

Product Catalog

Temperature And Humidity Sensor

Product Model

S80-A3-AZH

Typical Applications

Environment monitoring for machine rooms or cabinets.

FCC ID: 2AUAG-S80-A3-AZH

Technical Specifications

Power Supply	3V Button Cell Batteries
Measurement Range	Temperature: -10~55 degrees Celsius Humidity: 0~100%RH
Measurement Accuracy	Temperature: ± 0.3 degrees Celsius Humidity: $\pm 5\%$ RH 10s~3600s
Communication Mode	Zigbee
Communication Distance	Full-load machine room > 20m, unblocked ≥ 100 m
Transmitting Power	≥ 4.5 dBm
Network Topology	Point-to-point, mesh network
Storage Capacity	64K ROM , 16K RAM
Operating Temperature	-40 ~ 80 degrees Celsius
Operating Humidity	5%~95% (no condensation)
Installation Mode	Magnetic installation
Battery Life	>2 Years
Operating Environment	Indoors
Size	40.5*40.5*13.8mm

Major Features

- Measure temperature and humidity and upload the data to the gateway via Zigbee.
- Support one-way temperature data collection, with measurement range from -10 to 55 degrees Celsius and accuracy at ± 0.3 degrees Celsius.
- Support one-way humidity data collection, with measurement range from 0% to 100% and accuracy at $\pm 5\%$.
- Support Zigbee network.
- Status lights to indicate communication status, battery level and others.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Responsible for compliance could void the user's authority to operate this equipment. (Example- use only shielded interface cables when connecting to computer or peripheral devices).

This equipment complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC Radiation Exposure Statement:

The equipment complies with FCC Radiation exposure limits set forth for uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

