

spectre
by norvis

Evonna

Smart Sensors



altech-electric.com

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ELECTRIC



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Overview

Make your home more comfortable and convenient

With the Internet of Things taking over our lives, automation has made lives simpler and homes smarter. Smart homes are the base to smart cities and a secure lifestyle. It is a connected home technology that is designed to automate functions and grant you control over your property.

Set the schedule, and the rest is automated based on your personal preferences thus providing convenience, control, money savings, and an overall smarter home.

Alerts about lights still on even after you've left the house

Customise your settings using just an app

Once there were smart homes, now there are Wiser homes.

Smart homes are about technologies. Wiser homes evolve around people. It adds a new dimension to being stylish, living well and being eco-friendly.

With Evonna, you get greater peace of mind with improved home safety, thanks to smart sensors that detect unusual movement and situations, and alert the system to notify you.



Door & Window Sensor

Secure your entry points with instant alerts whenever a door or window opens. Easy to install and smart-home compatible, it enhances security, deters intruders, and even helps save energy.



PIR Motion Sensor

Detect motion instantly with this energy-efficient sensor. Perfect for homes or businesses, it enhances security and automation with fast, accurate response.



Temperature & Humidity Sensor

Monitor your environment in real-time with precise climate data. Ideal for smart homes, greenhouses, and automation systems to ensure comfort and efficiency.



Water Leakage Sensor

Catch leaks early and prevent damage. This compact sensor sends instant alerts for reliable flood protection in bathrooms, kitchens, and basements.



Scenario Button

Control your smart home with one touch. Instantly activate custom scenes for lighting, security, and more — all from a single, convenient button.



Smoke Sensor

Detect smoke early and get instant alerts. Compact and reliable, it delivers around-the-clock fire protection for homes and workplaces.



Gas Leakage Sensor

Detect harmful gas before it becomes a threat. This compact sensor offers fast alerts for safer kitchens, homes, and industrial spaces.



Siren

Respond fast with a loud, high-impact alarm triggered by smoke, gas, or motion. It's your first line of audible defense in any emergency.



Multi-function Gateway

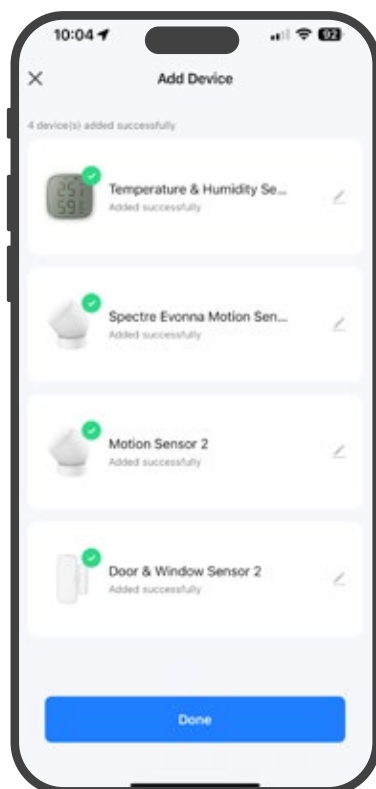
The central hub for your smart system, enabling smooth, secure communication between devices for seamless home or office automation.

Sustainable and Smart homes

By choosing connected Spectre devices that work with Tuya, you are helping your customers to make their home more comfortable while helping reduce energy use and costs.



From busy schedules and endless to-do lists to high energy bills, everyday life at home can get the better for your customers. Spectre is here to help them live more comfortably and more efficiently – with minimum effort.



Energy efficient...

...to help your clients reduce their energy bills and live more sustainably.

Designed for a customized experience...

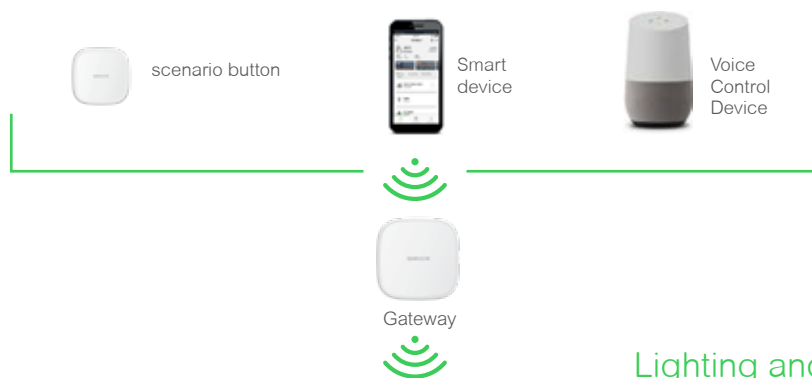
...so your customers can maximize comfort at home with intuitive control.

Modular and long-lasting...

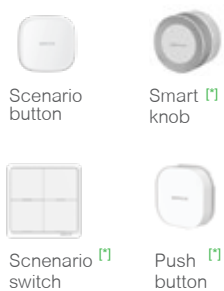
...to create a durable solution that evolves with their needs.



Spectre is compatible with Amazon Alexa™, Google Assistant™, and Apple's Siri®.



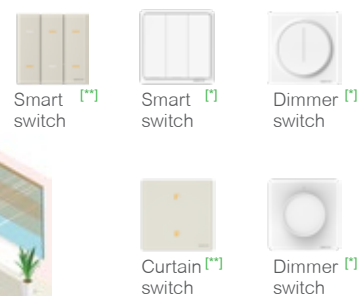
Smart scene creation



Temperature control



Lighting and shutter control



Safety & security



[*] Part of Spectre Metis range of products
 [**] Part of Spectre Avent range of products



Home Security Mode

Triggered by: Door & Window Sensor + PIR Motion Sensor + Siren

When you're away, the system activates "Home Security Mode." If a door or window opens unexpectedly or motion is detected, the siren sounds immediately and an alert is sent to your phone. This scenario provides real-time intrusion detection and a loud deterrent to keep your home protected.



Door & Window sensor

PIR motion sensor

Siren



Night light mode

Place motion sensor at the bedside to enhance both comfort and safety during nighttime movements associated with waking up, such as a person getting out of bed. When the sensor detects movement, it immediately sends a signal to the Multi-function gateway. The gateway runs the nighttime light scenario and turns on a dim light, ensuring the pathway is gently illuminated, reducing the risk of tripping or stumbling in the dark.



PIR motion sensor



Gateway



Smart light bulb ^[*]

[*] Part of Spectre LUMOS range of products



Comfort Climate Mode

Monitor temperature and humidity levels continuously. When the indoor environment becomes too hot, cold, or humid



Temperature & humidity sensor



Presence sensor



Exhaust fan



Air conditioner



Energy Saver Mode

When a door or window is left open, the temperature and humidity sensor detects changes in indoor climate. The system sends an alert or automatically adjusts your HVAC to save energy. Activate Energy Saver Mode with the scenario button to optimize comfort and reduce bills — smart, simple, and eco-friendly.



Door & Window sensor

Temperature &
humidity sensor

Scenario button

Door & Window Sensor



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Door and window sensor



Guard Your Home the Smart Way



- Real-time monitoring of access points.
- Advanced anti-tamper design.
- Smart linkage & remote alerts.
- Customizable security scenarios.
- Away mode with instant alerts.
- Ultra-low power consumption.
- Versatile application (doors, windows, gates, etc.)



Live monitoring of open/closed states



Anti tamper design



Easy installation



Local home automation



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Door and window sensor



WiFi

- Real-time monitoring of access points.
- Advanced anti-tamper design.
- Smart linkage & remote alerts.
- Customizable security scenarios.
- Away mode with instant alerts.
- Low power consumption.
- Versatile application (doors, windows, gates, etc.)



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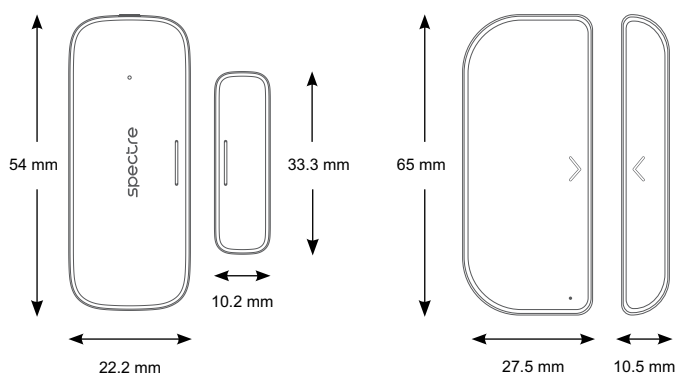
Door and window

Technical specification

Door and window sensor

	ZigBee	WiFi
		
Specification		
Wireless protocol	ZigBee 3.0	Wi-Fi IEEE 802.11b/g/n
Transmit frequency	2.4000 ~ 2.4835 GHz	2.4000 ~ 2.4835 GHz
Transmit power	<10 dBm	14~20 dBm
Battery	2x CR1632	2x AAA
Standby current	< 5μA	≤5 μA
Standby time	~ 2 years	~ 1 year
Wireless range	150 meters in open area	45 meters in open area
Working temperature	-10°C~+55°C	-10°C~+40°C
Working humidity	≤95%RH	10% to 80% RH
Battery life	~1 year (30 triggers daily)	4 - 6 months (30 triggers daily)
Installation method	Surface-mounted with 3M tape	Surface-mounted with 3M tape / Screw
Low battery notification	Supported	Supported
Anti-tampering	Supported	Supported
OTA firmware upgrade	Supported	Supported
Catalog number		
Door & window sensor	EVN712002	SDS612001

Dimensions (mm)



Door & window sensor	
ZigBee	
Main body	54.0×22.2×12.5mm
Magnet	33.3 ×10.2 ×12.5mm
WiFi	
Main body	65 x 27.5 x 19.5mm
Magnet	64 x 10.5 x 19.5mm

PIR Motion Sensor



Evonna PIR motion sensor



 zigbee

Automatic and Convenient...



Light When You Need It

The light automatically turns on when motion is detected—perfect for those late-night moments. With a PIR motion sensor at the entryway, it activates when someone gets up and turns off after 10 minutes if no movement is detected.



Compact Design, Versatile Use

Sleek and lightweight, this light fits seamlessly into any space. Install it by the bedside, on a TV cabinet, on walls, or wherever subtle lighting is needed.



360° Adjustable Detection

The sensor features a fully adjustable 360-degree detection angle, allowing flexible placement and accurate motion sensing from any direction.



Advanced Human Motion Monitoring

Featuring the latest spherical lens and a high-precision quaternary sensor, this device ensures accurate detection of human movement for enhanced reliability and performance.



Quick One-Second Installation

Designed for ease of use—install in just one second without tools or hassle.



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PIR motion sensor

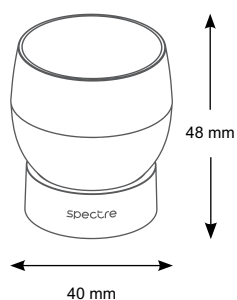
Technical specification

PIR motion sensor

ZigBee	
	
Specification	
Wireless protocol	ZigBee 3.0
Transmit frequency	2.4000 ~ 2.4835GHz
Transmit power	<10dBm
Battery	CR2450
Standby current	≤10μA
Working temperature	-10°C~+55°C
Working humidity	≤95%RH
Battery life	~1 year (30 triggers daily)
Wireless range	150 meters in open area
Dimensions	φ40×48mm
Installation method	wall/ceiling-mounted with 3M tape
Detection distance	7 meters
Detection angle	70 degrees
Low battery notification	Supported
Test mode	Supported
Temperature compensation	Supported
OTA firmware upgrade	Supported
Catalog number	
PIR motion sensor	EVN723001

Dimensions & weight

PIR motion sensor	
ZigBee	
Dimensions	φ40×48mm
Weight	38 g





Temperature & humidity sensor



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Temperature & humidity sensor



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Smart. Simple. Reliable.

Evonna temperature and humidity sensor is a compact, precision-engineered designed to give you accurate, real-time readings of your indoor environment. Built with a high-quality Swiss Sensirion module, it delivers dependable performance for smarter, more comfortable living.



■ Trusted Accuracy

Equipped with a Swiss-made sensing module to provide precise temperature and humidity readings with $\pm 2^{\circ}\text{C}$ accuracy for temperature and $\pm 2\%\text{RH}$ for humidity.



■ Clean, Modern Design

Slim-profile housing with a large LCD that takes up 88% of its total size, makes the data easy to read and the device easy to place—on a wall, a shelf, or anywhere you need it.



■ Low-maintenance Power

Runs on a single CR2450 battery, offering long-lasting performance without frequent battery replacements.



■ Smart-home Ready

Zigbee 3.0 protocol ensures fast and secure integration with your existing smart home system.

■ Double air-flow window

The response speed to temperature and humidity changes is increased by 60% thanks to the double air-flow window design.



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Temperature & humidity

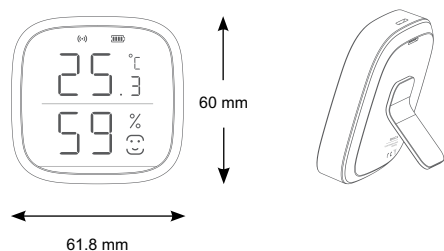
Technical specification

Temperature & humidity sensor

	ZigBee
	
Specification	
Wireless protocol	ZigBee 3.0
Transmit frequency	2.4000 ~ 2.4835 GHz
Transmit power	<10 dBm
Temperature detection range	-9.9°C~+55°C
Temperature detection accuracy	±0.2°C
Humidity detection range	0-99%RH
Humidity detection accuracy	±2%RH
Battery	CR2450
Standby current	≤10 μA
Wireless range	150 meters in open area
Working temperature	-10°C~+55°C
Working humidity	≤99%RH
Battery life	~1 year (30 reports per day)
Installation method	Surface-mounted with 3M tape/desktop-mount
Display capabilities	Temperature, humidity, battery level, unit conversion, comfort smiley
Enclosure material	PC + ABS
Low battery notification	Supported
OTA firmware upgrade	Supported
Catalog number	
Temperature & humidity sensor	EVN767002

Dimensions & weight

PIR motion sensor	
ZigBee	
Dimensions	61.8×60×13.5mm
Weight (net)	55 g





Versatile applications for every space

Whether for everyday living or specialized needs, Evonna helps you stay in control of your environment with confidence and ease. The Evonna temperature and humidity sensor is perfect for maintaining optimal comfort and safety in a variety of settings:



Home Comfort: Monitor indoor climate in living rooms, bedrooms, and nurseries to ensure a healthy, cozy environment for your family.



Storage & Preservation: Keep track of humidity and temperature to protect sensitive items such as documents, electronics, musical instruments, or collectibles from moisture damage or warping.



Greenhouses & Gardens: Help your plants thrive by ensuring ideal humidity and temperature conditions.



Offices & Workspaces: Maintain a pleasant environment that boosts productivity and reduces discomfort from dry air or excessive moisture.



Smart HVAC Control: Integrate with your heating and cooling systems to optimize energy use while keeping your home perfectly comfortable.



Smoke Sensor



Evonna Smoke sensor



 zigbee

Advanced detection with smart alerts for early fire prevention

Evonna Smoke sensor uses a high-sensitivity smoke labyrinth and intelligent temperature monitoring to detect fires quickly and reliably. Designed for modern smart homes, it features real-time alerts, tamper protection, and self-diagnostic checks to ensure safety without compromise.



■ Dual Smoke & Heat Detection

Triggers alarms when smoke concentration or temperature exceeds safe limits (e.g., $>65^{\circ}\text{C}$).



■ High-Precision Labyrinth Design

Enhanced sensitivity using a next-gen labyrinth structure that improves smoke particle detection from multiple angles.



■ Smart Algorithm for False Alarm Reduction

Intelligent double-verification logic ensures alarms only trigger when real threats are present—reducing nuisance alerts from steam or dust.



■ Anti-Tamper Protection

Sends an alert if the sensor is removed or tampered with.



■ Self-Testing Function

Automatically runs diagnostic checks to confirm sensor functionality and reliability over time.



■ Seamless Connectivity

Supports Zigbee 3.0 and Wi-Fi for real-time notifications via app (can work with or without a gateway, depending on protocol).



بهتر است که عکس محصول روی سقف و بصورت برعکس باشد

Evonna

Smoke sensor

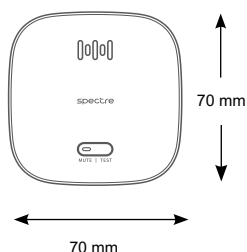
Technical specification

Smoke sensor

Smoke sensor	
	ZigBee
	
Specification	
Wireless protocol	ZigBee 3.0
Transmit frequency	2.4000 ~ 2.4835GHz
Transmit power	<10dBm
Battery type	CR123A
Standby current	<9μA
Working current	<50mA
Working temperature	-10°C~+55°C
Working humidity	≤95%RH, No condensation
Battery life	5 years
Wireless range	150 meters in open area
Alarm sound	85dB (@ 3 meters)
Installation method	Wall/Ceiling-mounted with 3M tape or screw
Detection range	50m²
Standard	GB 20517-2006
Low battery notification	Supported
Test mode	Supported
Temperature compensation	Supported
OTA firmware upgrade	Supported
Catalog number	
Smoke sensor	EVN734001

Dimensions & weight

Smoke sensor	
ZigBee	
Dimensions	70×70×29mm
Weight (net)	88 g





Water leakage Sensor



Evonna Water leakage sensor



Stay dry, stay safe...

Evonna water leakage sensor detects the presence of water by monitoring the electrical conductivity between dual metal probes. It effectively identifies flooding, water leaks, and rainfall intrusion to provide timely alerts.

■ Ideal for residential, commercial, and industrial applications including homes, server rooms, and warehouses.

■ Advanced dual-sided probe design for comprehensive monitoring: probes face downward to detect flooding and upward to detect rain or leaks from faucets and balconies.

■ Robust rotary cover with IP66 waterproof rating ensures reliable operation in humid, dusty, and challenging environments.

- Continuous Real-Time Monitoring
- Energy-Efficient Design
- Remote Alerts
- Wireless Connectivity



Evonna

Water leakage sensor

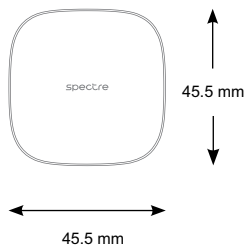
Technical specification

water leakage sensor

ZigBee	
	
Specification	
Wireless protocol	ZigBee 3.0
Transmit frequency	2.4000 ~ 2.4835GHz
Transmit power	<10 dBm
Battery type	CR2032
Standby current	<5μA
Working current	<20mA
Working temperature	-10°C~+55°C
Working humidity	≤95%RH
Battery life	~2 years (30 triggers daily)
Wireless range	150 meters in open area
Protection	IP66
Installation method	Wall/Ceiling-mounted with 3M tape
Minimum water level detection	0.5 mm
Housing material	PC+ABS
Low battery notification	Supported
OTA firmware upgrade	Supported
Catalog number	
Water leakage sensor	EVN756001

Dimensions & weight

Water leakage sensor	
ZigBee	
Dimensions	45.5×45.5×14.2 mm
Weight (net)	22 g





Gas leakage Sensor



Evonna Gas leakage sensor



- Certified safety with CCCF approval
- Accurate gas detection at 8% LEL with minimal error
- Airflow window protects sensor from smoke and moisture
- 2020 Red Dot Design Award winner

Innovative technology, gentle protection for your home and loved ones

Evonna Gas Leakage Sensor — a smart, reliable guardian designed to keep your home and loved ones safe from natural gas leaks. Combining advanced detection technology with seamless connectivity, this compact device offers instant alerts and continuous monitoring, giving you peace of mind anytime, anywhere.



Real-time natural gas monitoring



Loud 70dB alarm for immediate alerts



Remote and local self-test and diagnostics via mobile app



Wi-Fi, NB-IoT, and Zigbee connectivity



Easy ceiling installation with tape or screws



Evonna

Gas leakage sensor

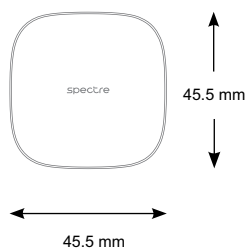
Technical specification

Gas leakage sensor

ZigBee	
	
Specification	
Wireless protocol	ZigBee 3.0
Transmit frequency	2.4000 ~ 2.4835 GHz
Transmit power	<10 dBm
Working voltage	12 VDC
Standby current	≤100mA
Alarm current	≤150mA
Alarm concentration	8%LEL, tolerance ±3%LEL
Concentration tolerance	±5%LEL
Wireless range	150 meters in open area
Working temperature	-10°C~+45°C
Working humidity	≤95%RH, No condensation
Alarm sound	≥70dB (@ 1 meter)
Alarm method	Sound & light alarm, wireless network alarm
Installation method	Wall/Ceiling-mounted with 3M tape or screw
Detection gas type	Natural gas (CH ₄)
Housing material	PC+ABS
Low battery notification	Supported
OTA firmware upgrade	Supported
Catalog number	
Gas leakage sensor	EVN745001

Dimensions & weight

Gas leakage sensor	
ZigBee	
Dimensions	66×66×29 mm
Weight (net)	62 g





Scenario Button



Evonna Scenario button



 zigbee



Effortlessly control your smart home with a single press.

Evonna Scenario Button triggers customized scenes through three versatile press modes, all configurable via the app to suit your lifestyle.

- Engineered with a four-cantilever balance structure for a smooth, responsive press experience every time.
- Multi-functional support includes doorbell, emergency alerts, appliance control, and fully customizable settings.
- Ready to use immediately—no installation tools required; simply place or stick it where you need it.
- Controls multiple devices with a single click, making complex automation simple and intuitive.



Single click



Double click



Long press

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Scenario button

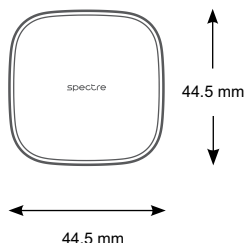
Technical specification

Scenario button

ZigBee	
	
Specification	
Wireless protocol	ZigBee 3.0
Transmit frequency	2.4000 ~ 2.4835GHz
Transmit power	<10dBm
Battery type	CR2032
Standby current	<5μA
Trigger actions	Single click, double click, long press
Wireless Range	100 meters in open area
Working temperature	-10°C~+55°C
Working humidity	≤95%RH
Installation method	No installation / Mountable on walls or desktops via 3M tape
Battery life	~1 year (30 triggers daily)
Housing material	PC+ABS
Low battery notification	Supported
OTA firmware upgrade	Supported
Catalog number	
Scenario button	EVN779004

Dimensions & weight

Scenario button	
ZigBee	
Dimensions	44.5×44.5×13 mm
Weight (net)	20 g



Total control in your hand

Place it anywhere! on a desk, wall, nightstand or fridge. Thanks to its tool-free setup and strong adhesive backing, installation is instant and non-invasive. Move it around as your needs evolve.

Customizable for Any Scenario

From acting as a wireless doorbell, triggering security scenes, to switching on/off smart appliances, the Scenario Button adapts to your needs. Use it as:

- A panic button for elderly family members
- A morning routine launcher
- A child-friendly light switch
- A remote trigger for smart curtains, thermostats, or even pet feeders



Indoor Siren



Evonna Indoor siren



 zigbee



Keep your home safe and sound...

Evonna indoor siren instantly amplify alerts with a powerful siren and flashing light. Designed to work seamlessly with your gateway, this siren delivers a clear, high-decibel alarm to ensure you never miss a critical alert.

- Customizable alarm duration and volume for personalized settings.
- Powerful 105dB sound with adjustable levels: high (105dB), medium (85dB), and low (75dB) at 1 meter.
- Compact, stylish design fits effortlessly in entryways, living rooms, or near lamps.
- Easy installation—mount on the wall or place anywhere with minimal effort.



Anti tamper
design



Easy installation



Local home
automation



Sleek and space-
saving design

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Indoor siren

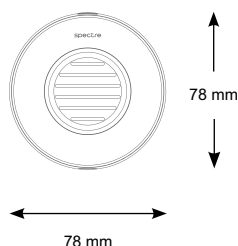
Technical specification

Indoor siren

ZigBee	
	
Specification	
Wireless protocol	ZigBee 3.0
Operation frequency	2.4000 ~ 2.4835 GHz
Maximum RF output power	<10 dBm
Power supply	5 VDC
Alarm Sound Level	105 dB (@ 1 meter)
Standby current	~60~180 μ A
Working current	~100~200 μ A
Standby time on battery	4 hours
Built-in battery	3.7V rechargeable lithium battery (Full power 4.2V)
Wireless range	100 meters in open area
Working temperature	-10°C~+55°C
Working humidity	$\leq$ 95%RH
Installation method	Wall-mounted, includes bracket and 3M tape
Housing material	ABS (durable, fire-resistant)
Low battery prompt	Supported
Tampering prompt	supported
OTA firmware upgrade	Supported
Catalog number	
Indoor siren	EVN778001

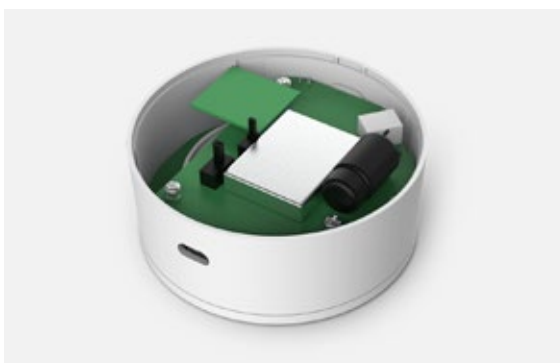
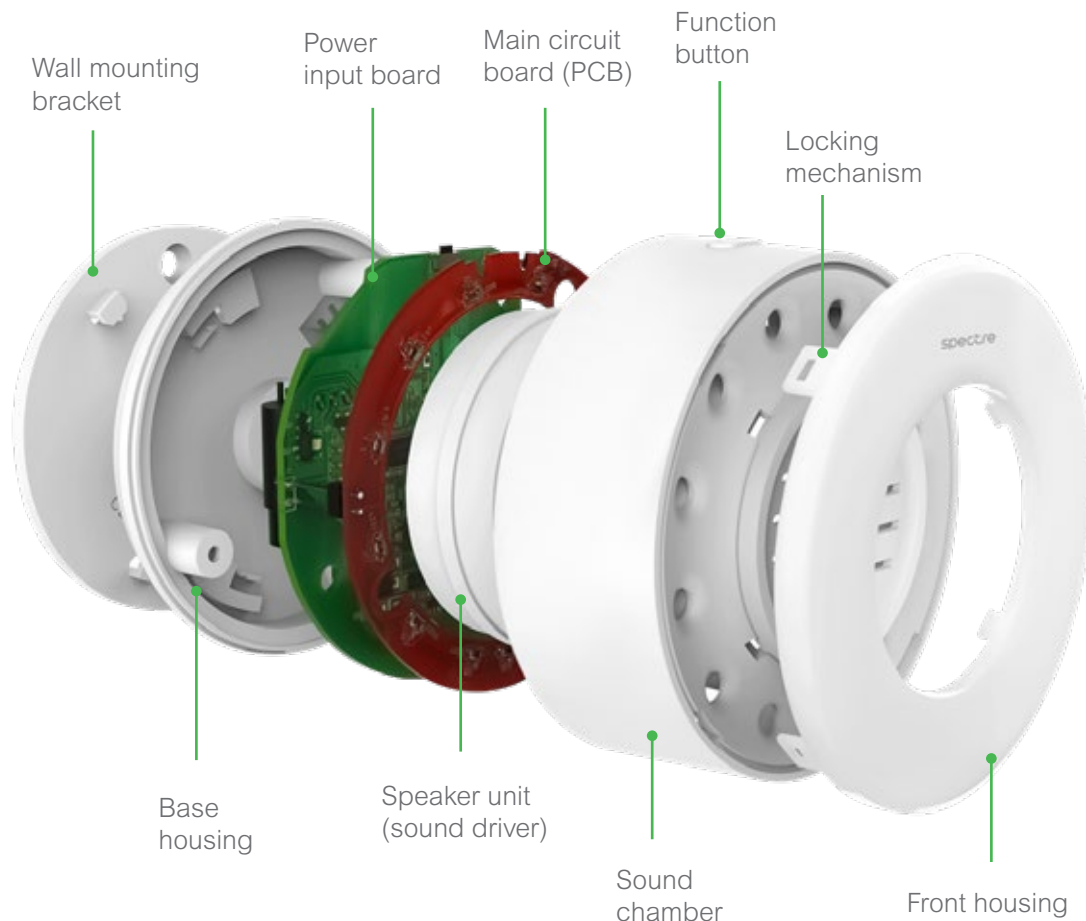
Dimensions & weight

Indoor siren	
ZigBee	
Dimensions	ϕ 78×41mm
Weight (net)	104 g



Exquisitely crafted with meticulous attention to detail

Evonna indoor siren features precision-made, fireproof ABS material that offers excellent heat and high-temperature resistance. Designed for durability and safety, it ensures long-lasting performance even in the most demanding environments.



Built-in Backup Battery for Uninterrupted Operation

The siren is designed for continuous, long-term use with a standard power supply. In the event of a power outage, the built-in backup battery automatically takes over, ensuring the siren continues to operate reliably without interruption.

Multi-Function Gateway



Evonna Multi-function gateway



Your Smart Home's Command Center

The Multi-function Gateway T3 is the heart of your connected home, seamlessly linking all your smart devices. It delivers stable WiFi and Zigbee communication, enabling smooth control and real-time monitoring. With powerful automation, remote management, and built-in security features, this gateway keeps your home smarter, safer, and effortlessly connected — even when the internet goes down.

- Supports multiple functions: doorbell, night light, sound and light alarms.
- Advanced routing-level SOC ensures stable WiFi communication.
- Built-in IFTTT enables local automation, working even offline.
- Security guard mode supports warning and alarm delays for added safety.
- Integrated log management allows remote troubleshooting and maintenance.



Device connection center



Supports up to 32 sub-devices



App remote control



Log management

Evonna

Multi-function gateway

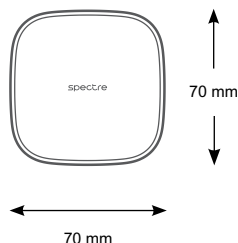
Technical specifications

Multi-function gateway

ZigBee	
	
Specification	
Communication	ZigBee 3.0, Wi-Fi 2.4GHz, BLE
Wireless frequency	2.402 ~ 2.4835GHz
Transmit power	<10d Bm
Power consumption	10 W
Maximum number of sub-devices	32
Working current	12 VDC / 1 A
Working temperature	-10°C ~ +55°C
Working humidity	<90% RH
Sensitivity	-102 dBm
Installation method	Tabletop placement
Housing material	PC+ABS
OTA firmware upgrade	Supported
Night light function	Supported, with adjustable brightness
Voice prompts	Supported, functions as doorbell and alarm notifications
Button function	Supported, toggles night light and alert status
Catalog number	
Multi-function gateway	EVN899001

Dimensions & weight

Multi-function gateway	
ZigBee	
Dimensions	70×70×32.5mm
Weight (net)	76 g







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📍 Office:
No. 2, Shahriar DE, Fayyazi (Fereshteh) St.,
Vali-e-Asr Ave., 1965938511, Tehran - Iran

📍 Plant:
No. 76, Karafainan Sq., Simin Dasht Industrial
Town, Shahriar Road, Karaj 3165953175 - Iran

🌐 altech-electric.com

☎ +98(21)220 38385 🖨 +98(21)220 050742

☎ +98(26)366 70166 🖨 +98(26)366 70169

✉ info@altech-electric.com