

## **Annotation**

The thesis examines the analysis of server overheating with a warning and their technical diagnostic system. In addition, experimental studies have been conducted to understand the theoretical aspects of the temperature sensor, including operating principles, characteristics and quality of the sensor. In order to prevent server overheating: requirements are established for a system for monitoring environmental parameters, power supply, requirements for outputting an alarm to a guard post, requirements for communication channels for notification, requirements for the independence of the monitoring circuit of the main critical parameters from the operability of servers, automatic telephone exchanges, and other equipment, which is being monitored.

