POTTER
The Symbol of Protection

HEAT DETECTOR SERIES



Model CR135W

UL and ULC Listed

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

Dimensions: Diameter - 5.25" (13.4cm)
Height - 2" (4.85cm)

Weight: 0.41 lbs. (330 grams)

Description

The Thermoflex® product group includes standard detectors as well as detectors for hazardous locations and moisture-proof applications. Each detector is available in single or multiple circuits with open and/or closed contact configurations. 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. Units set at 165°F and 285°F are also available.

Model CF 135 W

The CF135W is a fixed temperature only detector. The fixed temperature portion consists of a spring-loaded 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' (12.5m). The CF135 is identified by a black dot on its heat collector fin.

Model CR 200 W

The CR200W is a combination rate-of-rise and fixed temperature detector that operates in the same way as the CR135W, 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' (22 m). The CR200W is identified by a black ring on its heat collector fin.

Model CF 200 W

The CF200W is a fixed temperature only detector. The fixed temperature portion releases when the ceiling temperature reaches 200°F (93°C). Spacing is 25' (7.62m). The CF200W is identified by a black dot and a black ring on the heat collector fin.

Normally Closed Contacts

Any detector in this series is available in normally open or normally closed contacts. The model number does not reflect the normally open configuration, however, the suffix "C" denotes normally closed. For example, CR135CW describes a rate-of-rise/fixed temperature detector, fusing at 135°F, with one set of normally closed contacts.

Moisture Proof Series

All of the above models are available in a moisture-proof version. Specify a "MP" suffix for the moisture-proof devices.

⚠ 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" (2.5cm) 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.

Engineering Specifications

Thermoflex® Model CR Series Automatic Rate-of-Rise Heat Detectors shall be installed in areas where ambient temperatures do not exceed 100°F. In areas where ambient temperture is above 100°F but will not exceed 150°F, specify CR165 units. If ambient temperatures exceed 150°F, specify CR200 or CF285. In areas where sudden increases in ceiling temperature are normal, specify fixed temperature only units, with fusable settings of 135°F, 165°F, 200°F, or 285°F. The rate-of-rise operation responds to temperature increases of 15°F (8.4°C) per minute. Thermoflex® detectors shall be installed in areas where environmental conditions including dust, vapors, insects, etc. would cause an ionization or photoelectric type detector to initiate a false alarm.

Model	Description	Stock Number
CR-135W	Fixed/ROR, indoor	1000140
CR-200W	Fixed/ROR, indoor	1000141
CF-135W	Fixed, indoor	1000142
CF-200W	Fixed, indoor	1000143
CR-135MP	Fixed/ROR, outdoor	1000137
CR-200MP	Fixed/ROR, outdoor	1000139
CF-135MP	Fixed, outdoor	1000136
CF-200MP	Fixed, outdoor	1000138
Call for other available models		