

specifications

The humidity sensor will detect and capture relative humidity of air and abnormal conditions to ensure the environment operates within optimum conditions for IT equipment. The humidity sensors will be installed as part of a primary/secondary topology, where the captured humidity data is transmitted to, and retained within, a connected gateway device. This data can be used to display baseline operational data through connected gateway firmware or through the SmartZone™ Software Suite platform.



technical information

Dimensions:	2.8 in. x 2.8 in. x 1 in. (70mm x 70mm x 27mm)
Cable length:	Supplied with 30cm cable terminating in RJ45 socket
Monitoring range:	30%-95% (Non-condensing)
Monitoring accuracy:	+/-5 % RH @ 60°F (25°C), 60% RH
Humidity hysteresis:	0.1% RH to 9.9% RH in 0.1 increments
Operating temperature range:	-4°F to 140°F (-20°C to 60°C)

key features and benefits

Humidity monitoring	Detects and measures relative humidity of air in and around a rack, cabinet, or room in a data center or facility to ensure the environment does not get too moist (preventing moisture), or too dry (preventing the risk of static electricity build-up), thus preventing damage to critical electronic equipment Ability to define the humidity levels appropriate for each sensor's environment
RJ45 connection	Utilizes an RJ45 plug socket to allow standard patch cable connection to a SmartZone™ Gateway port, avoiding time delays during deployment
Gateway-hosted IP address	Connects to a SmartZone™ Gateway device that captures sensor and other device data through one single gateway IP address, reducing the need for separate IP ports, IP capital costs, and management overhead; no setup required the gateway will automatically recognize this as an airflow sensor and auto-configure itself
Versatile mounting	Offers versatile mounting options to accommodate easy indoor deployment in a rack or within a room
SmartZone™ Software suite integration	Captures environmental data that is consolidated by connected gateways and then utilized by SmartZone™ Software Suite modules for real-time monitoring and display, management, and automated documentation

applications

Panduit® SmartZone™ Solutions enable comprehensive energy and physical infrastructure efficiency in data centers, facility domains, and enterprise estates through intelligent software, hardware, and services that provide granular visibility of power, space, environmental, asset, and connectivity information that is accurate and actionable for operational optimization.

Panduit® SmartZone™ Humidity Sensors enable effective data capture of relative humidity conditions at different IT and facility domain points, simplifying the gathering of intelligence in either new or retrofit installations to better understand true operating parameters within the infrastructure. These sensors are designed for indoor mounting to a rack or cabinet in a data center or facility.

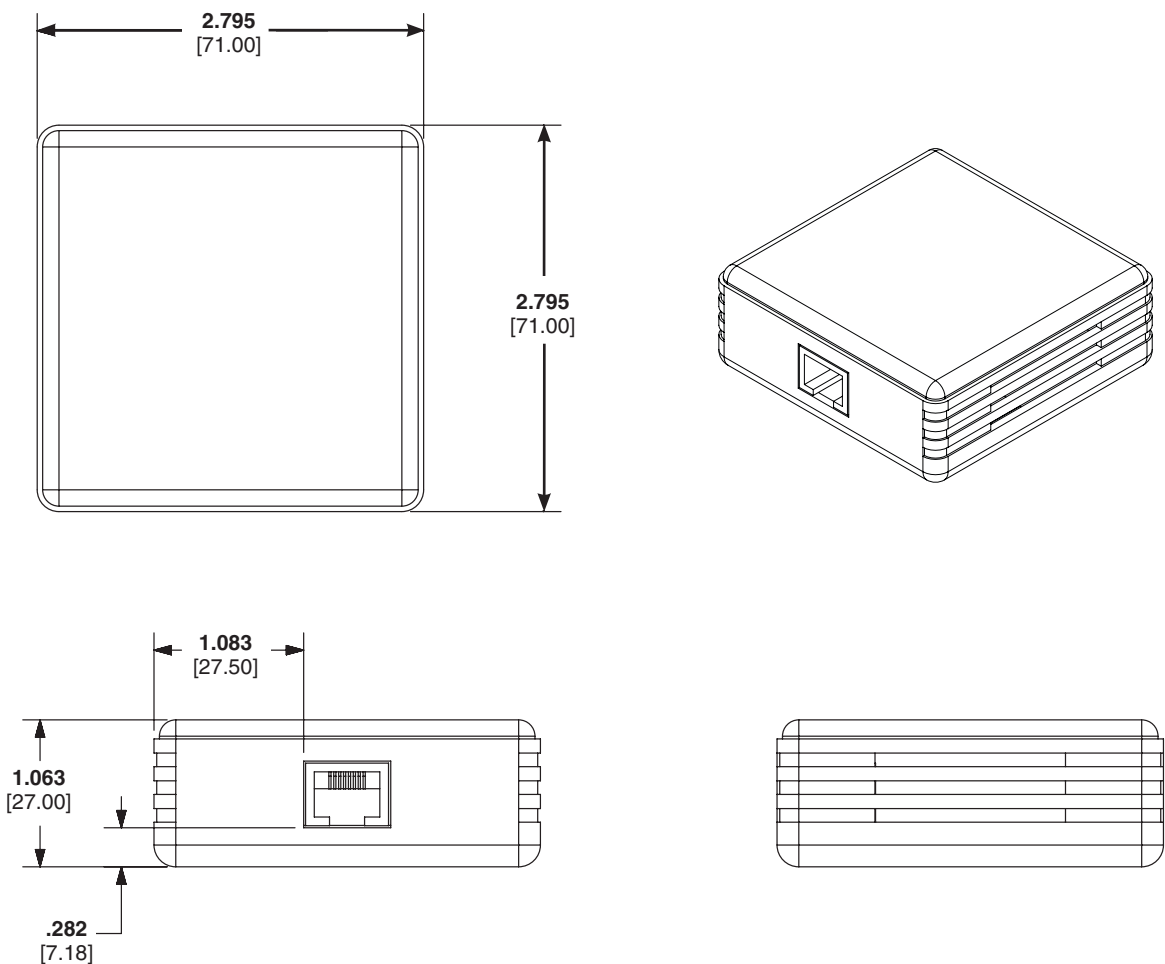
Panduit® SmartZone™ Humidity Sensors connect directly to SmartZone™ Gateways via a supplied standard network patch cable and transmit real-time environmental information through the gateway platforms to SmartZone™ Software to provide notification of exceeded thresholds, quickly identify and resolve issues, and automate collection of real-time and accurate information.

SmartZone™ Humidity Sensor

part number

Item Number	Part Description
ZETHL-10	Humidity sensor (requires patch lead)

dimensions



Dimensions are in inches. [Dimensions in brackets are metric].

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