

DT-11

Thermal Fire Detector

ENGINEER AND ARCHITECT SPECIFICATIONS

- Self Testing with Status Indicating Multi-Color LED
- Simple Twist/Lock Assembly
- Alarm Lock-in
- Remote Function Output
- Screw-clamp Terminals
-  Listed, ULC Listed, CSFM, FM and NYMEA Approved



Introduction

The Siemens Building Technologies, Fire Safety Division thermal fire detector is of the fixed temperature type and is designed for plug-in use with the standard Fire Safety Series 11 detector base. Though the detector element is self restoring, the detector electronics lock in upon alarm, therefore it must be reset at the control panel. The detector rating is 135°F (58°C). A lamp is located on the base of the detector to indicate initiation of an alarm.

Underwriters Laboratories, Inc., recommends the thermal detector be used to protect a maximum of 2,500 square feet. Job conditions and engineering judgment, however, often dictate closer spacing to provide faster detection. See NFPA 72 for detector spacing details.

Operation

This thermal detector, which is shock and corrosion resistant, responds only to heat, so it is suitable for use in areas where normal conditions would prohibit the use of other types of detectors.

When connected to Fire Safety equipment, the detector is fully compatible with Fire Safety ionization detectors, photoelectric detectors, flame detectors and manual stations.

In addition to operating its own alarm indicating lamp, the detector can operate one remote indicating lamp or remote relay when desired.

Engineer and Architect Specifications

The thermal fire detector shall be a Fire Safety Model DT-11 and shall be of the fixed temperature type. The detector shall plug into its base and have a lamp to indicate detector status and the initiation of an alarm. The detector shall be listed by Underwriters Laboratories, Inc. The plug-in thermal detector shall insert into the standard Series 11 base and shall be compatible with Fire Safety ionization detectors, photoelectric detectors, flame detectors, and manual stations on the same circuit.

The installing contractor shall install the detectors with #18 AWG thermoplastic wire with 300 volt insulation rating, housed in conduit or limited energy cable where permitted by local codes.

Ordering Information

Model Number	Description	Part Number
DT-11	135°F Fixed Temperature, Plug-in Detector	500-695430
DB-11	Low Profile Surface Mount Base	500-094151
DB-11E	4.5 inch Diameter Detector Base	500-094151E
RLC-11	Remote Red LED, Ceiling Mount	500-694625
RLW-11	Remote Red LED, Wall Mount	500-694626
RSCA-11	Remote Multi-Color LED, Ceiling Mount	500-694935
RS AW-11	Remote Multi-Color LED, Wall Mount	500-694101
RR-11	Relay Module	500-694922
DB-ADPT	Adapter for PE-11 to DB-3 Base	500-094187
LK-11	PE-11 Detector Locking Kit	500-695350
In Canada, Please Order:		
DT-11C	135°F Fixed Temperature, Plug-in Detector	500-095983
DB-11C	Low Profile Surface Mount Base	500-095687

Technical Specifications

Environmental

Temperature: 32°F (0°C) to 100°F (38°C)
 Humidity: Up to 93% RH, non-condensing
 Air Pressure: No effect
 Alarm Temperature: 135°F (57°C)

Electrical

Voltage: 16-27 VDC
 Ripple: 3V peak-to-peak

Supervisory Current: 110µA max
 Alarm Current: 33-50 mA