FINGERTEC

Sensitivity for Security

Smoke and Heat Sensor SH220

The smoke and heat sensor SH220 is a portable photoelectric application to monitor open areas by detecting smoke and heat. It is stable, reliable and complies with UL217 & BS5446: Part 1 2000. It is battery-powered, making it easy to install at any open area without power supply. The battery instantly becomes a backup power source if you supply 12VDC power to the detector.
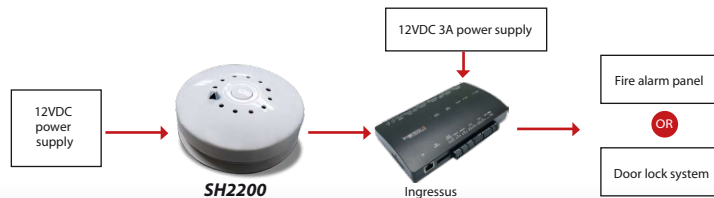
SH220 can be linked with Ingressus via auxiliary input to monitor zones in cases of fire emergencies. When SH220 is triggered, users are alerted with its integrated siren that provides alarm sounds at 85 dB, up to 10 feet of distance. At the same time, it will also send signals to Ingressus for further action such as releasing all doors for secure evacuation.

BENEFITS

- Designed for easy installation onto walls and ceilings
- Optional power source: 12VDC power supply or 9VDC battery
- Special mounting plate during installation to avoid mishandling of battery
- Integrated with siren to produce alert sounds up to 85dB
- Alarm indicator flashes during emergencies
- Low battery signal for battery replacement alerts
- Complies with UL217 & BS5446: Part 1 2000
- CE approved

INSTALLATION DIAGRAM

12VDC power supply → SH2200 → Ingressus → Fire alarm panel OR Door lock system

12VDC 3A power supply

SPECIFICATIONS

POWER REQUIREMENT

Power supply	12VDC *Optional: 9VDC Battery (approximately 1 year operation if running on battery only)*
Idle Operation current	≦10μA
Alarm trigger current	20 ~ 50 mA

SENSOR DETAILS

Size	110mm X 25mm
Smoke Sensitivity	Complies with UL217 & BS5446: Part 1 2000
Photoelectric sensor	Yes
Heat to trigger alarm	Adjustable, up to 58°C
Alarm indication	Red LED and Sounder
Alarm sound	85 Decibels at 10 feet
Operating temperature	4.4C to 37.8°C
Operating humidity	10 ~ 90%

1 YEAR LIMITED WARRANTY
15 Months for Resellers

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