

- Battery-powered
- Support for Matter over Thread protocol
- Operation in smart home scenarios



ST-MCT is a magnetic contact sensor that operates under Matter over Thread technology. When a controlled door or window is opened or closed, the sensor sends a signal to the smart home hub. The device is battery-powered and can be installed in any location without wires.

Eltex smart home

ST-MCT is part of the Eltex smart home ecosystem based on the ELIS (Eltex Smart IoT System) platform. Users manage smart devices and sensors via a smart home hub using an iOS or Android mobile device with the Eltex Home app 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.

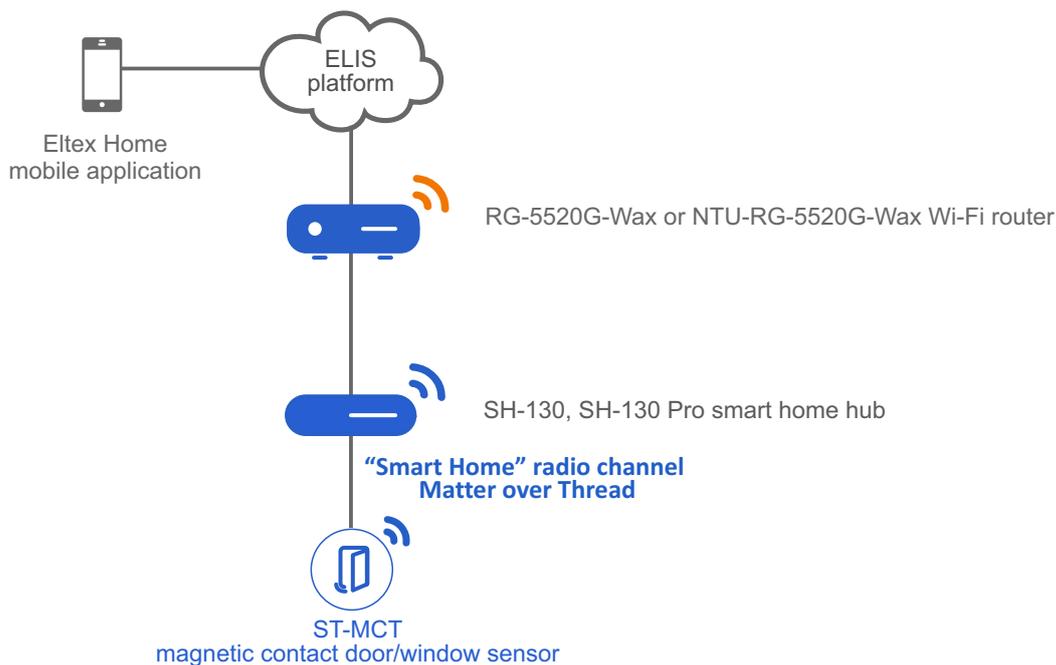


ST-MCT is part of Eltex smart home “Security” service. The sensors included in this service create a security perimeter around the home and notify of any emergency situations, such as opening doors and windows or movement in the protected area. They can operate individually or in groups, depending on the needs of the user. An Eltex hub with Matter over Thread technology support is required to connect the sensor to the network, specifically the SH-130 and SH-130 Pro models.

Technical features

General features	
Power	Li-ion CR123A, 3 V
Signal frequency	2.4 GHz
Maximum distance from the hub	120 m (within line of sight)
Distance between the sensor and magnet for “Alarm” signal	≥35 mm
Distance between the sensor and magnet for “Normally closed” signal	≤25 mm
Ingress protection	IP40
Sensor/magnet dimensions (W × H × D)	21 × 96 × 21 mm
Sensor weight (including batteries)	29.5 g
Magnet weight	32.5 g
Operating temperature	from +5 to +45 °C
Operating humidity at +40 °C	up to 93 %
Maximum RF strength	+14 dBm

Use case



Usage scenarios

With the Eltex Home app, it is possible to create chains of conditions for Matter over Thread sensors and smart Wi-Fi devices to cooperate. For example, the ST-MCT sensor can be used in the following scenarios:

1. Sending a notification to the user when the door/window sensor is triggered



2. Automatic video recording when the door/window sensor is triggered



3. Switching on the light when the opening sensor is triggered



Ordering information

Name	Description
ST-MCT	Matter over Thread door/window sensor
Related products	
SH-10-WZ	Eltex Home SH-10-WZ smart home hub
SH-20-WBZ	Eltex Home SH-20-WBZ smart home hub
SH-130	Eltex Home SH-130 smart home hub
SH-130 Pro	Eltex Home SH-130 Pro smart home hub
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, IEEE 802.11b/g/n 2.4 GHz smart socket
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
ST-SBR	Two-gang wireless switch Matter over Thread
SZ-SBR	Two-gang wireless switch Z-Wave
SZ-AIR-HT01 rev.D	Temperature and humidity sensor Z-Wave
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
Licences	
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.