

EXPERT IN SAFETY AND SECURITY TECHNOLOGY



CST

Product Range Guide



Date: 2010.09

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INTRODUCTION

Over the past twenty years, We have always been dedicated to serving the diverse needs of our customers. Although we started out as a tiny engineering and manufacturing company in China and have grown into a global player in the international safety market, ConvoyTech continues to work hard to earn your trust and retain your confidence in our product line.

ConvoyTech manufactures thousands of uniquely made smoke, heat and gas detectors annually, fulfilling a special role or function for each of our customers. ConvoyTech can custom-design detectors specifically for your applications. From product design to final manufacturing, we offer one-stop shopping for your residential and commercial detector needs. Any one of our existing product designs can also be modified to meet your specific requirements. In a "one-size-fits-all" world, ConvoyTech works harder to tailor our solutions to meet your needs.

ConvoyTech is an ISO 9001:2000 certified manufacturer with an extended network of manufacturing subcontractors and suppliers located nearby. Our company currently owns a number of testing facilities, such as a UL-standard fire testing lab, a UL test box, a dust test chamber, an EN-54 testing tunnel, a buzzer sound-level trial station and a fluorescent-light interference testing site as well as EMC test equipment. We are also planning to expand our manufacturing and testing facilities in China to ensure that our products and manufacturing practices continue to meet the highest standards.

Smoke, heat, and gas detector manufacturing isn't an easy business to be in. Faced with the stiff competition from cheaply made, low-quality detectors, we remain committed to our customers with high quality products at the most reasonable prices. Our focus is to deliver meaningful value to clients that choose our brand over the competition through our commitment to quality. This year we are preparing to introduce our new line of advanced, feature-rich conventional and addressable detectors and panels at a competitive price.

We invite you to get to know ConvoyTech better. Experience the very best in smoke detector technology. We are convinced that you will find ConvoyTech superior to any other detector company in China. You'll see it in our facilities, in our people, and in the products that ConvoyTech makes. It's our uncommon commitment to excellence and quality, and to the automation and productivity of our customers.

Smoke Alarm

Battery Powered Photoelectric Smoke Alarm

Model: DG313



- Battery Operated (9V Battery Included)
- Photoelectric Sensor – Advanced photoelectric sensor is especially effective in detecting smoldering fires.
- Test Button – Tests unit's electronic circuitry, horn and battery function.
- Red LED – Indicates that the smoke alarm is operating properly and alarm condition.
- Low Battery Indicator – Smoke alarm will chirp in the event of a low battery.
- Up to 85dB sound level

Battery Powered Photoelectric Smoke Alarm

Model: DG312



- Battery Operated (9V Battery Included)
- Photoelectric Sensor – Advanced photoelectric sensor is especially effective in detecting smoldering fires.
- Test Button – Tests unit's electronic circuitry, horn and battery function.
- Red LED – Indicates that the smoke alarm is operating properly and alarm condition.
- Low Battery Indicator – Smoke alarm will chirp in the event of a low battery.
- Up to 85dB sound level

Battery Powered Photoelectric Smoke Alarm

Model: DG168



- Battery Operated (9V Battery Included)
- Photoelectric Sensor – Advanced photoelectric sensor is especially effective in detecting smoldering fires.
- Test Button – Tests unit's electronic circuitry, horn and battery function.
- Red LED – Indicates that the smoke alarm is operating properly and alarm condition.
- Low Battery Indicator – Smoke alarm will chirp in the event of a low battery.
- Up to 85dB sound level

Smoke Alarm

AC Powered Photoelectric Smoke Alarm with 9V Battery Backup
Model : DG321



- 90~270VAC Powered with Battery backup Operated – Protects even during AC power outage.
- Photoelectric Sensor – Advanced photoelectric sensor is especially effective in detecting smoldering fires.
- Test Button – Tests unit's electronic circuitry, horn and battery function.
- Red LED – Indicates that the smoke alarm is operating properly and alarm condition.
- Low Battery Indicator – Smoke alarm will chirp in the event of a low battery during AC power outage.

Wireless Radio Link Battery Photoelectric Smoke Alarm
Model : DG331



- Battery Operated (9V Battery Included)
- Photoelectric Sensor – Advanced photoelectric sensor is especially effective in detecting smoldering fires.
- Wireless radio alarm interactive linked with others.
- Remote controller included for easy operating.
- Test Button – Tests unit's electronic circuitry, horn and battery function.
- Red LED – Indicates that the smoke alarm is operating properly and alarm condition.
- Low Battery Indicator – Smoke alarm will chirp in the event of a low battery.

4-Wire Detector with Relay Output

4-Wire Smoke Detector with Relay Output
Model : YT142



- Compatible with all the security alarm system
- Alarm Relay Output(NO/NC can be adjustable)
- Unpolarized wire input
- Wide range of operating voltages(9V~28VDC)
- Unique optical sensing chamber
- Two LEDs blink standby, provide 360° visibility
- Insect-resistant screening
- Twist-on mounting base with tamper lock
- Drift compensation and smoothing algorithms

4-Wire Smoke Detector with Relay Output
Model : YT142C



- Compatible with all the security alarm system
- Alarm Relay Output(NO/NC can be adjustable)
- Unpolarized wire input
- Wide range of operating voltages(9V~28VDC)
- Unique optical sensing chamber
- Two LEDs blink standby, provide 360° visibility
- Insect-resistant screening
- Twist-on mounting base with tamper lock
- Drift compensation and smoothing algorithms

Smoke Alarm
4-Wire Detector with Relay Output

4-Wire Detector with Relay Output

4-Wire Smoke Detector with Relay Output
Model: DG168A



- Compatible with all the security alarm system
- Alarm Relay Output(NO/NC can be adjustable)
- Wide range of operating voltages(9V~28VDC)
- Test button to test the detector
- Alarm LED indicate the alarm
- Unique optical sensing chamber
- Insect-resistant screening
- Twist-on mounting bracket included

4-Wire Smoke & Heat Detector with Relay Output
Model: FT143



- Compatible with all the security alarm system
- Alarm Relay Output(NO/NC can be adjustable)
- Unpolarized wire input
- Wide range of operating voltages(9V~28VDC)
- Unique optical sensing chamber
- High precision electronic thermistor
- Two LEDs blink standby, provide 360° visibility
- Insect-resistant screening
- Twist-on mounting base with tamper lock

4-Wire Detector with Relay Output

4-Wire Heat Detector with Relay Output
Model: WT145



- Compatible with all the security alarm system
- Alarm Relay Output(NO/NC can be adjustable)
- Unpolarized wire input
- Wide range of operating voltages(9V~28VDC)
- High precision electronic thermistor
- Two LEDs blink standby, provide 360° visibility
- Twist-on mounting base with tamper lock

4-Wire Heat Detector with Relay Output
Model: WT145C



- Compatible with all the security alarm system
- Alarm Relay Output(NO/NC can be adjustable)
- Unpolarized wire input
- Wide range of operating voltages(9V~28VDC)
- High precision electronic thermistor
- Two LEDs blink standby, provide 360° visibility
- Twist-on mounting base with tamper lock

UV Flame Detector with Relay Output
Model: CF6002



- Compatible with all the security alarm system
- Alarm Relay Output(NO/NC can be adjustable)
- Wide range of operating voltages(9V~28VDC)
- Quick Detection of UV Flame from Distance
- Spectrum 180 to 290nm
- Detection Angle 110degree
- Detection Sensitivity: Grade I, 25m@flame(0.33x0.33m,height 5cm,2kg ethanol)
- Built in microprocessor intelligent software
- Two LEDs blink standby, provide 360° visibility
- Twist-on mounting base with tamper lock

4-Wire Detector with Relay Output
4-Wire Detector with Relay Output

Combustible Gas Detector

AC Powered Plug-In Gas Detector
Model : GA501



- Detect all sorts of combustible gases, natural gas (methane), bottled gas (propane), LPG (Liquefied petroleum Gas), LNG (Liquefied natural gas), coal gas, including town gas.
- Wide AC power Input - AC90~270V
- Easy to install, mounting bracket included.
- Loud 85dB alarm and LED warning light.
- High quality durable sensor Ideal for all kitchens.
- Self diagnostic function by MCU intelligent software.
- Excellent reliability & High stability.
- Test/Reset Button - Tests the alarm electronics and resets the unit during alarm.
- Power LED - Indicates alarm is receiving power and operating properly.
- Alarm/Fault LED - Illuminates when in alarm/fault mode.

DC Powered Wire-In Combustible Gas Detector with Relay Output
Model : GA541



- Detect all sorts of combustible gases, natural gas (methane), bottled gas (propane), LPG (Liquefied petroleum Gas), LNG (Liquefied natural gas), coal gas, including town gas.
- Wide DC power Input - DC9V~28VDC
- Alarm Signal Output - Relay contacts outputs.
- Easy to install, mounting bracket included.
- Loud 85dB alarm and LED warning light.
- High quality durable sensor Ideal for all kitchens.
- Test/Reset Button - Tests the alarm electronics and resets the unit during alarm.
- Power LED - Indicates alarm is receiving power and operating properly.
- Alarm/Fault LED - Illuminates when in alarm/fault mode.

AC Powered Plug-In Combustible Gas Detector with Control output
Model : GA541-A



- Detect all sorts of combustible gases, natural gas (methane), bottled gas (propane), LPG (Liquefied petroleum Gas), LNG (Liquefied natural gas), coal gas, including town gas.
- Wide AC power Input - AC90~270V
- Alarm Signal Output - Voltage outputs.
- Easy to install, mounting bracket included.
- Loud 85dB alarm and LED warning light.
- High quality durable sensor Ideal for all kitchens.
- Test/Reset Button - Tests the alarm electronics and resets the unit during alarm.
- Power LED - Indicates alarm is receiving power and operating properly.
- Alarm/Fault LED - Illuminates when in alarm/fault mode.

Combustible Gas Detector

AC Powered Plug-In Gas & Carbon Monoxide Detector
Model : GC511



- Detect all sorts of combustible gases and carbon monoxide gas, natural gas (methane), bottled gas (propane), LPG (Liquefied petroleum Gas), LNG (Liquefied natural gas), coal gas, including town gas.
- AC power Input - AC220V
- Easy to install, mounting bracket included.
- Loud 85dB alarm and LED warning light.
- High quality durable sensor Ideal for all kitchens.
- Self diagnostic function by MCU intelligent software.
- Test/Reset Button - Tests the alarm electronics and resets the unit during alarm.
- Power LED - Indicates alarm is receiving power and operating properly.
- Alarm/Fault LED - Illuminates when in alarm/fault mode.

DC Powered Wire-In Combustible Gas Detector with Relay Output
Model : GA543C



- Detect all sorts of combustible gases, natural gas (methane), bottled gas (propane), LPG (Liquefied petroleum Gas), LNG (Liquefied natural gas), coal gas, including town gas.
- Wide DC power Input - DC9V~28VDC
- Alarm Signal Output - Relay contacts or voltage outputs.
- Easy to install, mounting bracket included.
- Loud 85dB alarm and LED warning light.
- High quality durable sensor Ideal for all kitchens.
- Test/Reset Button - Tests the alarm electronics and resets the unit during alarm.
- Power LED - Indicates alarm is receiving power and operating properly.
- Alarm/Fault LED - Illuminates when in alarm/fault mode.

Combustible Gas Detector

Combustible Gas Detector

AC Powered Plug-In Gas Detector
Model: GA502



- Detect all sorts of combustible gases, natural gas (methane), bottled gas (propane), LPG (Liquefied petroleum Gas), LNG (Liquefied natural gas), coal gas, including town gas.
- Digital Display the level of gas the unit is sensing. The unit updates this reading every 15 seconds.
- Wide AC power Input - AC90~270V
- Loud 85dB alarm and LED warning light.
- Test/Reset Button - Tests the alarm electronics and resets the unit during alarm.
- Power LED - Indicates alarm is receiving power and operating properly.
- Alarm/Fault LED - Illuminates when in alarm/fault mode.

AC Powered Plug-In
Gas & Carbon Monoxide Detector
Model: GC512



- Detect all sorts of combustible gases and carbon monoxide gas, natural gas (methane), bottled gas (propane), LPG (Liquefied petroleum Gas), LNG (Liquefied natural gas), coal gas, including town gas.
- Digital Display the level of gas the unit is sensing. The unit updates this reading every 15 seconds.
- Wide AC power Input - AC90~270V
- Loud 85dB alarm and LED warning light.
- Peak Level Display Button.
- Test/Reset Button - Tests the alarm electronics and resets the unit during alarm.
- Power LED - Indicates alarm is receiving power and operating properly.
- Alarm/Fault LED - Illuminates when in alarm/fault mode.

Carbon Monoxide Detector

AC Powered Plug-In Carbon Monoxide Detector
Model: CO301



- High sensitivity gas sensor - with micro controller unit
- Wide AC power Input - AC90~270V
- Easy Installation - Mounts near to any wall outlet.
- Easy Mounting Bracket - Allows for fast installation and perfect alignment.
- Loud 85dB - Alerts you of deadly CO gas.
- Test/Reset Button - Tests the alarm electronics and resets the unit during alarm.
- Power LED - Indicates alarm is receiving power and operating properly.
- Alarm/Fault LED - Illuminates when in alarm/fault mode.

Combustible Gas Detector
Carbon Monoxide Detector

Carbon Monoxide Detector

AC Powered Plug-In Carbon Monoxide Detector

Model: CO302



- High sensitivity gas sensor - with micro controller unit
- Digital Display – Displays the level of gas the unit is sensing.
- The unit updates this reading every 15 seconds.
- Wide AC power Input - AC90~270V
- Peak Level Display Button.
- Easy Mounting Bracket - Allows for fast installation and perfect alignment.
- Loud 85dB - Alerts you of deadly CO gas.
- Test/Reset Button - Tests the alarm electronics and resets the unit during alarm.
- Power LED - Indicates alarm is receiving power and operating properly.
- Alarm/Fault LED - Illuminates when in alarm/fault mode.

Battery Powered Carbon Monoxide Detector

Model: CO312



- High sensitivity gas sensor - with micro controller unit
- Digital Display – Displays the level of gas the unit is sensing.
- The unit updates this reading every 15 seconds.
- Peak Level Display Button.
- Easy Mounting Bracket - Allows for fast installation and perfect alignment.
- Loud 85dB - Alerts you of deadly CO gas.
- Test/Reset Button - Tests the alarm electronics and resets the unit during alarm.
- Power LED - Indicates alarm is receiving power and operating properly.
- Alarm/Fault LED - Illuminates when in alarm/fault mode.

Conventional Fire Alarm Control Panel

4 Zone Fire Alarm Control Panel

Model: CK1004



General

The CK1000 Series Conventional Fire Alarm Control Panel is a 24 volt, four, eight, sixteen-zone, Class B, Conventional Fire Alarm Control Panel. Designed exclusively to meet the latest market requirements and future ULC codes, the highly cost-effective CK1000 Series can be used in a variety of low- to mid-sized applications.

Specifications

AC POWER:

90 to 270VAC, 50 Hz, 3.0 amps.

Wire size: minimum 14 AWG (2.0 mm²) with 600-volt insulation.

BATTERY:

Sealed lead-acid batteries only.

Maximum charging circuit: 27.6VDC @ 0.8 amp for normal flat charge.

Maximum battery charger capacity: 18AH battery.

8 Zone Fire Alarm Control Panel

Model: CK1008



Features

Four to Sixteen Style B (Class B) Initiating Device Circuits (IDCs).

All zones accept two-wire smoke detectors and any normally-open contact devices.

Zones 1 - 16 configured as general alarm zones.

All circuits are power-limited and supervised, meeting the latest ULC requirements using fuseless technology.

Two built-in, Style Y (Class B) Notification Appliance (Signal) Circuits (NACs).

NACs may be programmed: Silenceable, Non-Silenceable, Auto-Silence

1.25 amps of NAC power. 3.00 amps of total system power.

Alarm, Trouble and Supervisory, relay output. 24 volt operation.

Resettable four-wire smoke detector power @ 500 mA. Non-resettable power @ 500 mA.

Integral battery charger capable of charging up to 18 AH batteries (batteries over 4 AH require use of the external battery backbox, or ULC listed equivalent).

Disable/Enable control per IDC.

Reverse polarity protection.

16 Zone Fire Alarm Control Panel

Model: CK1016



Carbon Monoxide Detector
Conventional Fire Alarm Panel

Conventional Fire Alarm Control Panel

2 Zone Fire Alarm Control Panel
Model: CP1002



General

The CP1000 Mini Series Conventional Fire Alarm Control Panel is a 24 volt, two, four-zone, Class B, Conventional Fire Alarm Control Panel. Designed exclusively to meet the latest market requirements and future EN54 codes, the highly cost-effective CP1000 Series can be used in a variety of low- to mid-sized applications.

Specifications

AC POWER:
90 to 270VAC, 50 Hz, 1.0 amps.
Wire size: minimum 14 AWG (2.0 mm²) with 600-volt insulation.
BATTERY:
Only One DC12V Sealed lead-acid batteries needed.
Maximum charging circuit: 13.5VDC @ 0.8 amp for normal flat charge.
Maximum battery charger capacity: 4AH battery.
Size: 258x160x80 mm

Features

Two and Four Zones.(Zone1 to Zone4)
Maximum Number of Detectors per Zone: 30
Two Sound output.(Sound1 and Sound2)
Maximum Number of Sounders per Zone: 16
Fire1 Alarm relay output.(When any zones alarms)
Fire2 Alarm relay output.(When Zone1 and Zone2 alarms)
Fault relay output.

4 Zone Fire Alarm Control Panel
Model: CP1004



4 Zone Fire Fighting Panel
Model: CM1004



The Control panel is designed in accordance with European standards EN54-2 and EN54-4 Fire Detection and Fire Alarm systems - Components for gas extinguishing systems.
Four detection Zones.
LED display delay timer.
Manual and Automatic keys
Enable keys for operating.
Manual release button.
Manual Hold button.
Fire, Fault, Extract relay output.
Gas low pressure detection.

Conventional Products

Conventional Smoke Detector
Model: YT102



- Compatible with all the conventional fire alarm control panel
- Unpolarized wire input
- Wide range of operating voltages
- Unique optical sensing chamber
- Built in microprocessor intelligent software
- Two LEDs blink standby, provide 360° visibility
- Insect-resistant screening
- Twist-on mounting base with tamper lock
- Drift compensation and smoothing algorithms
- Remote Indicator LED can be connected.

Conventional Heat Detector
Model: WT105



- Compatible with all the conventional fire alarm control panel
- Unpolarized wire input
- Wide range of operating voltages
- High precision electronic thermistor
- Built in microprocessor intelligent software
- Two LEDs blink standby, provide 360° visibility
- Insect-resistant screening
- Twist-on mounting base with tamper lock
- Remote Indicator LED can be connected.

Conventional Smoke & Heat Detector
Model: FT103



- Compatible with all the conventional fire alarm control panel
- Unpolarized wire input
- Wide range of operating voltages
- Unique optical sensing chamber and High precision electronic thermistor
- Built in microprocessor intelligent software
- Two LEDs blink standby, provide 360° visibility
- Insect-resistant screening
- Twist-on mounting base with tamper lock
- Drift compensation and smoothing algorithms
- Remote Indicator LED can be connected.

Conventional Fire Alarm Panel
Conventional Product

Conventional Prouducts

Conventional Smoke Detector
Model: YT102C



- Compatible with all the conventional fire alarm control panel
- Unpolarized wire input
- Wide range of operating voltages
- Unique optical sensing chamber
- Built in microprocessor intelligent software
- Two LEDs blink standby, provide 360° visibility
- Insect-resistant screening
- Twist-on mounting base with tamper lock
- Drift compensation and smoothing algorithms
- Remote Indicator LED can be connected.

Conventional Heat Detector
Model: WT105C



- Compatible with all the conventional fire alarm control panel
- Unpolarized wire input
- Wide range of operating voltages
- High precision electronic thermistor
- Built in microprocessor intelligent software
- Two LEDs blink standby, provide 360° visibility
- Insect-resistant screening
- Twist-on mounting base with tamper lock
- Remote Indicator LED can be connected.

Conventional Prouducts

Mini Conventional Smoke Detector
Model: YT102M



- Compatible with all the conventional fire alarm control panel
- Unpolarized wire input
- Wide range of operating voltages
- Unique optical sensing chamber
- Built in microprocessor intelligent software
- Two LEDs blink standby, provide 360° visibility
- Insect-resistant screening
- Twist-on mounting base with tamper lock
- Drift compensation and smoothing algorithms
- Remote Indicator LED can be connected.
- Mini size: Diameter 64mm, Height 42mm(include base)

Mini Conventional Heat Detector
Model: WT105M



- Compatible with all the conventional fire alarm control panel
- Unpolarized wire input
- Wide range of operating voltages
- High precision electronic thermistor
- Built in microprocessor intelligent software
- Two LEDs blink standby, provide 360° visibility
- Insect-resistant screening
- Twist-on mounting base with tamper lock
- Remote Indicator LED can be connected.
- Mini size: Diameter 64mm, Height 42mm(include base)

Conventional Product
Conventional Product

Conventional Products

Conventional Manual Call Point
Model: SB106



- Compatible with all the conventional fire alarm control panel
- Can be reset by key
- 470 Ohm resistance
- Easy surface mounting Base included

Conventional Sound Strobe
Model: SG109



- Compatible with all the conventional fire alarm control panel
- Long light life up to 40000 flashes
- High sound level up to 100dB

Conventional Alarm Bell
Model: JL188-6"/8"/10"



- Three module size of 6", 8", 10"
- Compatible with all the conventional fire alarm control panel
- High sound level up to 95dB
- Easy installation bracket included
- Steel material



Conventional Product



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EXPERT IN SAFETY AND
SECURITY TECHNOLOGY

Telephone: +86-(0)755-61501827
Fax: +86-(0)755-29912817
Email: export@convoytech.com
<http://www.convoytech.com>