

## Rate Compensated Heat Detector



### Features

- Rate compensated type of detector
- Durable hermetically sealed ALUMINUM shell
- All-weather and Explosion proof models available
- Easy to install
- Two temperature settings 57°C (135°F) and 90°C (194°F)

### Description

The Rate Compensated Heat Detectors provide accurate, positive response to fire threats. They are typically used to activate alarms and actuate extinguishing systems. They virtually eliminate false alarms.

They combine the best features of both Fixed Temperature and Rate-of-Rise detectors. All models are self-restoring, hermetically sealed, shock and corrosion resistant, and tamper-proof.

The Rate Compensated Heat Detectors are as reliable as they are simple. The unit's Aluminum shell expands as the temperature increases. At a pre-determined point, the shell's expansion causes a set of contacts to close sending an alarm signal to the Control Panel.

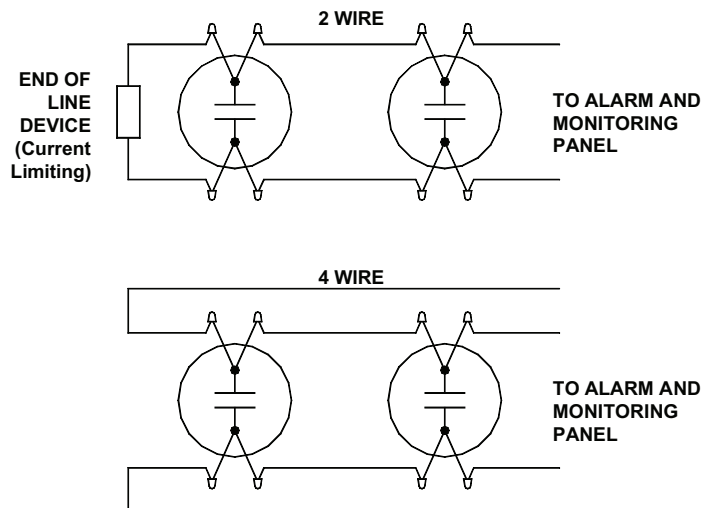
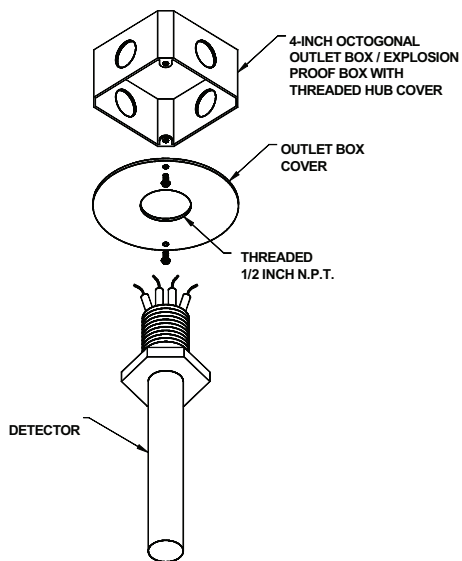
When the surrounding air temperature goes below the rated temperature level, the shell contracts which forces contacts to open, thus automatically resetting the detector.

The Rate Compensated Heat Detectors come two temperature settings, 57°C (135°F) and 90°C (194°F).

The Rate Compensated Heat Detectors can be installed in hazardous locations. They are recommended for Class 1, Groups B, C and D locations and for Class 2, Groups E, F and G locations. It is important when the detector is mounted in an explosion-proof environment that a suitable explosion-proof junction box is used.



## Installation & Wiring



**NOTE: HAND TIGHTEN ONLY**

## Technical Specifications

Electrical			
Contact Rating (Resistive only)	5A @ 125 VAC/0.5A @ 125 VDC/1A @ 24 VDC		
Physical			
Length	110 mm (4.0 in.)	Weight	104 g (3.6 oz.)

## Ordering Information

Model Number	Description
221-12996-00	Rate Compensated Heat Detector @ 57°C (135°F), All weather, Anodized
221-12996-03	Rate Compensated Heat Detector @ 90°C (194°F), All weather, Anodized
221-12996-02	Rate Compensated Heat Detector @ 57°C (135°F), All weather, White Epoxy
221-12996-01	Rate Compensated Heat Detector @ 90°C (194°F), All weather, White Epoxy
221-12996-04	Rate Compensated Heat Detector @ 57°C (135°F), All weather, Explosion-proof
221-12996-05	Rate Compensated Heat Detector @ 57°C (135°F), All weather, Explosion-proof
391-13896-00	Circular cover (4.25" dia.) with one centre hole 1/2" NPT