DESCRIPTION

The Series 600 Heat Detector is attractive, durable and features combination rate-of-rise and fixed temperature operation. Heat detectors are available in 135°F and 200°F temperature ratings.

Rate-of-rise detects heat by quickly responding to a rapid temperature increase. Rate-of-rise units have a wide spacing allowance of 50-foot centers. See specification table for details.

Fixed temperature reacts to heat by responding to a specific temperature setting.

Series 600 Detectors use the same reliable pneumatic rate-of-rise element of former models, but offer added aesthetic appeal.

The pneumatic rate-of-rise element responds to a rapid rise in temperature, approximately 15°F (8°C) per minute, by expansion of air within the sealed chamber faster than it can escape through a calibrated vent. The resultant increase in pressure depresses the diaphragm, causing the electrical contact to close the circuit.

The fixed temperature element uses a fusible alloy. When activated, the external heat collector drops away to provide quick visual confirmation that the element has operated.

The units protrude only 1-3/8 inch from the ceiling surface with a junction box mounting. They have pleasing contours and an all-white finish that conforms to ceiling aesthetics.

Installation

Each detector includes a patented reversible mounting plate. In one position, it easily attaches to 4" square junction box, 3.25" or 4" octagonal box, or plaster ring.

In reverse, the plate can be used for open wiring without a junction box. A 1/4" space between detector and mounting surface allows for wire connections. All mounting screws are concealed.

Test Methods

Models 601/621 and 602/622 can be tested by the quick application of heat from any convenient source. A portable hair dryer is recommended. However, do not apply heat that exceeds the fixed temperature rating of the detector. Models 603/623 and 604/624 cannot be tested. However, the fusible alloy element used is considered so reliable that testing is not necessary.

FEATURES

- UL, ULC, MEA Listed; FM and CSFM Approved
- Rate-of-rise and Fixed Temperature
- One or Two Circuit, Normally Open
- Easy Installation
- Low Profile
- Visual Indication
- Operation testing
- Manufactured by Chemtronics
### ORDERING INFORMATION (Single Circuit)

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>601</td>
<td>Heat Detector, ROR &amp; Fixed @ 135˚F (57˚C), Single Circuit (1 NO Contact)</td>
</tr>
<tr>
<td>602</td>
<td>Heat Detector, ROR &amp; Fixed @ 200˚F (94˚C), Single Circuit (1 NO Contact)</td>
</tr>
<tr>
<td>603</td>
<td>Heat Detector, Fixed @ 135˚F (57˚C), Single Circuit (1 NO Contact)</td>
</tr>
<tr>
<td>604</td>
<td>Heat Detector, Fixed @ 200˚F (94˚C), Single Circuit (1 NO Contact)</td>
</tr>
</tbody>
</table>

### ORDERING INFORMATION (Dual Circuit)

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>621</td>
<td>Heat Detector, ROR &amp; Fixed @ 135˚F (57˚C), Dual Circuit (2 NO Contacts)</td>
</tr>
<tr>
<td>622</td>
<td>Heat Detector, ROR &amp; Fixed @ 200˚F (94˚C), Dual Circuit (2 NO Contacts)</td>
</tr>
<tr>
<td>623</td>
<td>Heat Detector, Fixed @ 135˚F (57˚C), Single Circuit (1 NO Contact)</td>
</tr>
<tr>
<td>624</td>
<td>Heat Detector, Fixed @ 200˚F (94˚C), Dual Circuit (2 NO Contacts)</td>
</tr>
</tbody>
</table>

### SPECIFICATIONS

#### Electrical

| Ratings | 6-125VAC, 3.0 Amps | 6-28 VDC, 1.0 Amps | 125 VDC, 0.3 Amps | 250 VDC, 0.1 Amps |

#### Use:

Heat detectors should be used for property protection. Reliance should not be placed on heat detectors for Life Safety.

#### Dimensions:

<table>
<thead>
<tr>
<th>Model 601 and 621</th>
<th>Model 602 and 622</th>
<th>Model 603 and 623</th>
<th>Model 604 and 624</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 9/16&quot; W (round) x 1 3/8&quot;D</td>
<td>4 9/16&quot; W (round) x 1 3/8&quot;D</td>
<td>4 9/16&quot; W (round) x 1 3/8&quot;D</td>
<td>4 9/16&quot; W (round) x 1 3/8&quot;D</td>
</tr>
</tbody>
</table>

#### Mounting:

3 ¼" Octagonal Box or 4" square

*Refer to National Fire Alarm Code Standard NFPA 72 for application requirements*

---

Global Fire Control, Inc.
1201 7th Street, Suite 103
East Moline, IL  61244

Phone: 888-673-2900
Local: 309-755-6352
Fax: 309-755-8310
email: inquire@globalfirecontrol.com

NOTICE: The information contained in this document is intended only as a summary and is subject to change without notice. The devices described in this document have specific instruction sheets, which cover various technical limitation and liability information. Copies of these instruction sheets and the General Product Warning and Limitations Document, which also contains important information are provided with the product and are available from Global Fire Control, Inc. Information contained in these documents should be consulted before specifying or using the product. For further information or assistance concerning particular problems contact Global Fire Control, Inc. Global Fire Control, Inc. reserves the right to change specifications without notice.