

- Battery-operated
- Operation in smart home scenarios
- Easy installation
- Support for Matter over Thread protocol



ST-WLK is a water leak detector that operates under Matter over Thread technology. When a leakage is detected, the sensor sends a signal to the smart home hub.

The device is battery-operated, so it can be installed in the location of choice without the need for wiring.

Eltex smart home

ST-WLK is part of the Eltex smart home ecosystem based on ELIS (Eltex IoT System). The user manages smart devices and sensors via the smart home hub using iOS or Android mobile device with the Eltex Home app installed. It can be downloaded from the AppStore and GooglePlay or via the QR code below.

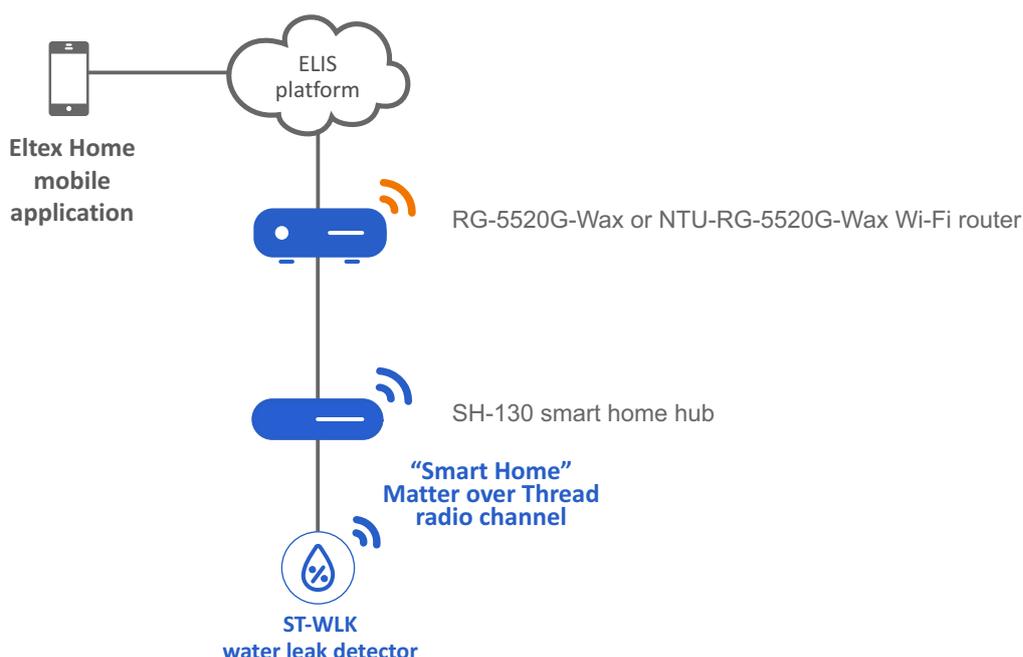


ST-WLK is part of the Eltex smart home “Control” service. The sensors included in this service are used to create a comfortable home environment (monitoring temperature and humidity levels, detecting emergencies such as smoke or water leaks). They can operate separately or as group depending on the needs of the user.

Technical features

General parameters	
Power	2 × AAA batteries, 1.5 V
Signal frequency	2.4 GHz
Guaranteed distance to hub	120 m (in the absence of obstacles)
Ingress protection	IP65
Dimensions (D × H)	74 × 25 mm
Weight (including batteries)	no more than 0.06 kg
Operating humidity at 40 °C	up to 93 %
Operating temperature	from +5 to +45 °C
Maximum RF strength	+14 dBm

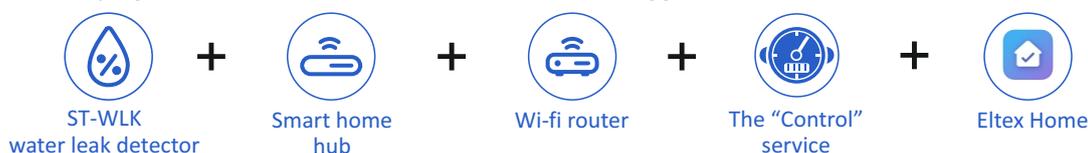
Use case



Scenarios

With the Eltex Home mobile application, it is possible to create chains of conditions for sensors operating under Matter over Thread and smart Wi-Fi devices to work together. For example, the ST-WLK water leak detector can be used in the following scenarios:

1. Notifying the user when the water leak detector is triggered



2. The sensor can work together with the water shutoff drive. The drive will automatically shut off the water when a leak is detected by the ST-WLK sensor.



Ordering information

Name	Description
ST-WLK	Matter over Thread water leak detector
Related products	
RG-5520G-Wax	RG-5520G-Wax Wi-Fi router, 1 × WAN 10/100/2500BASE-T, 4 × LAN 10/100/1000BASE-T, 1 × USB, Wi-Fi (802.11ax, 2x2 – 574 Mbps – 2.4 GHz + 802.11ax, 2x2 – 1201 Mbps – 5 GHz)
NTU-RG-5520G-Wax	NTU-RG-5520G-Wax subscriber terminal, 1 × GPON, 4 × LAN 10/100/1000BASE-T, 1 × USB 3.0, Wi-Fi (802.11ax, 2x2 – 574 Mbps – 2.4 GHz + 802.11ax, 2x2 – 1201 Mbps – 5 GHz)
SH-10-WZ	SH-10-WZ Eltex Home smart home hub
SH-20-WBZ	SH-20-WBZ Eltex Home smart home hub
SH-130	SH-130 Eltex Home smart home hub

Ordering information (continued)

Name	Description
Related products	
SL-10-WBZ	SL-10-WBZ local smart home control center
HVC-102WE	HVC-102WE Wi-Fi camera
SV-BA101-E	SV-BA101-E IP camera
SV-CA104-W	SV-CA104-W Wi-Fi camera
SV-CA111W	SV-CA111W Wi-Fi camera
SV-CA113-WE	SV-CA113-WE Wi-Fi camera
SV-BA114-E	SV-BA114-E IP camera
SW-PLG01	Wi-Fi smart socket, IEEE 802.11b/g/n 2.4 GHz
SW-PLG02	Wi-Fi smart socket, IEEE 802.11b/g/n 2.4 GHz
SW-PLG12	Matter over Wi-Fi smart socket, IEEE 802.11b/g/n 2.4 GHz
SW-RLY01	Smart Wi-Fi relay without zero line, IEEE 802.11b/g/n 2.4 GHz, 2 managed channels
SW-RLY02	Smart Wi-Fi relay with zero line, IEEE 802.11b/g/n 2.4 GHz, 2 managed channels
SW-RLY11	Matter over Wi-Fi smart relay without zero line, IEEE 802.11b/g/n 2.4 GHz, 2 managed channels
SZ-SBR	Two-gang wireless switch Z-Wave
SZ-AIR-HT01 rev.D	Temperature and humidity sensor Z-Wave
ST-MCT	Matter over Thread door/window sensor
ST-SBR	Two-gang wireless switch Matter over Thread
SZ-MCT rev.C	SZ-MCT rev.C door/open sensor in Eltex Z-Wave FLiRS housing
SZ-MCT rev.D	SZ-MCT rev.D door/open sensor in Eltex Z-Wave FLiRS housing
SZ-PIR rev.C	SZ-PIR rev.C motion sensor in Eltex Z-Wave FLiRS housing
SZ-PIR rev.D	SZ-PIR rev.D motion sensor in Eltex Z-Wave FLiRS housing
SZ-SMK	Smoke detector in Eltex Z-Wave housing
SZ-WLK rev.B	SZ-WLK rev.B water leak detector in Eltex Z-Wave housing
SZ-WLK rev.D	SZ-WLK rev.D water leak detector in Eltex Z-Wave housing
SW-IRC01	IR remote control, IEEE 802.11b/g/n 2.4 GHz
Licenses	
Eltex ELIS-1	Eltex ELIS option, 1-device package, 1 year
Eltex ELIS-100	Eltex ELIS option, 100-device package, 1 year
Eltex ELIS-500	Eltex ELIS option, 500-device package, 1 year
Eltex ELIS-1000	Eltex ELIS option, 1000-device package, 1 year
Eltex ELIS-1500	Eltex ELIS option, 1500-device package, 1 year

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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.