

## SD-29 Series Multi-functional Smoke Detector

## Protecting What Matters Most



- Multi-functional Smoke/Heat Detector
- Built-in PIR Motion Sensor (optional)
- Built-in Heat Detector (optional)
- Built-in Emergency Light (optional)

Multi-functional wireless smart smoke detector with powerful functions, the SD-29 series is designed to protect your family against potential fire hazards, and build a more comfortable lifestyle. This series was crafted from the belief that sensor should have multiple functions and abilities, thus a unique feature of SD-29 is the optional rate-of-rise heat detection and built-in PIR motion sensor, and/or emergency light. With its small and streamlined design, it will be a seamless addition to your home décor and give you a peace of mind.

SD-29 delivers optimal performance in in detecting fire and rate-of-rise heat detection. Moreover, SD-29 optional built-in PIR motion sensor detects movements to create custom scenes to light up the hallway in the middle of the night or help users save energy. The SD-29 optional built-in emergency light can further provide visual alarm alerts and notifications.

SD-29 utilizes the latest reflective photoelectric sensor and advanced microprocessor to deliver optimum performance in detecting fire and rate-of-rise heat detection. When it comes to safety, there is no room for compromise.

### Features

- Reflective photoelectric sensor to detect smoke from any source, especially smoldering fires
- Rate-of-rise heat detection when temperature exceeds 57.25°C or rises by 8.25°C per minute (optional)
- Auto-calibration every month to re-adjust detection threshold value
- Self-diagnostics function to ensure optimal performance
- Loud 85dB Siren for audio alert
- Wireless for easy and flexible installation
- Randomized supervision signals to check system integrity
- Built-in PIR motion detects movements and supports scene creation (optional)
- Built-in Emergency light to provide visual alerts (optional)
- Alarm silence button to quiet nuisance alarms
- Excellent stability with high sensitivity
- Extensive RF range and fast speed data transmission
- LED status indicators for visual notification
- Low battery detection
- Suitable for residential and commercial premises
- EN14604 certified

## SD-29 Multi-Functional Smoke Detector Series

### Specifications

#### SD-29-HME

RF Frequencies	433 MHz / 868MHz
Power Source	3V, AA Alkaline battery x 2 / 3V, CR123 Lithium battery x 3
Battery Life	8 years* (Alkaline) / 10 years* (CR123)
Audible Output	85dBA at 3m
Temperature Sensitivity	±1°C
PIR Motion Detection Range	Up to a radius of 8 meters (at 3 meter mounting height**) (SD-29-M / SD-29-HM / SD-29-HME only)
Operating Temperature	-10°C to 45°C (14°F to 113°F)
Operating Humidity	Up to 85% non-condensing
Dimensions	105mm x 105mm x 41mm

#### SD-29-HME-SC

RF Frequencies	433 MHz / 868 MHz
Backup Battery	3V, CR123 Lithium Batteries x3
Backup Battery Life	5.5 years
Audible Output	85dBa at 3m
Temperature Sensitivity	±1°C
PIR Motion Detection Range	Up to a radius of 8 meters (at 3 meter mounting height**) (SD-29-M-SC / SD-29-HM-SC / SD-29-HME-SC only)
Operating Temperature	-10°C to 45°C (14°F to 113°F)
Operating Humidity	Up to 85% non-condensing
Dimensions	105mm x 105mm x 41mm

#### SD-29-HME-SC-AC

RF Frequencies	433 MHz / 868 MHz
Power Source	100-240AC, 50/60Hz
Backup Battery	200mAh, NiMh battery pack
Battery Battery Life	39 days*
Audible Output	85dBA at 3m
Temperature Sensitivity	±1°C
PIR Motion Detection Range	Up to a radius of 8 meters (at 3 meter mounting height**) (SD-29-M-SC-AC / SD-29-HM-SC-AC / SD-29-HME-SC-AC only)
Operating Temperature	-10°C to 45°C (14°F to 113°F)
Operating Humidity	Up to 85% non-condensing
Dimensions	105mm x 105mm x 41mm

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

\*\*Note: Mounting above 3 meters may affect detection performance.

## SD-29 Multi-Functional Smoke Detector Series

### Ordering Information

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<b>SD-29-H</b>	Battery-powered Smoke Detector with Heat Detector
<b>SD-29-M</b>	Battery-powered Smoke Detector with PIR Motion Sensor
<b>SD-29-HM</b>	Battery-powered Smoke Detector with Heat Detector and PIR Motion Sensor
<b>SD-29-HME</b>	Battery-powered Smoke Detector with Heat Detector, PIR Motion Sensor and Emergency Light
<b>SD-29-H-SC</b>	Battery-powered Smoke Detector with Heat Detector and Interconnection function
<b>SD-29-M-SC</b>	Battery-powered Smoke Detector with PIR Motion Sensor and Interconnection function
<b>SD-29-HM-SC</b>	Battery-powered Smoke Detector with Heat Detector, PIR Motion Sensor and Interconnection function
<b>SD-29-HME-SC</b>	Battery-powered Smoke Detector with Heat Detector, PIR Motion Sensor, Emergency Light and Interconnection function
<b>SD-29-H-SC-AC</b>	AC-powered Smoke Detector with Heat Detector and Interconnection function
<b>SD-29-M-SC-AC</b>	AC-powered Smoke Detector with PIR Motion Sensor and Interconnection function
<b>SD-29-HM-SC-AC</b>	AC-powered Smoke Detector with Heat Detector, PIR Motion Sensor and Interconnection function
<b>SD-29-HME-SC-AC</b>	AC-powered Smoke Detector with Heat Detector, PIR Motion Sensor, Emergency Light and Interconnection function