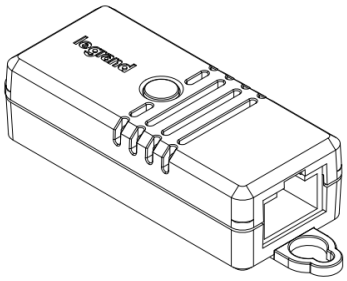
Technical Specifications

Model Number: DX2-TxHx

Temperature/Humidity SmartSensor™ Kits



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-TxHx Temperature/Humidity SmartSensor kits monitor temperature and humidity in data centers.

Since IT equipment generates considerable heat, device manufacturers specify a range of acceptable temperatures and humidity ranges for proper operation. Humidity is a measurement of moisture in the air, and high humidity levels can cause condensation to build up on computer components, increasing the risk of an electric short. Likewise, if the humidity is too low, data centers can experience electrostatic discharge (ESD). Humidity can be monitored per area or zone to ensure that it is in a safe and acceptable range.

To learn more about SmartSensor features and capabilities, click here.

WHAT'S IN THE BOX?

- *DX2-T1H1 Kit*: One (1) x DX2-T1H1 Temperature/Humidity sensor with two (2) RJ45 ports (single combination sensor)
- *DX2-T2H1 Kit:* One (1) DX2-T1H1 Temperature/Humidity sensor with two (2) RJ45 ports + One (1) x DX2-T1 Temperature sensor with two (2) RJ45 ports (3 sensor total in 2 sensor packages)
- *DX2-T2H2 Kit*: Two (2) x DX2-T1H1 Temperature/Humidity sensors each with two (2) RJ45 ports each (2 single combination sensors)
- *DX2-T3H1 Kit*: One (1) x DX2-T1H1 Temperature/Humidity sensor with two (2) RJ45 ports + Two (2) x DX2-T1 Temperature sensors each with two (2) RJ45 ports (four sensors total in three sensor packages)
- *RJ45 cables are not included*

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TECHNICAL SPECIFICATIONS

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

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

Humidity

Measurement Resolution	1%
Long Term Drift (LTD)	0.25%RH/yr
Measurement Range	0%RH to 100%RH
Measurement Accuracy	±5%RH at 25°C

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

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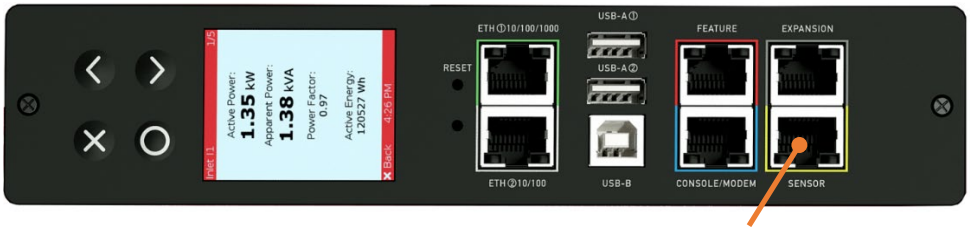
PRODUCT COMPATIBILITY

The DX2-TxHx 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

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-TxHx 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 and humidity sensors along equipment racks.

Technical Specifications

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TECHNICAL DRAWING