DFE 135 / DFE 190 FIXED TEMPERATURE HEAT DETECTORS

STANDARD FEATURES

- Choice of fixed temperature - 135°F or 190°F
- UL Listed ceiling spacing of 50' by 50' (2,500 square feet)
- Self-Restoring
- Heat detection element protected by a built-in guard
- Contact Rating of 100 mA
- Highly Dependable
- Multiple base options available

ENGINEERING SPECIFICATIONS

Automatic heat detectors shall be fixed temperature rated at 135°F for areas where ambient temperatures do not exceed 120°F and 190°F where ambient temperatures exceed 120°F but not 160°F. The fixed temperature element shall consist of a bi-metallic disc and actuator shaft. Electrical contacts shall be normally open, rated at 100mA @ 60VDC.
Heat detectors shall be installed in accordance with National Fire Protection Association Standard 72, the spacing assigned by Underwriters Laboratories, and in accordance with the rules and regulations set forth by the local authorities having jurisdiction. Automatic heat detectors shall be Underwriters Laboratories listed. Heat detectors are not recognized as proper detection for life safety protection and should be utilized only for the protection of property.

APPLICATION

The DFE 135 / DFE 190 fixed temperature heat detectors are suited for installation where high heat output fires are expected or in areas where ambient conditions would not allow use of other detection methods.
Heat detectors are used for property protection. ***Do not rely on heat detectors for life safety protection.*** Where life safety is involved, smoke detectors must also be used.
Heat detectors should be electronically supervised by a UL listed alarm panel.

OPERATION

The DFE 135 / DFE 190 fixed temperature heat detectors are suited to alarm in the presence of slowly rising temperatures. The construction of this model incorporates an oversized heat collector protected from damage by the built-in, durable plastic guard. The DFE 135 / DFE 190 fixed temperature heat detectors use the proven snap-disc principle of operation. This bi-metal disc deflects when the temperature reaches a predetermined value. The disc deflection then causes a push-rod to close the internal contact resulting in an alarm condition. The bi-metal disc returns to its normal shape when the heat subsides causing internal contacts to return to their normally open position allowing the standby condition to be restored.

SPECIFICATIONS

Response	Temperature 135° ± 7.5°F Temperature 190° ± 7.5°F
Contact Type	Normally Open Contact
Contact Rating	24VDC @ 100mA
Operating Temperature	32°F (0°C) - 120°F (49°C)
Maximum Humidity	95% RH Non-Condensing
Color & Case Material	Ivory, Polycarbonate
Compatible Bases	HSC-220L, HSC-221L, HSC-224L, NS4-100*, NS6-100*, NS4-220, NS6-220, NS4-221, NS6-221, NS4-224, NS6-224, HSC-4R, HSC-4R12

*When externally limited to 100mA

PRODUCT LISTINGS

UL LISTED S2966

California State Fire Marshal 7270-0410:0119

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Specifications subject to change without notice.

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