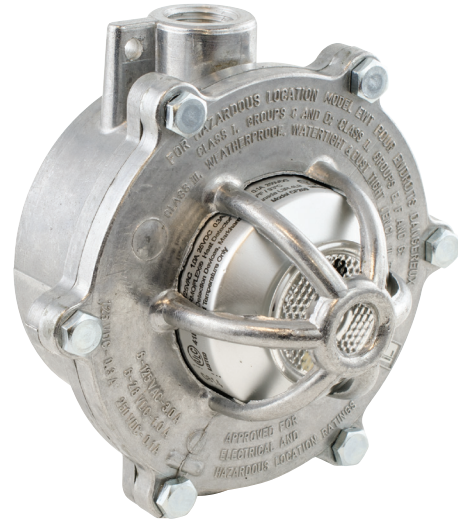


Features

- Low profile design
- Cast aluminium housing
- Single circuit with normally open contact configuration
- Explosion proof, weather proof, water tight, and dust tight
- Product includes 5 year warranty



Description

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 (NEMA 4)

The EWT series meets the requirements of Division 1 “A location where an explosive mixture of gas, vapor, dust, fibers or flyings, and air may exist under normal operating conditions.” The EWT cast aluminum enclosure is acceptable for locations requiring Weatherproof, Water-tight and Dust-tight applications. Class II devices require Dust tight enclosures. The EWT enclosure meets NEMA 4 and CSA IV requirements.

Technical Specifications

Dimensions	5.5" (14 cm) x 3.6" (9.3 cm)
Device Weight	1.7 lbs (800 grams)
Detector Housing	ULC Listed, Explosion Proof, Water and Dust Tight
Contact Ratings	3 Amps at 125VAC 1 Amp at 28VDC 0.3 Amps at 125VDC 0.1 Amps at 250 VDC
Environmental Limitations	-40°F (-40°C) - 250°F (120°C) Exclusive of Operating Temperature
Mounting	Enclosure with 1/2" hub included

Model CR 135 EWT

The THERMOFLEX® CR-135EWT is a combination rate-of-rise and fixed temperature detector in a case 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 THERMOFLEX® 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 30 ft. (9m). The CF-135MP is identified by a black dot on the heat collector fin.

Model CR 200 EWT

The THERMOFLEX® 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 50 ft. (15m). The CR-200MP is identified by a white dot on the heat collector fin.

Model CF 200 EWT

The Model THERMOFLEX® CF-200EWT is a fixed temperature only detector. The fixed temperature portion releases when the ceiling temperature reaches 200°F (93°C). Spacing is 30 ft. (9m). 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.

Ordering Information

Model	Description	Stock Number
CF-135EWT	135°F Fixed Temperature XP Heat Detector	1000134
CF-200EWT	200°F Fixed Temperature XP Heat Detector	1000135
CR-135EWT	135°F Rate of Rise/Fixed Temperature XP Heat Detector	1000148
CR-200EWT	200°F Rate of Rise/Fixed Temperature XP Heat Detector	1000149