

# TSO-9-EL-ZBS Temperature Sensor

## Intelligent Temperature Control



TSO-9-EL-ZBS is a ZigBee 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-EL-ZBS detects temperature from  $-35^{\circ}\text{C}$  to  $65^{\circ}\text{C}$ , and reports temperature condition to the ZigBee gateway in every 10-minute. It also sends notification when the temperature fluctuates by  $\pm 2^{\circ}\text{C}$ .

TSO-9-EL-ZBS is lightweight in size and can be installed almost anywhere. In addition, it sends regular supervisory signals to ensure system integrity. It is also compatible with other manufacturer's ZigBee systems, and can be integrated into new or existing ZigBee systems.

TSO-9-EL-ZBS 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  $-35^{\circ}\text{C}$  to  $65^{\circ}\text{C}$  ( $-31^{\circ}\text{F}$  to  $149^{\circ}\text{F}$ )
- Transmits notification when the temperature fluctuates by  $\pm 2^{\circ}\text{C}$  ( $\pm 3^{\circ}\text{F}$ )
- Transmits temperature signal to the ZigBee gateway in every 10-minute regularly
- Extended battery life compared to the previous model
- LED indicator
- Regular supervisory signals to check system integrity
- Compatible with other's ZigBee systems
- Designed for residential and commercial security applications
- Tamper protection to prevent sabotage
- Low battery detection

### Specifications

Communication Protocol	ZigBee Pro Home Automation 1.2
Frequency	2.4 GHz
Power Source	3V, CR123 Lithium battery x 1
Battery Life	4.5 years*
Sensitivity	$\pm 1^{\circ}\text{C}$ ( $1.8^{\circ}\text{F}$ )
Operating Temperature	$-10^{\circ}\text{C}$ to $45^{\circ}\text{C}$ ( $14^{\circ}\text{F}$ to $113^{\circ}\text{F}$ )
Operating Humidity	Up to 85% non-condensing
Dimensions	27 mm x 25.2 mm x 113.5 mm

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