

## 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.

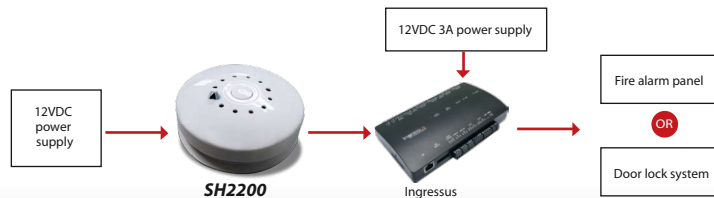
SH220 can be linked with Ingressus via auxiliary input to monitor zones in cases of fire emergencies. When SH220 is triggered, users are alerted with its integrated siren that provides alarm sounds at 85 dB, up to 10 feet of distance. At the same time, it will also send signals to Ingressus for further 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



#### SPECIFICATIONS

##### POWER REQUIREMENT

|                        |   |
|------------------------|---|
| Power supply           | 12VDC <i>Optional: 9VDC Battery (approximately 1 year operation if running on battery only)</i> |
| 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%                                  |

