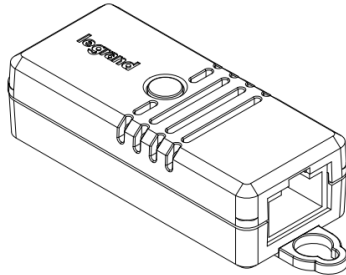


Technical Specifications

Model Number: DX2-T1

Temperature SmartSensor™



APPLICATION

Legrand® SmartSensors are designed to meet the standards and needs of data centers, labs, facilities, network/compute closets, and remote locations like colocation, point of presence (POP), edge, and telecommunication sites.

The Legrand DX2-T1 Temperature SmartSensor monitors temperature in data centers.

Since IT equipment generates considerable heat, device manufacturers specify a range of acceptable temperatures for proper operation. As the power consumed at the rack has dramatically increased, so has the heat generated by IT equipment. Accurate placement of temperature sensors on a rack means temperatures can be monitored to ensure that IT devices do not overheat, and that facility energy is not wasted by overcooling. From a data center plant perspective, the cost of cooling and moving air is a large infrastructure expense. Maintaining IT inlet air temperatures colder than necessary wastes energy and money. Temperature sensors at the rack can also provide early warning about temperature extremes, hotspots, or cold spots and help identify when an HVAC (Heating, Cooling, and Ventilation) system has become unbalanced.

To learn more about SmartSensor features and capabilities, [click here](#).

WHAT'S IN THE BOX?

- One (1) x DX2-T1 Temperature sensor with two (2) RJ45 ports
- *RJ45 cables are not included*

TECHNICAL SPECIFICATIONS

Unit Dimensions (W x D x H)	24mm x 16mm x 55mm
Unit Weight	0.02kg
Power Consumption	80.4mW (peak)

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Temperature

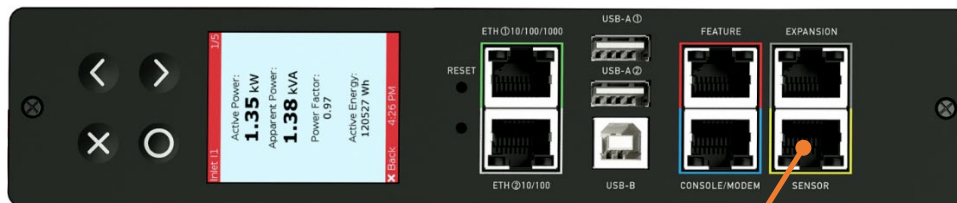
Measurement Resolution Celsius	0.1°C
Measurement Resolution Fahrenheit	1°F
Long Term Drift (LTD)	0.005°C/yr

	Lower Range	Upper Range
Measurement Range Celsius	-20°C to 20°C	20°C to 70°C
Measurement Accuracy Celsius	±2°C	±0.5°C
Measurement Range Fahrenheit	-4°F to 68°F	68°F to 158°F
Measurement Accuracy Fahrenheit	±2°F	±1°F

mW (Milliwatt), ± (Plus-Minus Range of Measurement)

PRODUCT COMPATIBILITY

The DX2-T1 is a plug-and-play sensor that, when connected to an RJ45 Sensor port on the Controller of an intelligent Legrand Xerus™-enabled managing device*, is automatically detected, and its real-time data collected can then be monitored and managed.



RJ45 Sensor Port on a Controller of a Xerus-enabled Managing Device

(Controller designs vary by brand, model, and version)

*Compatible Xerus-enabled managing devices:

- [Raritan® PX4, PX3 Rack PDUs](#)
- [Raritan SRC Smart Rack Controllers](#)
- [Raritan PX3 Inline Meters](#)
- [Raritan PX3TS Rack Transfer Switches](#)
- [Raritan BCM2 Branch Circuit Monitors](#)
- [Raritan PXO Compact PDUs](#)
- [Server Technology® PRO4X, PRO3X Rack PDUs](#)

Technical Specifications

Model Number: DX2-T1

Temperature SmartSensor™



PLACEMENT GUIDELINE

Once connected to an RJ45 Sensor port on the Controller of an intelligent Xerus-enabled managing device—directly to or within a cascade/daisy chain—the DX2-T1 is then typically mounted in a rack or wall/flat surface mounted.

It is recommended to reference the ASHRAE® *Thermal Guidelines for Data Processing Environments* for the suggested placement of temperature sensors along equipment racks.

TECHNICAL DRAWING

