ELTEX
Integrated Networking Solutions

— **Battery-operated**
— **Operation in smart home scenarios**
— **Easy installation**

SZ-AIR-HT01 rev.D is a temperature and humidity sensor that operates under Z-Wave technology. The device is battery-operated, so it can be installed in the location of choice without the need for wiring.

Device management

SZ-AIR-HT01 rev.D is a part of the Eltex smart home ecosystem based on ELIS (Eltex IoT System). The user can control smart devices and sensors via a smart home hub using an iOS or Android mobile device with the Eltex Home mobile application installed. It can be downloaded from the App Store and Google Play or via the QR code below. The app is also available in Huawei AppGallery.

GET IT ON
Google Play

Download on the
App Store

SZ-AIR-HT01 rev.D is a part of the Eltex smart home "Control" service. Sensors included in this service create a comfortable home environment and monitor temperature and humidity. They can operate separately or as a group depending on the needs of the user.
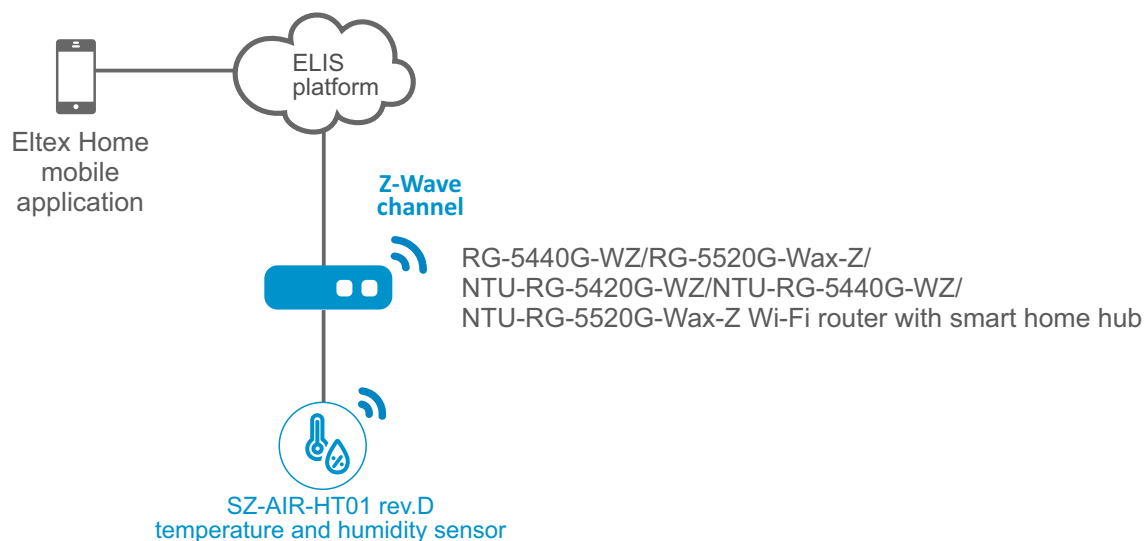
Technical features

General parameters	
Power	batteries: 2 × AAA batteries or 5 V DC to micro USB adapter
Signal frequency	869 MHz
Maximum distance from the hub	up to 100 m (in the absence of obstacles)
Ingress protection	IP20
Indoor humidity range	from 0 to 95 %
Dimensions (D × H)	70 × 31 mm
Weight (including batteries)	68 g
Operating temperature	from +5 to +45 °C
Operating humidity at +40 °C	up to 93 % without condensing
Maximum RF strength	+14 dBm

[1] The device can be powered by a Li-ion CR123A 3 V battery, specify when ordering.

Use case

ELIS platform

Eltex Home mobile application

Z-Wave channel

RG-5440G-WZ/RG-5520G-Wax-Z/
NTU-RG-5420G-WZ/NTU-RG-5440G-WZ/
NTU-RG-5520G-Wax-Z Wi-Fi router with smart home hub
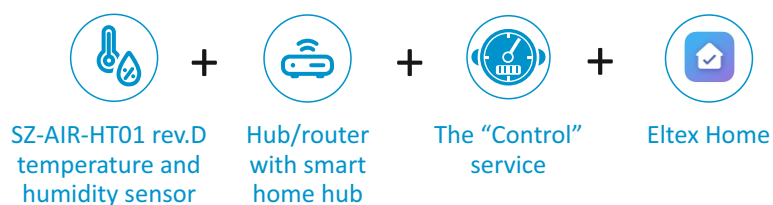
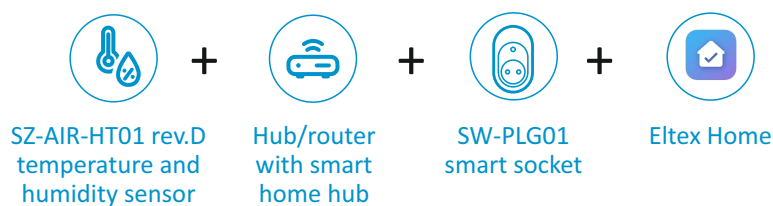SZ-AIR-HT01 rev.D
temperature and humidity sensor

Scenarios

With the Eltex Home mobile application, it is possible to create chains of conditions for smart Wi-Fi devices and Z-Wave sensors to work together. For example, the SZ-AIR-HT01 rev.D temperature and humidity sensor can be used in the following scenarios:
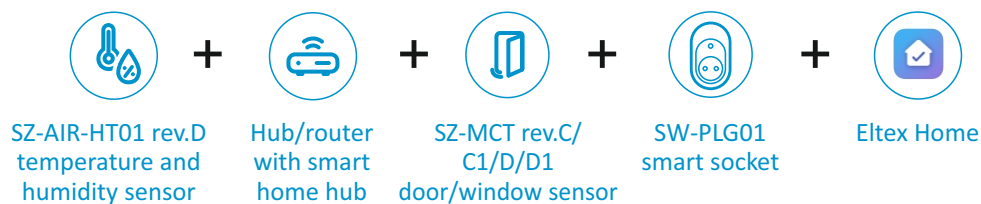
1. Sending a notification to the user if humidity and temperature values do not match the threshold parameters set in the app.

SZ-AIR-HT01 rev.D temperature and humidity sensor **+** Hub/router with smart home hub **+** The "Control" service **+** Eltex Home

2. Operating along with a smart socket to configure a heating, ventilation, humidification scenario.

SZ-AIR-HT01 rev.D temperature and humidity sensor **+** Hub/router with smart home hub **+** SW-PLG01 smart socket **+** Eltex Home

3. Automatic shutdown of the appliances upon receiving the signal from the door/window sensor.

SZ-AIR-HT01 rev.D temperature and humidity sensor **+** Hub/router with smart home hub **+** SZ-MCT rev.C/ C1/D/D1 door/window sensor **+** SW-PLG01 smart socket **+** Eltex Home

---

About Eltex

Eltex Enterprise is a leading Russian developer and manufacturer of communication equipment with 30 years of history. Complete solutions and their seamless integrability into the Customer's infrastructure are the priority growth areas of the company