



Surface-mount
Dimension: $\varnothing 108 \times 43$ (H) mm



Recessed-mount
Dimension: $\varnothing 139.5 \times 50.5$ (H) mm
Installation Hole Size: 110(Dia.) mm



Surface-mount
Dimension: $\varnothing 108 \times 46$ (H) mm



Recessed-mount
Dimension: $\varnothing 139.5 \times 52$ (H) mm
Installation Hole Size: 110(Dia.) mm



Surface-mount
Dimension: $\varnothing 108 \times 47$ (H) mm



Recessed-mount
Dimension: $\varnothing 139.5 \times 53$ (H) mm
Installation Hole Size: 110(Dia.) mm

**YRR-11 Surface/Recessed-mount
Addressable Rate of Rise Heat Detector**

- Binary coded address dip switch.
- Two-wire multi-transmission.
- Expandable to connect with conventional detectors.
- It reacts sensitively with rapid rise in temperature.
- Employ mechanical operating principle for long-term durability.
- Auto reset to original status after use.
- High-quality parts are used to ensure functional reliability.
- The detector is made of flame retardant and high temperature-resistant plastic with elegance design.

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|-----------------------|--------------------------------------|-------------------|---------------------------------|
| EOL Capacitor | Below 10K Ω / address | Operating Voltage | 16~30V DC |
| | | Material | Flame retardant plastic |
| Operating Environment | 0°C~50°C relative humidity below 95% | Note | Built-in on-board EOL capacitor |
| Monitoring Current | 420 μ A / 24V DC | | |

**YRR-12 Surface/Recessed-mount
Addressable Fixed Temperature Heat Detector**

- Binary coded address dip switch.
- Two-wire multi-transmission.
- Expandable to connect with conventional detectors.
- Adopt UL-certified temperature sensor with better quality and durable maintenance.
- Auto reset to original status after use.
- Sealed sensor is to avoid moisture and dust from entering which may affect the performance.
- The electric contacts made of pure silver can respond sensitively.
- The detector is made of flame retardant and high temperature-resistant plastic with elegance design.

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| EOL Capacitor | Below 10K Ω / address | Operating Voltage | 16~30V DC |
| | | Material | Flame retardant plastic |
| Operating Environment | -10°C to 20°C lower than the nominal action temperature | Note | Built-in on-board EOL capacitor |
| Monitoring Current | 420 μ A / 24V DC | | |

**YRR-13 Surface/Recessed-mount
Addressable Photoelectric Smoke Detector**

- Binary coded address dip switch.
- Two-wire multi-transmission.
- Expandable to connect with conventional detectors.
- With photoelectric sensor, it can react rapidly and accurately with high stability. Also, there is no false alarm due to chemicals, exhaust gas, wind and exterior light.
- Stainless steel insect-proof nets (holes' diameter of 0.5 mm) ensure smooth inflow of smoke but preventing from insects or dust.
- The detector doesn't contain any radioactive substances, causing no harm to humans or animals.
- The detector is reusable and maintenance easy. Remove the cover to clean the interior.
- With compact styling and pretty outlines, the detector can enhance ceilings decoration design and visual effect.
- The detector is made of flame retardant and high temperature-resistant plastic with elegance design.

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| EOL Capacitor | Below 10K Ω / address | Operating Voltage | 16~30V |
| | | Material | Flame retardant plastic |
| Operating Environment | 0°C~50°C relative humidity below 95% | Note | Built-in on-board EOL capacitor |
| Monitoring Current | 450 μ A / 24V DC | | |



YRD-02 Rate of Rise Heat Detector

- Mechanical operating principles ensure long-term durability and least malfunction.
- Self-restoring function ensures elements repeatedly use.
- The exhaust valve of R.O.R Heat Detector part uses optical fiber glass capillary tubing that's heat-resistant and moisture-proof. Therefore, the fault alarm never occurs.

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|-------------------------------------|-----------------------------|---------------------|-------------------------|
| Operating Voltage | 12~30 V DC | Alarm Temp | Comply to EN54, CNS |
| Alarm Current @ 24 VDC 750 Ω | 30 mA (Max.) | Ambient Temperature | -10°C~+55°C |
| Polarization | Non-polarized | Ambient Humidity | 0~95% |
| Weight | 115g | Color | White |
| Dimensions | 101(Dia.) \times 44(H) mm | Material | Flame retardant plastic |

YFD-02 Fixed Temperature Heat Detector

- Stabilized performance, long-term durability and least malfunction are ensured by employing UL approved sensor.
- The sensitive part is enclosed to prevent from being moistened and contaminated.
- Self-restoring function ensures the elements repeatedly use.

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|-------------------------------------|-----------------------------|---------------------|-------------------------|
| Operating Voltage | 12~30 V DC | Alarm Temp | Comply to EN54, CNS |
| Alarm Current @ 24 VDC 750 Ω | 30 mA (Max.) | Ambient Temperature | -10°C~+55°C |
| Polarization | Non-polarized | Ambient Humidity | 0~95% |
| Weight | 100g | Color | White |
| Dimensions | 101(Dia.) \times 47(H) mm | Material | Flame retardant plastic |

**YSD-22 Two-wire Photoelectric Smoke Detector
YSD-23 Three-wire Photoelectric Smoke Detector
YSD-24 Four-wire Photoelectric Smoke Detector**

- Dual LEDs for 360-degree visibility.
- With the photoelectric light sensing principle, this kind of detector is activated more quickly, accurately and reliably, and there are no false alarm due to chemicals, exhaust gas, wind and exterior light.
- Detector has passed EMC test, which greatly eliminates false alarms caused by interference from nearby sources.
- Dual-LEDs display monitor and alarm; easy to identify the current status of the detector.
- Three-wire smoke detector is suitable for using with remote indicating lamps and four-wire smoke detector is appropriate to use with any devices which require output relays, like security system etc.

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|-----------------|------------------------------|-----------|---------------|---------------------|-----------------------------|
| Model No. | YSD-22 | YSD-23 | YSD-24 | Sensitivity Setting | Comply to EN54, CNS |
| Type | 2-wire | 3-wire | 4-wire | Ambient Temp. | 0°C~50°C |
| Voltage Range | 12~30 V DC | | | Ambient Humidity | 0~95% |
| Alarm Current | 30 mA (Max.) | | | Color | White |
| Standby Contact | 24V DC / 20~30 μ A Below | | | Material | Flame retardant plastic |
| Polarization | Non-polarized | Polarized | Non-polarized | Dimensions | 102(Dia.) \times 46(H) mm |
| Weight | 131g | | 137g | | |