



DFE-60B TYPE "B" DFE-90D TYPE "D" FIXED TEMPERATURE THERMAL DETECTORS

Hochiki meets your requirements for sensitivity and reliability.

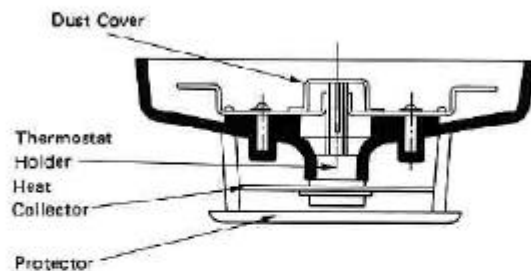
No-compromise detection quality is the outstanding feature of Hochiki Fixed-Temperature Thermal Detectors for factories, warehouses, offices and other locations requiring positive protection against fire. Two DFE Series detectors—DFE-60B and DFE-90D—having different rate-of-rise specifications for the snap-lock disc bimetal allow easy customizing of the detector to the application. The design and performance characteristics of these new-generation detectors make them ideal for use wherever there is wide fluctuation in temperature.

New slim design and many keyed-to-the-job features

1. The DFE Series features a slim design which combines visual appeal with a high standard of reliability.
2. Waterproof, the series is also equipped with a ring protector that protects the snap-lock disc bimetal from external damage.
3. Operating characteristics are a key feature of both models — as they consume no current, they are practical and economical in large enclosed installations.
4. High impedance is another important cost consideration. Together with long-life reliability, DFE Series detectors' high impedance allow many units to be installed economically on a single line.



5. The Hochiki Common Mounting Base allows the heads of the detectors to be interchanged freely, while the bayonet fitting enables quick mounting and/or dismounting of the head.
6. Hochiki is famous for considering all of your requirements — disconnection wiring function keeps your DFE-based fire detection system operational by pinpointing a non-operational detector anywhere on the line.



AUSTRALIAN DISTRIBUTORS

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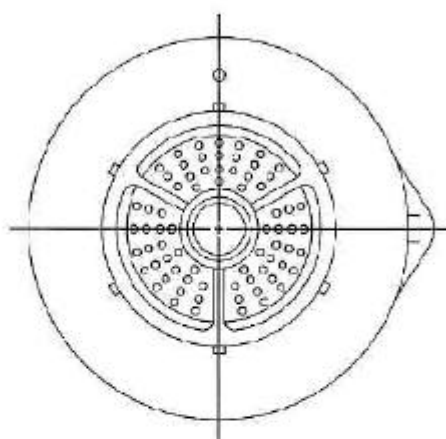
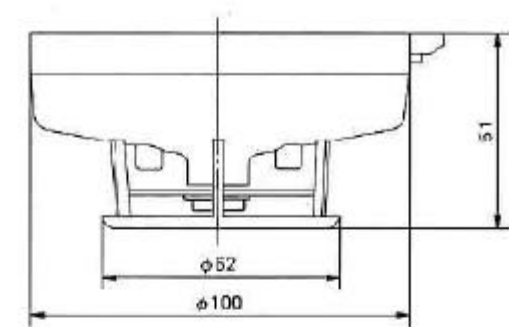
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(unit: mm)

Operation

The wide operating margin of DFE-60B/90D Fixed Temperature Thermal Detectors is sufficient for reliable detection in cases of fire characterized by either a rapid or slow increase in ambient temperature. When ambient temperature exceeds the fixed temperature range of the detector, the disc bimetal trips, bringing the P.G.S. (Platinum, Gold, Silver) contact points into contact establishing a short circuit and triggering an alarm. For the widest possible applicability to different types of installations, DFE-60B/90D detectors are designed to sense heat vertically and horizontally with equal efficiency.

Applications

These units are designed for locations subject to any temperature fluctuation, but are especially effective in such applications as usage in rooms where temperature and/or humidity is high, boiler rooms, drying rooms, kitchens, dining rooms, etc. In any application, the interchangeability of DFE detectors on the Hochiki Common Mounting Base makes for outstanding convenience.

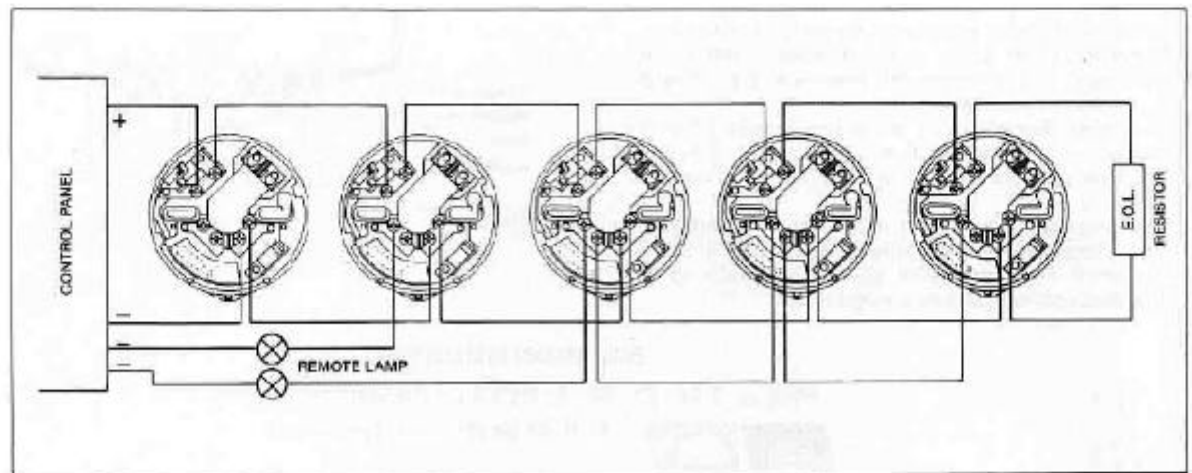
Specifications

- Line voltage: Rated voltage DC24V
- Allowable current at alarm condition: 300mA Max.
- Operating temperature: DFE 60B DFE 90D
58-88°C, 88-132°C at 2°C/min and 0.5°C/min temperature rise and air velocity of 1 m/s
- Mounting hole: 48-74 mm in pitch
- Weight: 55 g without socket
- Colour: White
- SEL Listing Number Type B AFP 660
 Type D AFP 663

Typical wiring diagram

Model YBC-R/3A (without lamp): Wiring should be made as shown. Model YBF-RL/4AH4M (with lamp): In this arrangement, any detector in the group will operate the alarm indicator lamp.

Refer to the diagram for wiring detectors with and without a remote lamp. In the case of disconnection-wiring, an end-of-line resistor must be wired to the last base in the line.



In line with a continuous programme of product development, the Manufacturer reserves the right to modify or update specifications without notice. It should be noted that the exact specification may vary depending on the configuration of the designed system. The information herein is to assist in determining whether this product is suitable for a given application. This information does not purport to cover all details or variations in the equipment described, nor does it provide for every possible contingency to be met in connection with installation, operation and maintenance. We request that customers inspect and test our products before use and satisfy themselves as to contents and suitability. NOTHING HEREIN SHALL CONSTITUTE A WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.