



# CR/CF SERIES

## HEAT DETECTORS



P/N See chart

**Contact Ratings:**

3 Amps at 125 VAC  
1 Amp at 28 VDC  
0.3 Amps at 125 VDC  
0.1 Amps at 250 VDC

**Dimensions:**

Diameter 5.25 in (133 mm)  
Height 2 in (51 mm)

**Weight:** 0.41 lbs. (0.19 kg)



**Description**

Each detector is available in single circuit with normally open contact configuration. The prefix “CR” in the model number denotes rate-of-rise and fixed temperature operation. The prefix “CF” denotes fixed temperature only. The standard fixed temperature settings are 135°F and 200°F.

**Model CF-135W**

The CF-135W is a fixed temperature only detector. The fixed temperature portion consists of a springloaded plunger retained by a fusible alloy that releases when the ceiling temperature reaches 135°F (57°C). When released, the plunger strikes a normally open set of contacts and holds them closed. Spacing on an uninterrupted ceiling is 40 ft (12.2 m). The CF-135 is identified by a black dot on its heat collector fin.

**Model CF-200W**

The CF-200W is a fixed temperature only detector. The fixed temperature portion releases when the ceiling temperature reaches 200°F (93°C). Spacing is 25 ft (7.62 m). The CF-200W is identified by a black dot and a black ring on the heat collector fin.

**Model CR-135W**

The CR-135W is a combination rate-of-rise and fixed temperature detector. The fixed temperature portion releases when the ceiling temperature reaches 135°F (57°C). The spacing parameters for the rate-of-rise is 70 ft (21.3 m).

**Model CR-200W**

The CR-200W is a combination rate-of-rise and fixed temperature detector that operates in the same way as the CR-135W, except that the fixed temperature portion releases when the ceiling temperature reaches 200°F (93°C). The spacing parameters for the rate-of-rise is 70 ft (21.3 m). The CR-200W is identified by a black ring on its heat collector fin.

**Model CR-200-2-MP**

The CR-200-2-MP is a combination rate-of-rise and fixed temperature detector that operates. The fixed temperature portion releases when the ceiling temperature reaches 200°F (93°C). The spacing parameters for the rate-of-rise is 70 ft (21.3 m). The CR-200-2-MP has two normally open contacts, assembled with a moisture-proof seal plate, and has four sets of pig-tail leads (2 per each set of contacts).



## Engineering Specifications

Model CR-135 Automatic Rate-of-Rise Heat Detectors shall be installed in areas where ambient temperatures do not exceed 100°F. If ambient temperatures exceed 150°F, specify CR-200. In areas where sudden increases in ceiling temperature are normal, specify fixed temperature only units, with fusible settings of 135°F or 200°F. The rate-of-rise operation responds to temperature increases of 15°F (8.4°C) per minute.

Detectors shall be not installed in areas where environmental conditions may expose the detector to excessive dust, vapors, insects, etc.

### **⚠ 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 in (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.

## Ordering Information

Model	P/N	Description	Ship Wt. lb (kg)
CR-135W	99818	Detector, Heat, Rate-of-Rise/Fixed Temperature, 135F, White	0.6 (0.3)
CF-135W	99817	Detector, Heat, Fixed Temperature, 135F, White	0.6 (0.3)
CR-200W	99816	Detector, Heat, Rate-of-Rise/Fixed Temperature, 200F, White	0.6 (0.3)
CF-200W	99815	Detector, Heat, Fixed Temperature, 200F, White	0.6 (0.3)
CR-200-2-MP	98683	Detector, Heat, Rate of Rise / Fixed Temp, 200F, w/ Extra Contact	0.6 (0.3)

*Notes: Approvals/Listings maintained by and manufactured by Fire Detection Devices LTD.*

The seller makes no warranties, express or implied, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose, except as expressly stated in the seller's sales contract or sales acknowledgment form. Every attempt is made to keep our product information up-to-date and accurate. All specific applications cannot be covered, nor can all requirements be anticipated. All specifications are subject to change without notice.



1102 Rucpich Drive  
Millennium Park  
Crown Point, IN 46307  
TEL: (219) 663-1600 FAX: (219) 663-4562  
e-mail: [info@janusfiresystems.com](mailto:info@janusfiresystems.com)  
[www.janusfiresystems.com](http://www.janusfiresystems.com)