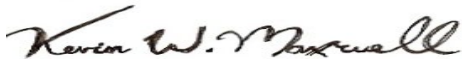
Recommendations	C phase has possible heavier load than A and B phase. Need to perform a current test on each phase and check C phase connection at the load side of the breaker.
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Summary

Image Date&Time	Page number
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10/28/2022 6:57:38 AM	4

This concludes our survey report. Please feel free to contact us at any time for question or comments.

Thank you for your business,



ITC Certified Level II Infrared Thermographer

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