



LIFE SAFETY & INCIDENT MANAGEMENT

Smoke Detector Guard

SIGA-DG



SIGA-DG
(Shown with optional mounting flange)



7300-1657:
0127

Overview

The SIGA-DG Smoke Detector Guard protects Signature Series smoke detectors from damage and tampering without affecting airflow to the detector head. The sophisticated louver configuration on the detector guard allows Signature smoke detectors to be installed at their listed spacing and has no effect on the detector's selected operating sensitivity. The guard is constructed of rugged 16-gauge steel and is finished with durable white baked powder coat enamel.

Standard Features

- **Agency listed with Signature Series smoke detectors**
Tested and listed by Underwriters' Laboratories Inc.
- **Compatible with Signature Series 4D and PS smoke detectors**
Advanced design does not affect detector sensitivity; does not reduce the listed detector spacing.
- **Rugged, tamper-proof design**
16-gauge steel louvered construction provides superior physical protection. Special fasteners guard against unauthorized access to the detector.
- **Easy mounting**
Simple design ensures very fast, very secure installation, yet allows easy removal for detector cleaning and inspection.
- **Flush or surface mount**
SIGA-DGGSB Surface Mount Accessory allows installation over surface mounted conduit and electric boxes.

Application

Detector guards should be used wherever flying objects may accidentally damage the detector, or wherever they may be intentionally damaged or used to conceal contraband. Typical applications include correctional or detention facilities, mental hospitals, industrial or warehousing spaces, sports facilities and gymnasiums.

NFPA 72 Section 5-1.3.1 states *"Where subject to mechanical damage, an initiating device shall be protected. A mechanical guard used to protect a smoke or heat detector shall be listed for use with the detector being used"*.

The SIGA-DG Detector Guard is designed for use only with SIGA-IPHS 4D and SIGA-PS smoke detectors. The SIGA-DG fully complies with NFPA 72 when used with these detectors.



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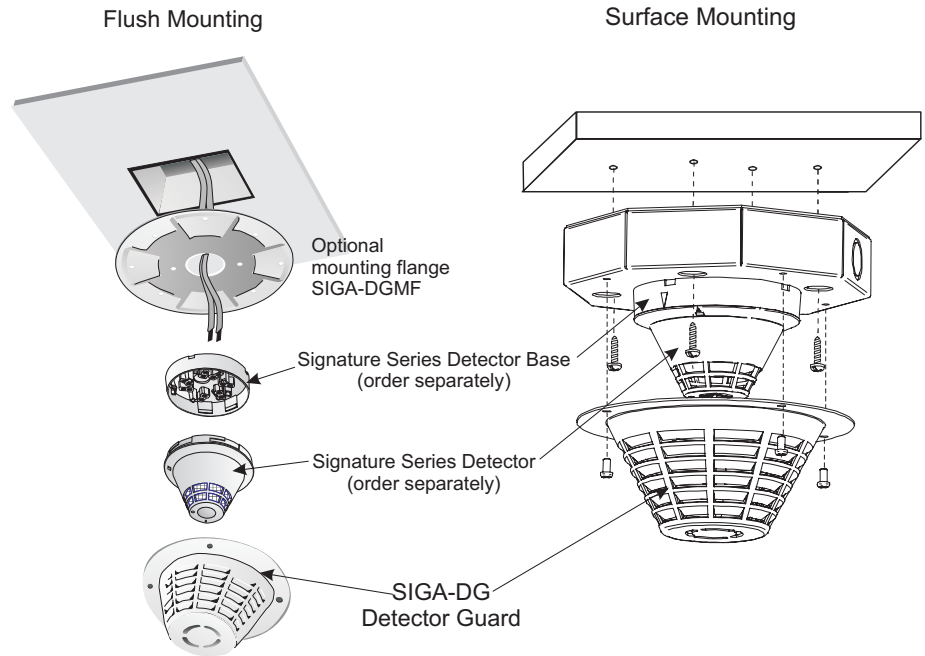
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Installation and Mounting

The SIGA-DG may be mounted one of three ways:

1. Directly to the ceiling, enclosing a detector installed to a flush-mounted electrical box.
2. To the SIGA-DGSB Surface Mount Adapter, which encloses a surface-mount electrical box.
3. To the optional mounting flange. This accessory is useful where the detector guard is removed periodically for inspection.



Specifications

| | SIGA-DG Detector Guard | SIGA-DGSB Detector Guard Surface Adapter |
|----------------------|---|---|
| Construction | 16 gauge steel | |
| Dimensions | 6.5 inch (165mm) diameter x 3.25 inch (83mm) high | 8.9 inch (225mm) octagonal x 2.25 inch (57mm) high |
| Finish | White; baked powder coat enamel | |
| Mounting | Mounts over flush 1-gang, octagon, and four-inch square North American electric boxes | Encloses surface mounted octagon or one-gang electric box |
| Compatible Detectors | Agency listed with the following Signature Series detectors at a maximum air velocity of 500 ft./min. Does not affect detector operating sensitivity, listed area of coverage, or spacing requirements: SIGA-IPHS 4D Multisensor; SIGA-PS Photoelectric | |
| Agency Listings | UL, ULC | - |

EDWARDS recommends that fire alarm systems and devices always be installed in accordance with the latest recognized edition of national and local fire alarm codes.

Ordering Information

| Catalog Number | Description | Ship Wt., lb. (kg) |
|-----------------------|--|---------------------------|
| SIGA-DG | Smoke Detector Guard | 0.8 (0.36) |
| SIGA-DGSB | Detector Guard Surface Mount Accessory | 2 (0.9) |
| SIGA-DGMF | Mounting Flange (optional) | 2. (0.9) |