

TSO-9-F1 Temperature Sensor

Intelligent Temperature Control



TSO-9-F1 is a F1 868Mhz wireless temperature sensor that monitors the temperature of your surrounding environment. It features an external temperature probe that enables users to monitor specific areas with more flexibility and accuracy.

TSO-9-F1 detects temperature from -30°C to 100°C , and continuously reports temperature condition to the Z-Wave controller. It also sends notification when the temperature fluctuates by $\pm 2^{\circ}\text{C}$.

TSO-9-F1 is lightweight in size and can be installed almost anywhere. In addition, it sends regular supervisory signals to ensure system integrity.

TSO-9-F1 offers a reliable and flexible way to monitor home environment and enables users to adjust home appliances accordingly for a more pleasant living space.

Features

- Excellent stability with high sensitivity
- Two-pin terminal to connect external temperature sensor
- Detects temperature from -30°C to 100°C (-22°F to 212°F)
- Transmits notification when the temperature fluctuates by $\pm 2^{\circ}\text{C}$ ($\pm 3^{\circ}\text{F}$)
- Continuously transmits temperature signal to the gateway
- Over-the-Air firmware update feature
- Z-Wave S2 Security
- LED indicator
- Regular supervisory signals to check system integrity
- Operates in F1 868Mhz
- Designed for residential and commercial security applications
- Tamper protection to prevent sabotage
- Low battery detection

Specifications

Communication Protocol	Z-Wave Plus 500 Series, S2 Security
Frequency	868 Mhz
Power Source	3V, CR123 Lithium battery x1
Battery Life	3.5 years*
Sensitivity	$\pm 1^{\circ}\text{C}$ ($\pm 1.8^{\circ}\text{F}$)
Operating Temperature	-10°C to 45°C (14°F to 113°F)
Operating Humidity	Up to 85% non-condensing
Dimensions	27mm x 25mm x 114mm

* Note: Actual battery life may vary with product settings, operating environment and usage.