

Features

UL Listed to standard 268 (URRQ)

For use with the Simplex 4098-9714 TrueAlarm photoelectric sensor and compatible base:

- For **ceiling mounted** sensor applications only
- Combines accurate, individually addressable analog smoke sensing with physical protection
- TrueAlarm analog sensing provides compensation for air flow restriction by providing maintained high sensitivity
- Sensitivity is selectable from 0.5 to 1.5%/ft at the fire alarm control panel
- Panel automatically compensates for sensitivity shifts caused by contamination and automatically reports dirty devices
- Mounting requires flush mounted electrical box

Tamper resistant design:

- Heavy duty steel construction
- Tamper resistant grill mounting screws
- Low profile design

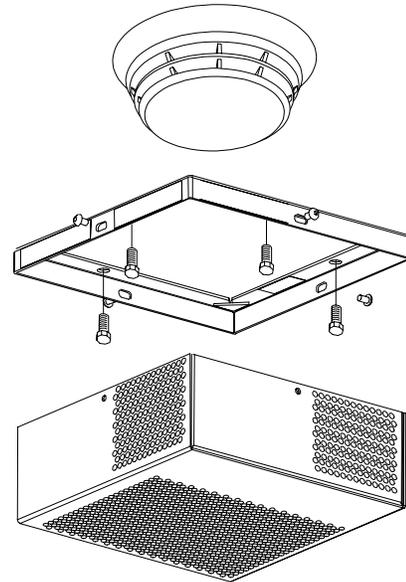
Description

The 4098-9838 Sensor Guard combines the sensitivity and maintained accuracy of the Simplex TrueAlarm 4098-9714 photoelectric sensor with a rugged, tamper resistant enclosure. Typical applications are: Correctional/Detention facilities, Mental Hospitals, Industrial areas, Educational facilities, Dormitories, and many other locations where the smoke sensor may be intentionally or accidentally subjected to abuse.

With this combination, the sensor can be located directly in the ceiling of a detention cell or similar area and can provide accurate and quick sensing of smoke conditions. Additionally, after removing the tamper resistant hardware, the sensor is readily accessible for cleaning when the TrueAlarm system automatically identifies the need for maintenance.

(Refer to Simplex data sheet S4098-0019 for TrueAlarm Sensor and base information. Refer to data sheet S4098-0025 for information on the isolator base.)

* Simplex TrueAlarm analog sensors and their 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.

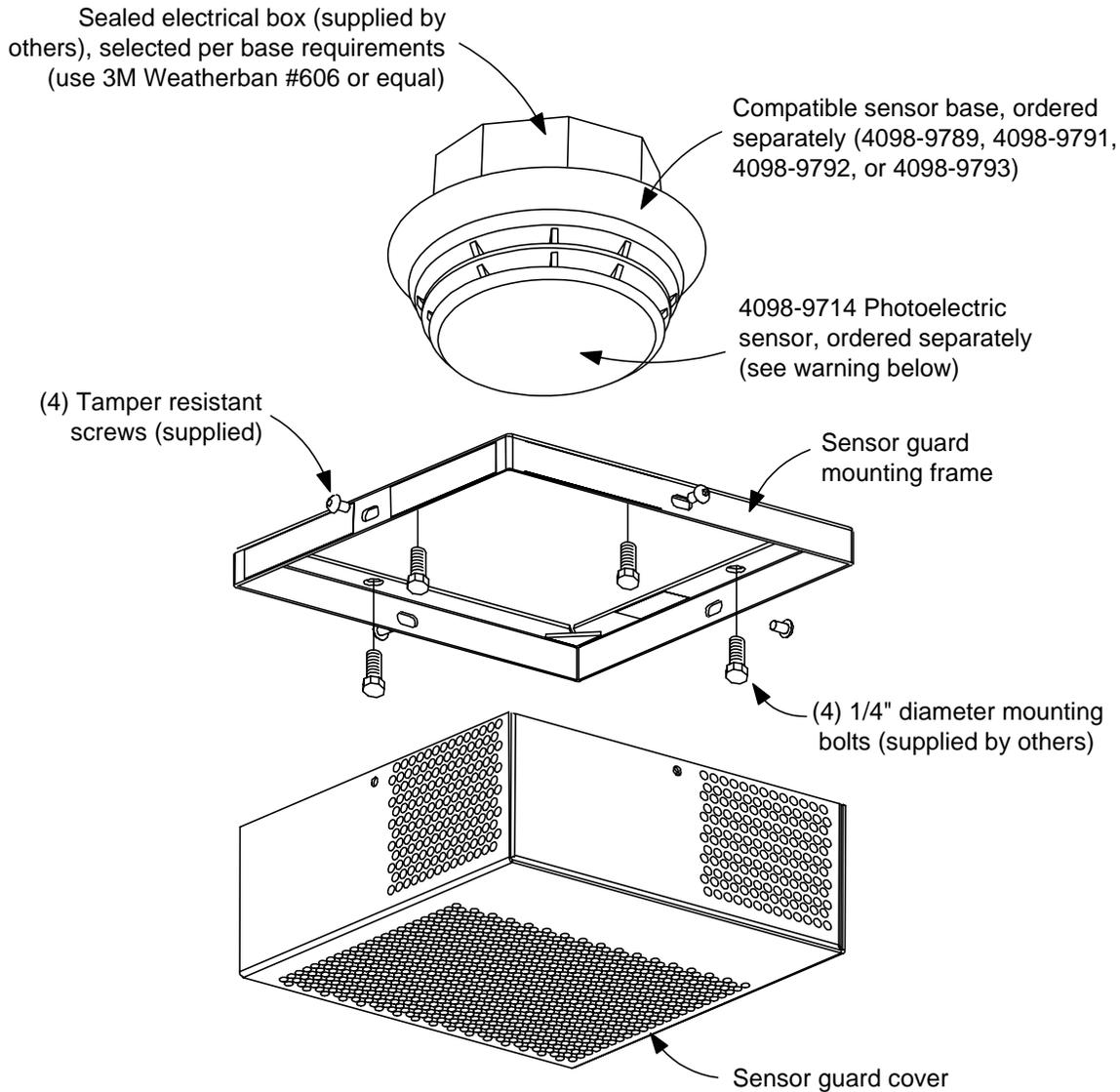


4098-9838 TrueAlarm Sensor Guard Mounting Reference (ceiling mount only, sensor and base are ordered separately)

Specifications

Mounting Frame Dimensions	8 5/8" (219 mm) Square, 3/4" x 3/4" (19 mm) angle construction, 14 gauge
Guard Dimensions	8 3/8" Square x 3" deep (213 mm x 76 mm)
Grill Material	16 Gauge steel (0.060" thick, 1.5 mm)
Perforation Pattern	3/16" (4.8 mm) diameter holes staggered on 1/4" (6.4 mm) centers
Color/Finish	Tan, baked enamel
Mounting Frame Hardware	1/4" Bolts recommended, not supplied
Grill Mounting Screws	4, Tamper resistant, recessed hex head, supplied with guard
Screw Removal Tool	Simplex 4098-9823 Secure Hex Key, ordered separately
Sensor Compatibility	Simplex 4098-9714 TrueAlarm photoelectric sensor, ordered separately
Simplex TrueAlarm Base Compatibility (base ordered separately)	<ul style="list-style-type: none"> • 4098-9792, Standard • 4098-9791, Relay control base • 4098-9789, Base with LED output • 4098-9793, IDNet™ Isolator Base

Mounting Information – IMPORTANT – See Warning and Installation Notes Below



Installation Notes

Please Note

! WARNING !

The 4098-9838 Sensor guard is for **use only with a Simplex 4098-9714 photoelectric sensor with a restricted sensitivity range of 0.5 to 1.5% per foot obscuration**. This will ensure that the sensor will activate within the UL listed obscuration range when mounted in the sensor guard.

Maintenance Issue. The presence of debris on the sensor guard grill will significantly restrict airflow into the sensor. It is recommended that increased visual maintenance be performed to ensure proper operation.

1. 4098-9838 sensor guards are for **ceiling mount** applications only.
2. Electrical box is to be **flush mounted** or recessed **no more than 1/4"** (6.4 mm).
3. Installation requires solid anchoring, 1/4" bolts are recommended.
4. For further information, refer to Simplex installation instructions 574-350.