

# SONOFF THR320D Smart Temperature and Humidity Monitoring Switch

The **SONOFF THR320D Smart Temperature and Humidity Monitoring Switch** is a next-generation solution designed to bring intelligent climate monitoring and automated control into your smart home or workplace. Combining precision sensors, Wi-Fi connectivity, and powerful load control, the THR320D ensures that your appliances, environment, and energy usage are always optimized for comfort, safety, and efficiency.

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## 【All-in-One Smart Monitoring and Control】

Unlike traditional switches, the SONOFF THR320D doesn't just turn appliances on and off. It continuously **monitors real-time temperature and humidity** levels through compatible sensors, giving you live data right from your smartphone via the **eWeLink app**. You'll always know the exact conditions in your home, office, greenhouse, or storage area.

But it doesn't stop at monitoring — the switch can **automatically trigger connected devices** based on your preset temperature or humidity ranges. For example:

- Turn on a **humidifier** when humidity drops below your comfort zone.
- Activate a **heater** when the temperature falls too low.
- Start a **fan or dehumidifier** when the air becomes too damp.

This intelligent automation ensures your environment always stays within the perfect range, without requiring constant manual adjustments.





## 【Powerful 20A Load Capacity】

The THR320D is built for heavy-duty performance. With a **20A maximum load capacity**, it can safely handle **high-powered appliances** such as:

- Water heaters
- Pumps
- HVAC systems
- Dehumidifiers and air conditioners
- Industrial fans and heating equipment

Whether for residential or commercial use, you can rely on the THR320D to manage demanding devices with stability and safety.

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## 【Seamless App and Remote Control】

Thanks to its **Wi-Fi connectivity**, you can control the SONOFF THR320D anytime, anywhere using the **eWeLink app**. Whether you're at home, in the office, or traveling abroad, you can:

- Switch appliances on/off remotely.
- Check real-time temperature and humidity readings.
- Create schedules and timers for automatic operation.
- Set up smart scenes linking multiple devices together.

For example, you could create a scene that activates your **heater** when the temperature falls below 20°C or turns on your **ventilation fan** when humidity rises above 70%.

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## 【Voice Assistant Compatibility】

The THR320D works seamlessly with **Amazon Alexa and Google Home**, giving you the convenience of hands-free control. Simply ask your assistant to switch appliances on or off, or integrate climate-related automations into your existing smart ecosystem.

Commands can be as easy as:

- *“Alexa, turn on the dehumidifier.”*
  - *“Hey Google, switch off the heater.”*
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## 【Energy Efficiency and Safety】

Maintaining the right climate isn't just about comfort — it's also about **saving energy**. By automatically controlling appliances based on precise environmental conditions, the SONOFF THR320D helps prevent unnecessary operation, reducing both **energy consumption and electricity bills**.

Additionally, its durable design ensures safe operation even with high loads, making it reliable for both household and industrial applications.

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## 【Easy DIN Rail Installation】

The SONOFF THR320D is designed for **DIN rail mounting**, making it ideal for structured and professional installations in control cabinets or distribution boxes. This ensures a neat, secure, and space-saving setup while keeping wiring organized and accessible for maintenance.

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## 【Why Choose the SONOFF THR320D?】

- ✓ **Smart Climate Control** – Monitor and automate based on temperature and humidity.
- ✓ **High Power Handling** – Up to 20A load capacity for heavy-duty appliances.
- ✓ **Remote Access** – Control devices anywhere via the eWeLink app.
- ✓ **Voice Integration** – Works with Alexa & Google Home.
- ✓ **Energy Efficiency** – Reduces waste and optimizes energy use.
- ✓ **Professional Installation** – DIN rail mounting for clean and safe wiring.

## 【Ideal Applications】

The THR320D is versatile and can be used in many environments:

- **Homes:** Keep rooms comfortable by automating heaters, fans, or humidifiers.
- **Greenhouses:** Maintain ideal growth conditions with precision climate control.
- **Warehouses:** Protect sensitive goods by monitoring and regulating storage conditions.
- **Offices:** Improve comfort and air quality automatically.
- **Industrial Use:** Manage pumps, HVAC, or high-power equipment efficiently.

## Conclusion】

The **SONOFF THR320D Smart Temperature and Humidity Monitoring Switch** is more than just a switch — it's a **smart climate management system**. With its ability to monitor environmental conditions, control heavy-duty appliances, and integrate with smart home ecosystems, it offers both convenience and efficiency. Perfect for residential, commercial, and industrial applications, the THR320D ensures that your spaces remain safe, comfortable, and energy-efficient.

Upgrade to intelligent climate control today with the **SONOFF THR320D** — the smart way to balance comfort and efficiency.