

# 5600 Mechanical Heat Detectors

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**BOSCH**  
Invented for life



- ▶ Post-activation indicator to easily identify units in alarm
- ▶ Multiple configurations satisfy a broad range of installations
- ▶ Broad range of back box mounting options
- ▶ Reversible mounting bracket for surface-mount or flush-mount installations

The System Sensor 5600 Series Mechanical Heat Detectors provide low-cost property protection against fire and non-life-safety installations where smoke detectors are inappropriate.



#### Notice

For life-safety installations, smoke detectors must be used in lieu of or in addition to heat detectors.



#### Notice

The fixed-temperature sensors cannot be reset so they are not testable. The rate-of-rise sensors automatically reset and can be tested if care is taken to avoid exceeding the fixed-temperature setting of the detector.

## Functions

### Detector Labeling

The 5601P has a plain, unlabeled housing and is intended for residential applications. All other models have labeled housings to ensure that the proper detector is being used. Alphanumeric characters identify the activation method (FX for fixed temperature or FX/ROR for combination fixed temperature and rate-of-rise units) and the temperature rating in degrees Fahrenheit and degrees Celsius.

### Post-activation Fixed-temperature Indicator

When the detector is activated, the collector drops from the unit. This allows easy identification of all units in alarm.

## Certifications and approvals

System Sensor holds these Listings and Approvals:

NYC/MEA 199-03-E

| Region | Certification                                    |
|--------|--|
| USA    | UL UQGS: Heat - Automatic Fire Detectors (UL521) |
|        | FM 5600 Family                                   |
|        | CSFM see our website                             |

## Installation/configuration notes

### Compatibility Information

These mechanical heat detectors are compatible with all UL Listed Fire Alarm Control Panels (FACPs).

**Mounting Considerations**

Mount the detectors on ceilings using 3.5-inch or 4-inch octagonal back boxes, single-gang boxes, or 4-inch square back boxes with a square-to-round plaster ring. The mounting bracket is reversible for use in either surface-mount or flush-mount installations.

**Wiring Considerations**

The terminal blocks accept wires from 14 AWG to 22 AWG (ISO 2.5 mm<sup>2</sup> to 0.34 mm<sup>2</sup>).

**Parts included**

| Quant. | Component                |
|--------|--------------------------|
| 1      | Mechanical heat detector |
| 1      | Literature pack          |

**Technical specifications****Contact Ratings****Contact Ratings**

|                   |       |
|-------------------|-------|
| 6 VAC to 125 VAC: | 3 A   |
| 6 VDC to 28 VDC:  | 1 A   |
| 125 VDC:          | 0.3 A |
| 250 VDC:          | 0.1 A |

**Electrical**

|                      |  |
|----------------------|--|
| Voltage (operating): | 6 VAC to 125 VAC, 6 VDC to 28 VDC, 125 VDC, or 250 VDC |
|----------------------|--|

**Environmental**

|                    |                           |
|--------------------|---------------------------|
| Relative Humidity: | 5% to 95%, non-condensing |
|--------------------|---------------------------|

**Temperature (installation)**

|                        |  |
|------------------------|--|
| +135°F (+57°C) Models: | The normal ambient temperature is not to exceed +100°F (+38°C) |
| +194°F (+90°C) Models: | The normal ambient temperature is not to exceed +150°F (+66°C) |

**Mechanical**

|                                     |                                      |
|-------------------------------------|--------------------------------------|
| Dimensions (with mounting bracket): | 4.6 in. x 1.7 in. (11.6 cm x 4.4 cm) |
| Rate-of-rise Threshold:             | +15°F (+8.3°C) per min.              |
| Weight:                             | 6 oz (170 g)                         |

**Trademarks**

All hardware and software product names used in this document are likely to be registered trademarks and must be treated accordingly.

**Ordering information****5601P Single-circuit, Fixed-temperature (+135°F), Rate-of-rise Mechanical Heat Detector**

System Sensor® single-circuit fixed-temperature (+135°F), rate-of-rise mechanical heat detector. Order number **5601P**

**5602 Single-circuit, Fixed-temperature (+194°F), Rate-of-rise Mechanical Heat Detector**

System Sensor® single-circuit, fixed-temperature (+194°F), rate-of-rise mechanical heat detector. Order number **5602**

**5603 Single-circuit, Fixed-temperature (+135°F) Mechanical Heat Detector**

System Sensor® single-circuit, fixed-temperature (+135°F) mechanical heat detector. Order number **5603**

**5604 Single-circuit, Fixed-temperature (+194°F) Mechanical Heat Detector**

System Sensor® single-circuit, fixed-temperature (+194°F) mechanical heat detector. Order number **5604**

**5621 Dual-circuit, Fixed-temperature (+135°F), Rate-of-rise Mechanical Heat Detector**

System Sensor® dual-circuit, fixed-temperature (+135°F), rate-of-rise mechanical heat detector. Order number **5621**

**5622 Dual-circuit, Fixed-temperature (+194°F), Rate-of-rise Mechanical Heat Detector**

System Sensor® dual-circuit, fixed-temperature (+194°F), rate-of-rise mechanical heat detector. Order number **5622**

**5623 Dual-circuit, Fixed-temperature (+135°F) Mechanical Heat Detector**

System Sensor® dual-circuit, fixed-temperature (+135°F) mechanical heat detector. Order number **5623**

**5624 Dual-circuit, Fixed-temperature (+194°F) Mechanical Heat Detector**

System Sensor® dual-circuit, fixed-temperature (+194°F) mechanical heat detector. Order number **5624**

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