

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 the baseline operational status through connected gateway firmware or through the SmartZone™ Software platform.



technical information

Dimensions: 2.8 in. x 2.8 in. x 1 in. (70mm x 70mm x 27mm)

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 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 a humidity 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 for real-time monitoring and display, management, and automated documentation

applications

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.

SmartZone™ Humidity Sensors connect directly to SmartZone™ Gateways via a 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

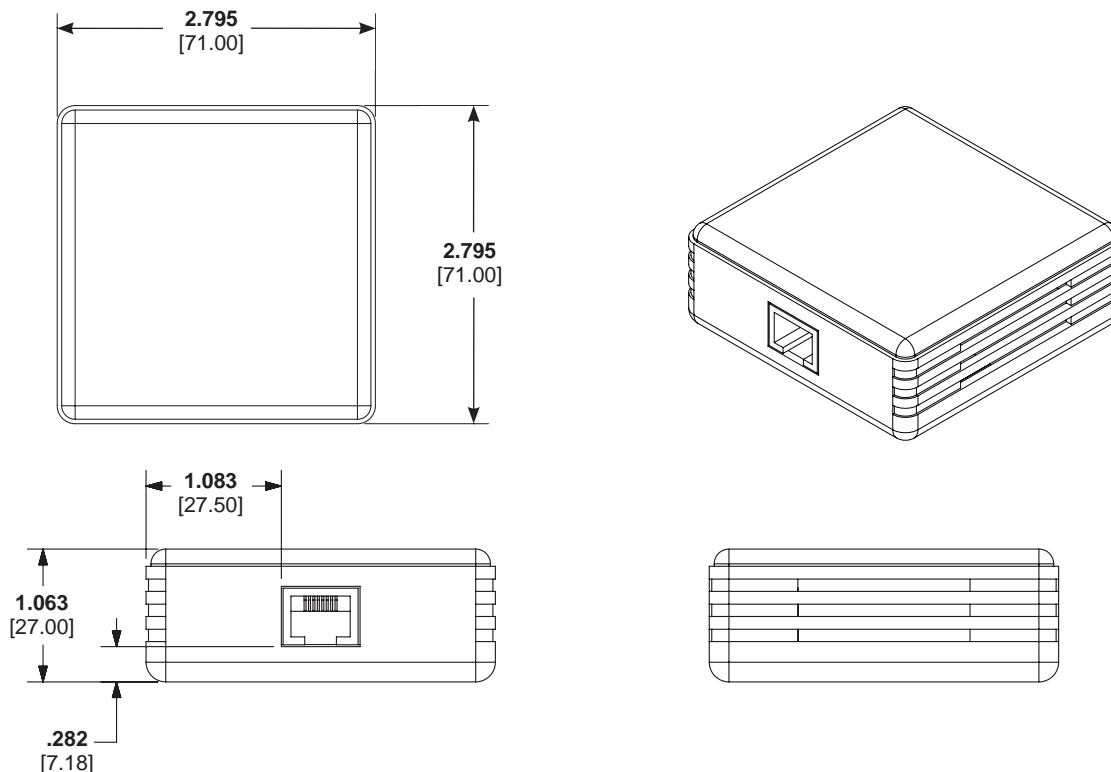
technical specification

Parameters	Description
Electrical Connection to the Gateway	RJ45
Monitoring Range	10% rh to 90% rh
Monitoring Accuracy	+/- 5 % rh @ 60°F (25°C), 60% rh
Operating Voltage	12V DC +/- 10%
Current Consumption	Less than 5mA (Av. 2mA)
Operating Temperature	32°F to 140°F (0°C to 60° C)
Operating Humidity	95% rh or less
Storage Temperature	-4°F to 158°F (-20°C to 70°C)
Storage Humidity Below	95%rh (no condensation)
Humidity Hysteresis	0.1% rh to 9.9% rh in 0.1 increments (User configurable)
Gateway Compatibility	Supported on Gateway firmware v1.10.19 and above

part number

Item Number	Part Description
ZETHL-15	Humidity sensor (requires patch lead)

dimensions



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

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