

Thermotech 302-ET-135 — User / Installation Manual

Description

- The 302-ET-135 is a hermetically sealed 135°F all-weather rate-anticipation heat detector.
- It is designed for fire detection and alarm systems and can be used indoors or outdoors when the application is suitable.

Principle of Operation

- The detector activates when ambient temperature reaches its preset temperature.
- Under rapid heat-rise conditions, the rate-anticipation feature can cause response one to three degrees ahead of the nominal setting.
- The detector does not respond to momentary temperature fluctuations below the selected protection level.
- When the surrounding temperature drops below the rated temperature, the detector automatically resets.

Application & Spacing

- 135°F detectors have a minimum ambient air temperature of -40°F and a maximum ceiling temperature of 100°F.
- Applicable 302 Series models have a smooth-ceiling UL rating of 50 ft × 50 ft.
- 302-ET horizontal-mount UL spacing is 40 ft × 40 ft.
- Refer to NFPA 72 and the applicable listing for spacing and installation considerations.

Maintenance & Safety

- Inspect the detector periodically as part of the fire alarm maintenance program.
- Keep the sensing tube free from conditions that could interfere with heat exposure.
- Do not expose the detector to direct sunlight or direct radiant heat sources.
- Installation and service must be performed by qualified personnel.
- Disconnect power before servicing.