



UL and ULC Listed	Detector
Detector Housing:	ULC Listed, Explosion Proof, Water and Dust Tight
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 - 5.5" (14 cm) Height - 3.6" (9.3 cm)
Weight:	1.7 pounds (800 grams)
Model Number	Stock Number
CF-135EWT	1000134
CF-200EWT	1000135
CR-135EWT	1000148
CR-200EWT	1000149
Call for other available models	

A cast aluminum housing encloses a standard Thermoflex® heat detector making it suitable for use in hazardous locations including those requiring detectors that are explosion proof, water and dust tight. The suffix EWT denotes a unit that is suitable for areas described as:

- Class I, Groups C and D
- Class II, Groups E, F, and G
- Class III
- Applications requiring Special Purpose Enclosure Types III, IV, and V, Weatherproof, Water-tight, and Dust-tight

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 temperatures only. The standard fixed temperature settings are 135°F and 200°F. Units set at 165°F and 285°F are also available.

Model CR 135 EWT

The CR-135EWT is a combination rate-of-rise and fixed temperature detector in a cast aluminum housing suitable for use in the hazardous locations described above. A set of normally open contacts will close when the ceiling temperature increases at a minimum rate of 15°F (8.4°C) per minute. Closing the contact initiates the direct alarm sequence. Independent of the rate-of-rise operation, 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 the set of contacts and holds them closed. Spacing between detectors on an uninterrupted ceiling is 50 ft. (15.2m) for the rate-of-rise and 30 ft. (9.1m) for the fixed temperature portion. Distance from any wall or partition is 25 ft. (7.5m) and 15 ft. (4.5m) respectively.

Model CF 135 EWT

The Model CF-135EWT 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 ft. (21.3m). The CF-135MP is identified by a black dot on the heat collector fin.

Model CR 200 EWT

The Model CR-200EWT is a combination rate-of-rise and fixed temperature detector that operates in the same way as the CR-135EWT, with the exception that the fixed temperature portion releases when the ceiling temperature reaches 200°F (93°C). Spacing on an uninterrupted ceiling is 70 ft. (21.3). The CR-200MP is identified by a white dot on the heat collector fin.

Model CF 200 EWT

The Model CF-200EWT is a fixed temperature only detector. The fixed temperature portion releases when the ceiling temperature reaches 200°F (93°C). Spacing is 25 ft. (7.6m). The CF-200EWT is identified by a black dot and a white dot on the heat collector fin.

Engineering Specifications

Thermoflex® detectors shall be installed in areas where corrosive elements exist or washing of walls and ceiling surfaces is commonplace. The fixed temperature portion and the rate-of-rise operation shall be determined by the ambient temperature. Thermoflex® A-type 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.

The EWT enclosure has two openings tapped for ½" rigid conduit. The unit is fastened to the ceiling surface by means of two mounting holes that are 3/16" (5mm) in diameter. Pigtail leads are provided for connection to the fire alarm initiating circuit and/or any auxiliary device. After connections are made, the unit is re-assembled using the six machine-thread bolts provided. The black wires are solder-connected internally to one side of the contacts and the white wires are connected to the other side in the same way.