

Classification of Abnormalities in Overheat Detection

A	<5°F	No Action Required
B	5.1 – 25.0°F	Correct Next Scheduled Maintenance Period
C	25.1 – 40.0°F	Correct Prior to Next Scheduled Maintenance Period
D	40.1 – 65.0°F	Correct ASAP
E	> 65.1°F	Correct Immediately

The American Society for Testing and Materials (ASTM) Standards - Guideline for Infrared Inspection of Electrical and Mechanical Systems

Parts 2 & 3 of the Guideline specify temperature limits for electrical and mechanical equipment and outline a number of proven methodologies for prioritizing abnormalities.

Part 2 also includes the IEEE formula for calculating maximum allowable temperature for operating electrical components. This formula is invaluable for establishing pass/fail criteria for components.