

## SD-32 Series Multi-functional Smoke Detector

### Protecting What Matters Most



- **New generation multi-functional optical smoke/Heat Detector**
- **Prevention of false alarms caused by cooking nuisance**
- **Polyurethane foam detection in fast moving fire and slow smoldering burn**

The SD-32 series is a new generation multi-functional optical smoke detector with powerful functions, which can prevent false alarms caused by cooking nuisance, as well as detecting different types of fire. It also comes with the unique feature of optional rate-of-rise heat detection and optional built-in PIR motion sensor.

The SD-32 series can timely recognize fire and smoke without setting off nuisance alarms caused by daily cooking smoke and steam, reducing the hassle of inaccurate alerts. Moreover, it can detect the difference between both fast moving fire and slow smoldering burn, including polyurethane fires which usually burn faster. As a result, the series can help build a safe, comfortable lifestyle and give you a peace of mind.

SD-32 delivers optimal performance in detecting fire and rate-of-rise heat detection. Moreover, its 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. Its immunity to high-voltage current surges endows the device with higher level of production.

SD-32 utilizes the latest reflective photoelectric sensor and advanced microprocessor to deliver optimal performance in detecting fire and rate-of-rise heat detection. After all, when it comes to safety, there is no room for compromise.

### Features

- Multiple optical sensor capable of preventing false alarms caused by cooking nuisance
- Polyurethane foam detection in fast moving fire and slow smoldering burn
- Reflective photoelectric sensor to detect smoke from any source, especially smoldering fires
- High-voltage current surges Immunity
- Auto-calibration every month to re-adjust detection threshold value
- Self-diagnostics function to ensure optimal performance
- Loud 85dB Siren for audio alert
- Randomized supervision signals to check system integrity
- Rate-of-rise heat detection when temperature exceeds 57.25°C or rises by 8.5°C per minute (optional)
- Built-in PIR motion detects movements and supports scene creation (optional)

## SD-32 Multi-Functional Smoke Detector Series

### Specifications

#### SD-32-HM

RF Frequencies	433 MHz / 868MHz
Power Source	3V , CR123 Lithium battery x 3
Battery Life	10 years* (CR123)
Audible Output	85dBA at 3m
Temperature Sensitivity	±1°C
PIR Motion Detection Range	Up to a radius of (6 meters) (at 3 meter mounting height**) (SD-32-M / SD-32-HM 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-32-HM-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 6 meters (at 3 meter mounting height**) (SD-32-M-SC-AC / SD-32-HM-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-32-H</b>	Battery-powered Smoke Detector with Heat Detector
<b>SD-32-M</b>	Battery-powered Smoke Detector with PIR Motion Sensor
<b>SD-32-HM</b>	Battery-powered Smoke Detector with Heat Detector and PIR Motion Sensor
<b>SD-32-H-SC-AC</b>	AC-powered Smoke Detector with Heat Detector and Interconnection function
<b>SD-32-M-SC-AC</b>	AC-powered Smoke Detector with PIR Motion Sensor and Interconnection function
<b>SD-32-HM-SC-AC</b>	AC-powered Smoke Detector with Heat Detector, PIR Motion Sensor and Interconnection function