



# **Conventional Fire Alarm Devices**



C-9102  
C-9102 UL



### Conventional Optical Smoke Detector

- Aesthetically pleasing low profile design
- Twin LED for 360o vision
- Removable optical chamber for easy cleaning and maintenance
- With remote indicator output
- UL, LPCB Listed

### Technical Specifications

- Standard: EN54-part7
- Operating Voltage: 24VDC
- Operating Current:
  - Standby Current: 0.06mA
  - Alarm Current: 30mA
- Operating Environment:
  - Temperature: -10~+50°C
  - Relative Humidity: 95%
- Dimensions: Diameter 100mm, Height 50mm



C-9103  
C-9103 UL



### Conventional Dual Heat Detector

- Fixed Temperature and Rate of Rise Heat Detection
- Aesthetically pleasing low profile design
- 8 bit intelligent processor
- Twin LED for 360o vision
- With remote indicator output
- UL, LPCB Listed

### Technical Specifications

- Standard: EN54-part5
- Operating Voltage: 24VDC
- Operating Current:
  - Standby Current: 0.06mA
  - Alarm Current: 30mA
- Operating Environment:
  - Temperature: -10~+50°C
  - Relative Humidity: 95%
- Dimensions: Diameter 100mm, Height 50mm



C-9101



### Conventional Multi Sensor

- Combined all the features of the C-9102 Optical and the C-9103 Heat detector
- LED for 360° vision
- Sensing chamber for exceptional dust proof ability
- Ideal alternative to Ionization detector
- Low profile design

### Technical Specifications

- Standard: EN54-part 5, part 6 and part 7
- Operating Voltage: 24VDC
- Operating Current:
  - Standby Current: 0.06mA
  - Alarm Current: 30mA
- Operating Environment:
  - Temperature: -10~+ 50°C
  - Relative Humidity: 95%
- Field Programmable Sensitivity: 0.102dB/m ~ 0.316B/m-3 levels
- Dimensions: Diameter 100mm, Height 44.5mm



C-9104

### Conventional Ultraviolet Flame Detector

- Ultraviolet Sensor that detects the UV rays emitted by a flame
- Aesthetically pleasing low profile design
- Dust / corrosion / humidity resistant
- Standard calibration set to detect a 3cm flame at 6 metres
- Effective range 12 metres

### Technical Specifications

- Operating Voltage: 24VDC
- Operating Current:
  - Standby Current: 1.2mA
  - Alarm Current: 30mA
- Operating Environment:
  - Temperature: -10~+50°C
  - Relative Humidity: 95%
- Detection Angle: 80°
- Dimensions: Diameter 100mm, Height 41mm



R-6601



### 4-wire Conventional Smoke Detector

- Two of output contacts, open circuit when operating; contacts closed and self-lock when alarming
- New scattering technology
- Unique labyrinth design protect against insect, dust, light infiltration

### Technical Specifications

- Operating Voltage: 12VDC
- Operating Current:
  - Standby Current: 1mA
  - Alarm Current: 20mA
- Operating Environment:
  - Temperature: -10~+50°C
  - Relative Humidity: 95%
- Dimensions: Diameter 100mm, Height 56mm



R-6602



### 4-wire Conventional Heat Detector

- Two of output contacts, open circuit when operating; contacts closed and self-lock when alarming
- Built-in single chip microcomputer for real time data sampling and processing
- Fixed temperature alarm

### Technical Specifications

- Operating Voltage: 12VDC
- Operating Current:
  - Standby Current: 1mA
  - Alarm Current: 20mA
- Operating Environment:
  - Temperature: -10~+50°C
  - Relative Humidity: 95%
- Dimensions: Diameter 100mm, Height 58mm



S-9102



### Smoke Alarm (Battery Optical Smoke Detector)

- Self contained optical smoke detector and alarm sounder
- Easy installation
- Test/Reset Button
- Low battery indication
- Battery removal will inhibit cover from closing (as per UL standards)
- Low sensitivity alert
- Connection port to link up to 30 detectors in a single system
- Output to interface with other security equipment

### Technical Specifications

- Power Supply: PP3 DC9V battery, lasting 1+ year
- Sounder Output: 80dB @ 1 Metre
- Operating Environment:
  - Temperature: -10~+ 50°C
  - Relative Humidity: 95%
- Dimension: Diameter 140mm, Height 54mm (with base)



DZ-03

### Standard Detector Base

- Fixing and terminating of conventional detectors with directional gaps
- Compatible with GST conventional detectors using 4.7kΩ, resistor end of line (EOLR)
- Common base for C-9101 / 2 / 3 / 4



DZ-03D

### Diode Base

- Diode base version for conventional detectors utilising P-9907 active end of line (AEOL)
- Common base for C-9101 / 2 / 3 / 4



C-9602LW-LPG  
C-9602LW-NG  
C-9602LW-CG

### Conventional Combustible Gas Detector

- Available for LPG, Natural Gas and Coal Gas (please specify at time of order)
- Built-in relay contacts for control of Gas Valves / Extract etc
- Built-in sounder with 2 stage alarm
- Manual reset and control (on/off) of relay contacts

### Technical Specifications

- Operating Voltage: 220VAC
- Operating Consumption: 3Watt
- Alarm Level: Pre-alarm 12%LEL  
Urgent Alarm 23%LEL
- Output: K1/K2, N/O contact, 3A/220VAC, active when pre-alarm  
V1/V2, 12VDC Pulse
- Operating Environment:  
Temperature: -10~+50°C  
Relative Humidity: 95%
- Wiring: 2-core AC power supply



C-9202



### Conventional Manual Call Point

- Compatible with latest EN standards
- Non-breaking re-settable glass (via special key)
- Two part plug-in construction with base mounted termination allows easy installation and connection

### Technical Specifications

- Operating Voltage: 24VDC
- Operating Current:  
Standby Current: 0  
Alarm Current: 30mA
- N/O Output Contact: Rating 60VDC, 0.1A
- Contact Resistance 100mΩ
- Operating Environment:  
Temperature: -10~+50°C  
Relative Humidity: 95%
- Dimensions: 95mm x 98mm x 40mm



C-9401

### Conventional Sounder Beacon

- Conventional combined flashing high intensity LED beacon and sounder
- Two part plug-in construction with base mounted termination allowing easy installation and connection

### Technical Specifications

- Operating Voltage: 24VDC
- Operating Current:
  - Standby Current: 0mA
  - Alarm Current: 160mA
- Alarm Volume (SPL): 95dB @1 Metre
- Wiring: 2-core polarized
- Operating Environment:
  - Temperature: -10~+50°C
  - Relative Humidity: 95%
- Dimension: 144mm x 90mm x 57mm



C-9403

### Conventional Sounder and Strobe

- Two parts construction with base mounted termination allows easy installation
- Strobe provided by high intensity LED cluster

### Technical Specifications

- Operation Voltage: 24VDC
- Operating Current:
  - Standby Current: 0mA
  - Alarm Current: 50mA
- Sounder Output: 94dB @ 1 Metre
- Wiring: 2-core polarized
- Operating Environment:
  - Temperature: -10~+50°C
  - Relative Humidity: 95%
- Dimension: Diameter 110mm, Height 97.5mm





C-9404



### Conventional Sounder

- Identical in appearance and features to the C-9403 but without the strobe element

### Technical Specifications

- Operation Voltage: 24VDC
- Operating Current:
  - Standby Current: 0mA
  - Alarm Current: 35mA
- Sounder Output: 94dB @ 1 Metre
- Wiring: 2-core polarized
- Operating Environment:
  - Temperature: -10~+50°C
  - Relative Humidity: 95%
- Dimension: Diameter 110mm, Height 97.5mm



C-94DB

### Deep Base

- Optional deep base for Sounder and Strobe (C-9403 / C-9404)
- For surface mount cable entry