

## SD-29 Series Multi-functional Smoke Detector

## Protecting What Matters Most



- Multi-functional Smoke Detector
- Rate-of-rise Heat detection (optional)
- Built-in PIR Motion Sensor (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 built-in PIR motion sensor, heat 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 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

## SD-29 Multi-Functional Smoke Detector Series

### Specifications

#### SD-29-F1

RF Frequencies	433 MHz / 869MHz
Power Source	3V, CR123 Lithium batteries x3
Battery Life	SD-29-HME: 10 years* SD-29-HME-SC: 5 years*
Audible Output	85dB 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-AC-F1

RF Frequencies	433 MHz / 869MHz
Power Source	100~240AC, 50/60Hz
Backup Battery	200mAh, NiMh battery pack
Backup Battery Life	1 month*
Audible Output	85dB 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.

### Ordering Information

<b>SD-29-H-(SC)-F1</b>	Battery-powered Smoke and Heat Detector (and serial connection feature)
<b>SD-29-M-(SC)-F1</b>	Battery-powered Smoke Detector with PIR Motion Sensor (and serial connection feature)
<b>SD-29-HM-(SC)-F1</b>	Battery-powered Smoke and Heat Detector with PIR Motion Sensor (and serial connection feature)
<b>SD-29-HME-(SC)-F1</b>	Battery-powered Smoke Detector with Temperature, PIR Motion Sensor and Emergency Light (and serial connection feature)
<b>SD-29-H-SC-AC-F1</b>	AC-powered Smoke and Heat Detector with serial connection feature
<b>SD-29-M-SC-AC-F1</b>	AC-powered Smoke Detector with PIR Motion Sensor and serial connection feature
<b>SD-29-HM-SC-AC-F1</b>	AC-powered Smoke and Heat Detector with PIR Motion Sensor and serial connection feature
<b>SD-29-HME-SC-AC-F1</b>	AC-powered Smoke and Heat Detector with PIR Motion Sensor, Emergency Light and serial connection feature