

specifications

The SynapSense® Environmental Monitoring System collects and displays both environmental and power data. The environmental data is collected over the SynapSense® Wireless Sensor Network and the power data is collected via Modbus, BACnet or SNMP. The web-based interface provides data center specific methods of presenting data to the operators, making it quick and easy to identify issues in the operation of the data center. All temperature and pressure data are used to make automated cooling decisions using a separate Active Control software and appliance.

key features and benefits

- Data collection via wireless sensor network
- User customizable dashboards and carousels
- LiveImaging™ - Floor plan graphic overlay of data in colorized format
- Custom reports and scheduling
- Alerts – Custom and predefined
- Enable air flow optimization
- Facilities power and PUE
- PowerImaging™ - Power visibility at the cabinet level

application

Panduit's® SynapSense® Monitoring System enables data center operators to better manage the power usage and environment of their equipment. The system monitors both types of resources and displays them in a graphical form for quick decision making about operational efficiency of the facility.

Users can manage equipment uptime and capacity as well as optimize cooling efficiency without increasing the risk of creating problems for the IT equipment. Because the SynapSense® System uses the SynapSense® Wireless Sensors the implementation is quick and simple.

Predefined or custom alerts are sent to users through email. These alerts include the current reading, configured threshold, equipment effected, and graphic images of the data center, allowing the operator to respond to any issues without logging into the software.

In addition to the benefits that the system provides, it can share the data collected from the wireless sensors with other applications via one of the supported protocols: Modbus, BACnet or SNMP.

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