

## Features

- Low profile design
- Dual action (rate of rise/fixed temperature) or fixed temperature only
- White plastic housing
- Up to 70' inter detector spacing
- Open or closed contact versions available
- Available in single or multiple circuit versions
- Product includes a 5 year warranty



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S2406



## Description

The THERMOFLEX® CF/CR Series standard heat detectors are available in single or multiple circuits with open or closed contact configurations. THERMOFLEX® CF/CR Series detectors are available in 135°F, 165°F, 200°F, and 285°F versions.

### • THERMOFLEX® CF Series

The CF Series detectors are Fixed Temperature only. They will operate when the detector reaches the applicable temperature. Fixed Temperature detectors are non-restorable.

### • THERMOFLEX® CR Series

The CR Series detectors are combination Rate-of-Rise and Fixed Temperature. The Rate-of-Rise function allows the detector to operate when the temperature at the detector increases at a rate of 15°F per minute. The Fixed Temperature portion will cause the detector to operate when it reaches the applicable temperature. The Rate-of-Rise portion of the detector is restorable; however the Fixed Temperature portion is non-restorable.

## Technical Specifications

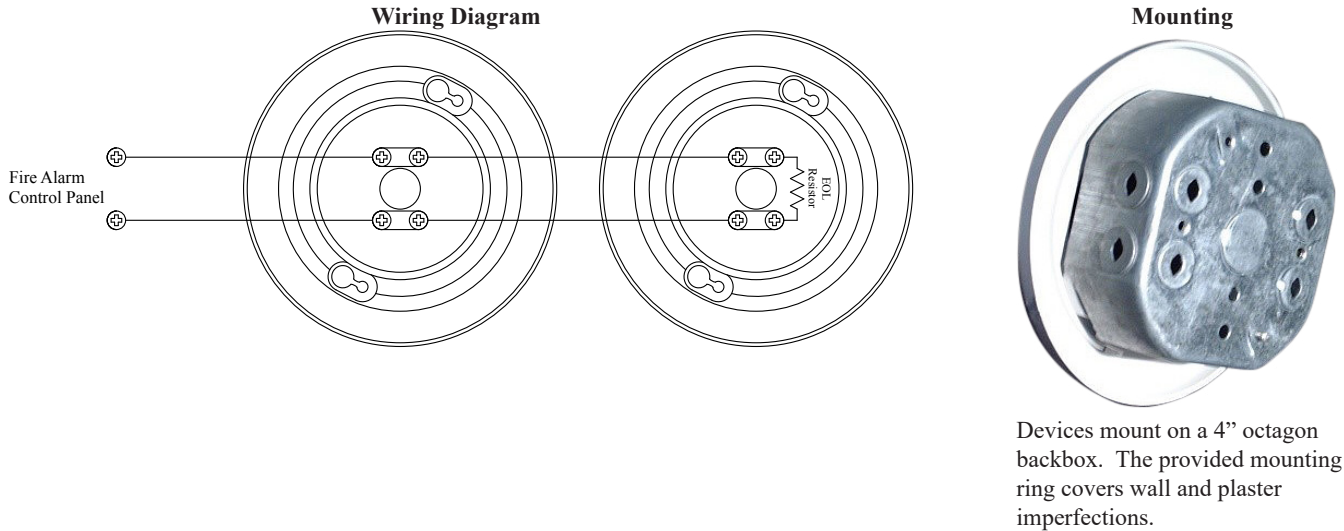
Dimensions	5.25" x 2"
Device Weight	0.41 lbs (0.19 kg)
Shipping Weight	0.6 lbs (0.3 kg)
Materials	Plastic
Contact Ratings	3 Amps at 125VAC 1 Amp at 28VDC 0.3 Amps at 125VDC
Environmental Limitations	-20°F (-30°C) - 250°F (120°C) Exclusive of Operating Temperature
Mounting	4" Standard Octagon Box

## **CAUTION**

All wiring must be installed in compliance with the local electrical code using approved cable, AWG 18 minimum. Begin electrical connections by stripping approximately 1" (2.5 cm) from the end of each wire. Insert the stripped end into the wire-retaining hole in the terminal bar, wrap clockwise around the terminal screw, and tighten. Circuit wiring must be broken at each terminal to ensure proper supervision.

## Installation

Fig 1



Devices mount on a 4" octagon backbox. The provided mounting ring covers wall and plaster imperfections.

## Testing

### Testing the "CR" series detector

- Testing the Rate-of-Rise portion, is accomplished by applying heat from a controlled heat source, such as a hair blow dryer, held 8-12 inches away and aimed at the detector. The detector will respond within 6-10 seconds. Providing that the fusible link has not released, the detector will restore as it cools.

**NOTE:** A heat gun should not be used as the heat output can easily fuse the detector.

- Portable test units designed specifically for this purpose are acceptable, and must be UL listed.
- Care must be taken to not allow the heat source to reach the device's fusing temperature. If the detector's fusing temperature is reached and the plunger is released, the detector will be in permanent alarm and must be replaced.
- Devices using open flame are prohibited from testing heat detectors. (ULC S536, ULC S537).

### Testing the "CF" series detector

- The Fixed Temperature Only detector cannot be tested by warming the unit as permanent contact closure may result, requiring replacement of the detector. Shorting across the terminals connected to the fire alarm input circuit will prove the circuit function and Zone identification.