



UL, ULC Listed; FM, CSFM,
and MEA (NYC) Approved*

TrueAlarm® Analog Sensing

QuickConnect2, TrueAlarm Analog Photoelectric
Sensor for Model 4010 Fire Alarm Control Panels

Features

Model 4098-9757 QuickConnect2 sensor design provides:

- TrueAlarm® photoelectric analog sensing and IDNet™ two-wire addressable communications combined into one assembly**
- Quick and easy connection to a 4098-9788 base (required, ordered separately)
- Operation is for use with Simplex® model 4010 Addressable Fire Alarm Control Panel
- UL listed to Standard 268

QuickConnect2 sensors communicate to the 4010 Control Panel to provide the following TrueAlert analog sensing operation features:

- Smoke sensitivity that is accurately maintained at a selected level of 2.5, 3.0, or 3.7%/ft obscuration
- Sensitivity monitoring that satisfies NFPA 72 sensitivity testing requirements
- Automatic environmental compensation
- Automatic, once per minute individual sensor calibration check verifies sensor integrity
- Ability to display and print detailed sensor information in plain English language
- Tracking of excessive dirt accumulation
- Internal magnetic test feature that activates alarm

4098-9788 base provides stationary wiring terminals and quick snap-in sensor connections:

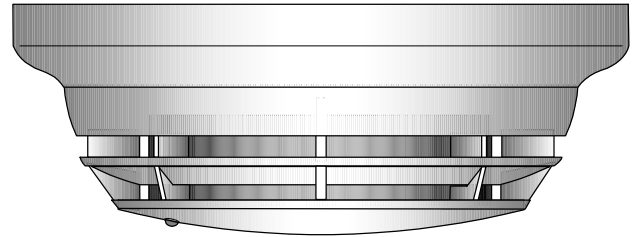
- Mounting is on a 4" square, 4" octagonal, or single gang box (supplied separately)
- 4098-9832 Adapter Plate is available for retrofit and certain mounting methods (refer to page 2)

Highly functional and architecturally styled chamber enclosure:

- Louvered design enhances smoke capture by directing flow to chamber
- Entrance areas are minimally visible when ceiling mounted
- Chamber is easily accessible for cleaning

Integral red LED (with red lens) indicates:

- Power-on when pulsing, Alarm or Trouble when steady on (a remote LED is not supported)
- Refer to data sheet S4098-0019 for sensor bases that support remote LED connections



4098-9757 QuickConnect2 TrueAlarm Sensor
Mounted in 4098-9788 Base

Description

Among its many features, the Simplex model 4010 Addressable Fire Alarm Control Panel fully supports TrueAlarm analog sensors and IDNet addressable devices. However, for applications that only require basic TrueAlarm features†, the 4010 also supports the 4098-9757 QuickConnect2 sensor to provide addressable analog sensing in a compact and cost-effective package. The 4010 panel monitors and maintains the selected sensitivity of the 4098-9757 as well as providing automatic compensation for environmental conditions such as dust, dirt, and component degradation, and full TrueAlarm data capture for each sensor.

QuickConnect2 Mounting. Wiring connections are made to a 4098-9788 base which provides a secure and quick connection for the 4098-9757 sensor. All sensor and communications electronics are contained in the 4098-9757 sensor assembly.

Sensor Alarm and Trouble LED Indication. The 4010 control panel also determines when individual sensors need cleaning. Dirty sensors, or other sensor troubles, will automatically be annunciated at the control panel and that sensor's LED will light steadily. In an alarm condition, the alarmed sensor's LED will light steadily. (LED operation is controlled by the panel. During system alarm, a sensor LED that was lit to indicate trouble may return to pulsing to conserve communications power, as long as it is not in alarm.)

* This product has been approved by the California State Fire Marshal (CSFM) pursuant to Section 13144.1 of the California Health and Safety Code. See CSFM Listing 7272-0026:243 for allowable values and/or conditions concerning material presented in this document. It is subject to re-examination, revision, and possible cancellation. Accepted for use – City of New York Department of Buildings – MEA35-93E. Additional listings may be applicable; contact your local Simplex product supplier for the latest status.

** TrueAlarm analog sensors and bases, and IDNet communications are protected by one or more of the following U.S. Patents: 5,155,468; 5,173,683; 5,543,777; 5,400,014; 5,552,765; 5,552,763; 4,796,025; DES. 377,460.

† Contact your local Simplex product supplier for information on additional TrueAlarm products.

Sensor Locations

Sensor locations should be determined only after careful consideration of the physical layout and contents of the area to be protected. Refer to NFPA 72, the *National Fire Alarm Code*. On smooth ceilings, spacing of 30 ft (9.1 m) may be used as a guide.

For detailed installation information, refer to *4098 Detectors, Sensors, and Bases Application Manual*, Simplex part number 574-709.

QuickConnect2 Sensor Product Selection

Sensor and Base

Model	Description	Compatibility
4098-9757	QuickConnect2 TrueAlarm Sensor	Requires 4098-9788 base (ordered separately)
4098-9788	Mounting base for 4098-9757	Required , one for each 4098-9757 sensor (ordered separately)

Adapter Plate

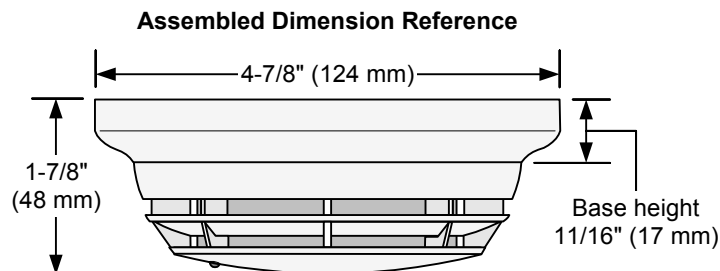
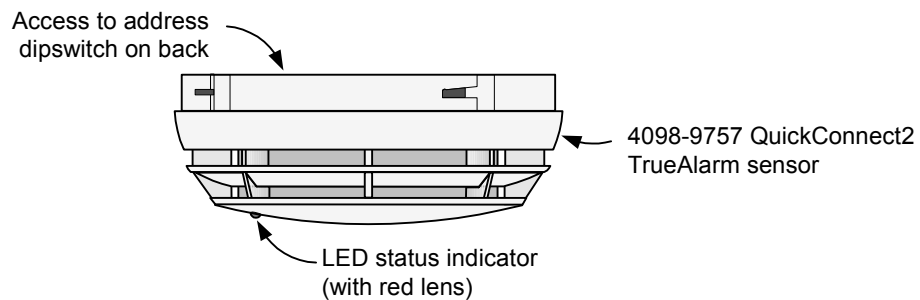
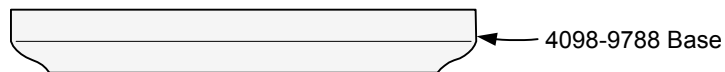
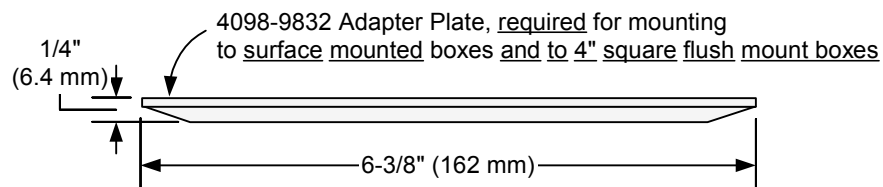
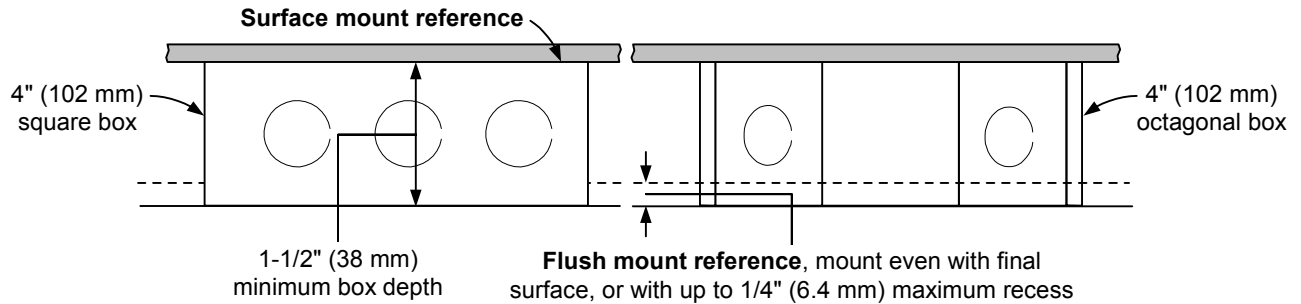
Model	Description	Compatibility
4098-9832	Adapter Plate	Required for mounting to surface mounted boxes and 4" square, flush mounted boxes May be used when retrofitting to existing bases

Specifications

Power and Communications	Provided by IDNet Communications, 24-40 VDC with data, 410 μ A typical
Address Allocation	One address per sensor
IDNet Channel Capability	Up to 250 sensors/devices per 4010 Fire Alarm Control Panel
IDNet Connections on 4098-9788 Base	Screw terminals for in/out wiring and shield continuity connection, 18 to 14 AWG (0.82 to 2.08 mm ²)
Sensitivity	Panel selectable as 2.5, 3.0, or 3.7%/ft obscuration
Air Velocity Range	0-2,000 ft/min (0-610 m/min)
UL Listed Temperature Range	32° to 100° F (0° to 38° C)
Operating Temperature Range	32° to 122° F (0° to 50° C)
Humidity Range	10% to 95% RH from 32° to 122° F (0° to 50° C), non-condensing
Color	Frost White
Dimensions	Refer to mounting illustrations on page 3

Electrical Box Requirements:

4" octagonal or 4" square, 1-1/2" deep;
single gang, 2" deep



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